



## NOTICE AND CALL OF A RESCHEDULED MEETING

Notice is hereby given that I, William Cooper, Chair of the Engineering and Operations Committee, have called a RESCHEDULED MEETING of the Agency's Engineering and Operations Committee.

Said RESCHEDULED MEETING of the Committee to be held on:

**THURSDAY, DECEMBER 8, 2022 AT 5:30 P.M.**

Santa Clarita Valley Water Agency  
held at  
26521 Summit Circle  
Santa Clarita, California 91350  
Engineering Services Section  
Boardroom

Enclosed with and as part of this Notice and Call is an Agenda for the meeting.

Signed: William Cooper  
William Cooper, Chair

Date: 11/30/2022

Posted on December 1, 2022

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**SCV**  
**WATER**

# **RESCHEDULED ENGINEERING AND OPERATIONS COMMITTEE MEETING**

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**Thursday, December 8, 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: 160 616 9017

**Virtually**

Please join the meeting from your computer, tablet or smartphone:  
<https://scvwa.zoomgov.com/j/1606169017>

**Have a Public Comment?**

Members of the public unable to attend this meeting may submit comments either in writing to [lquintero@scvwa.org](mailto:lquintero@scvwa.org) or by mail to Leticia Quintero, 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.)

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This meeting will be recorded and the audio recording for all Committee meetings will be posted to [yourscvwater.com](http://yourscvwater.com) within 3 business days from the date of the Committee meeting.

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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:** November 30, 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 rescheduled **Engineering and Operations Committee** meeting is scheduled on **Thursday, December 8, 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: 160 616 9017 or Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1606169017>**. 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.

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 Committee meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

Members of the public unable to attend this meeting may submit comments either in writing to [lquintero@scvwa.org](mailto:lquintero@scvwa.org) or by mail to Leticia Quintero, 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.

## MEETING AGENDA

<u>ITEM</u>	<u>PAGE</u>
1. <b><u>PLEDGE OF ALLEGIANCE</u></b>	
2. <b><u>PUBLIC COMMENTS</u></b> – 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 Adopting a Resolution Authorizing the General Manager to Apply for Grant Funding Under the 2022 Urban Community Drought Relief Program and Execute a Grant Agreement with the Department of Water Resources for the Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project and S Wells PFAS and Disinfection Facilities	1
4. * Recommend Approval to Authorize the General Manager to Execute a Contract with TriPointe Homes IE-SD, Inc. for SCV Water's Fair Share Cost to Construct the Skyline Ranch Deane Pump Station, Including Construction Quality Assurance and Control Testing, Construction Inspections, and Engineering Services During Construction	5
5. * Recommend Approval of a Resolution Authorizing a Purchase Order to Lee & Ro, Inc. for Planning Services for the Catala Pump Station and Pipelines Project	19
6. * Recommend Approval of a Resolution Authorizing a Purchase Order to Hazen and Sawyer for Planning Services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Project	31
7. * Monthly Operations and Production Report	43
8. * Capital Improvement Projects Construction Status Report	145
9. * Committee Planning Calendar	147
10. General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
11. * General Report on Engineering Services Section Activities	151
12. 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 Leticia Quintero, 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 1, 2022.

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## COMMITTEE MEMORANDUM

**DATE:** November 29, 2022

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Adopting a Resolution Authorizing the General Manager to Apply for Grant Funding Under the 2022 Urban Community Drought Relief Program and Execute a Grant Agreement with the Department of Water Resources for the Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project and S Wells PFAS and Disinfection Facilities

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### SUMMARY

Staff is preparing an application for the California Department of Water Resources 2022 Urban Community Drought Relief Program to fund a portion of the Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project and the S Wells PFAS and Disinfection Facilities (S Wells PFAS). The application requires that the Board adopt a resolution authorizing the General Manager to apply for the grant, execute a grant agreement, and submit any required documents, invoices, and reports required to obtain grant funding.

### DISCUSSION

The Department of Water Resources issued a notification of availability of funding under the 2022 Urban Community Drought Relief Program (Grant Program). The Grant Program provides funding to address immediate drought impacts on human health and safety. The Grant Program has a minimum 25% matching funds requirement but waives cost share for grant administration for applications containing more than one project. The Agency is applying for \$5,982,109 in grant funding (25% of the total project cost).

#### Projects

The Replacement Wells, which are included in the Agency's Capital Improvement Plan, will provide partial mitigation of pumping capacity lost from wells taken out of service or downsized due to perchlorate contamination. At completion, the Replacement Wells will provide a pumping capacity of 2,000 gallons per minute each and will help ensure ongoing water supply reliability and resiliency. The grant request for this project will partially fund above-grade improvements, including well equipping and site improvements.

The S Wells PFAS Project will provide treatment and disinfection to three existing wells (S6, S7 and S8) which were taken offline due to the detection of Per- and Polyfluoroalkyl substances (PFAS) that exceeded the state's response levels. At completion, the project will restore up to 6,000 gallons per minute (9,678 acre-feet per year), reducing our dependency on costly imported water. The S Wells PFAS Project will be designed to accommodate a new groundwater well (S9) that may be constructed as a future project producing an additional 1,000 gallons per minute.

## **CEQA DETERMINATION**

Preparation of the application is exempt from environmental review under the California Environmental Quality (CEQA) pursuant to 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 preparation of an application for the CDWR 2022 Urban Community Drought Relief Grant Program exempt from CEQA as it "can be seen with certainty that there is no possibility that the activity in question" as it is only the application for grant funding, and so will have no "significant effect on the environment."

## **FINANCIAL CONSIDERATIONS**

Funding for the Replacement Wells and S Wells PFAS projects are included in the Fiscal Year 2022/2023 Capital Improvement Budget and the Facilities Capital Improvement Plan for future budget consideration. There is a minimum 25% matching fund requirement (and up to the balance of funds to complete construction of the project) required under this Grant Program.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors (1) adopt the attached resolution authorizing the General Manager to apply for funding under the 2022 Urban Community Drought Relief Program, (2) execute a grant agreement and (3) submit any required documents, invoices, and reports required to obtain grant funding.

Attachment

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**RESOLUTION NO. \_\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY  
AUTHORIZING THE GRANT APPLICATION, ACCEPTANCE AND EXECUTION  
FOR THE SCV WATER GROUNDWATER WELLS PROJECTS**

**WHEREAS**, Santa Clarita Valley Water Agency (SCV Water) proposes to implement its SCV Water Groundwater Wells Projects (Project) consisting of the S Wells PFAS Treatment and Disinfection Facilities (Phase 1) and the Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvements Project; and

**WHEREAS**, SCV Water has the legal authority and is authorized to enter into a funding agreement with the State of California; and

**WHEREAS**, SCV Water intends to apply for grant funding of \$5,982,109 for the Project from the California Department of Water Resources under the 2022 Urban Community Drought Grant Program (Grant Program); and

**WHEREAS**, the Grant Program requires SCV Water to contribute a 25% cost share and up to the balance of funds required to complete construction of the Project; and

**NOW THEREFORE, BE IT RESOLVED**, by the Board of Directors of the Santa Clarita Valley Water Agency as follows:

1. That pursuant and subject to all of the terms and provisions of Budget Act of 2021 (Stats. 2021, ch. 240, § 80) as amended (Stats. 2022, ch. 44, § 25), the Santa Clarita Valley Water Agency hereby authorizes and directs the General Manager, or his designee, to prepare and file an application for funding with the Department of Water Resources, and take such other actions necessary or appropriate to obtain grant funding.
2. If a grant award is made by the Department of Water Resources, the Agency, pending Board compliance with the California Environmental Quality Act (CEQA) and approval of the Project, will fund up to the balance of funds needed to complete construction of the Project.
3. The Santa Clarita Valley Water Agency General Manager or designee is hereby authorized and directed to execute the funding agreement with the Department of Water Resources and any amendments thereto.
4. The Santa Clarita Valley Water Agency General Manager or designee is hereby authorized and directed to submit any required documents, invoices, and reports required to obtain grant funding.

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## COMMITTEE MEMORANDUM

**DATE:** November 21, 2022

**TO:** Engineering and Operations Committee

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

**SUBJECT** Recommend Approval to Authorize the General Manager to Execute a Contract with TriPointe Homes IE-SD, Inc. for SCV Water's Fair Share Cost to Construct the Skyline Ranch Deane Pump Station, Including Construction Quality Assurance and Control Testing, Construction Inspections, and Engineering Services During Construction

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### SUMMARY

Staff recommends approval to authorize the General Manager to execute a contract with TriPointe Homes IE-SD, Inc. (TriPointe) for SCV Water's fair share cost to construct the Skyline Ranch Deane Pump Station, including construction quality assurance and control testing, construction inspections, and engineering services during construction. This project will provide booster pump improvements that will address a portion of the existing pumping capacity deficit in the Deane Pressure Zone identified in the 2013 Water Master Plan for the Santa Clarita Water Division (SCWD). The project also helps meet a SCV Water strategic goal for infrastructure reliability by building additional pumping capacity that can be used to help ensure water service during emergencies.

### DISCUSSION

The 2013 Water Master Plan (WMP) for the Santa Clarita Water Division recommends construction of new pumping facilities to address existing deficiencies in the Deane Pressure Zone that provides water to the east side of our service area. The 2013 WMP identifies an existing booster pumping deficiency of 1,707 gallons per minute (gpm) to refill fire and emergency storage in the Deane Zone. The Deane Zone will undergo further expansion as a result of the proposed Skyline Ranch Development and Sand Canyon Plaza Development creating the need for new pumping facilities to supply these developments. The Skyline Ranch Development is expected to add 1,470 gpm of new pumping demand. The Sand Canyon Plaza Development will add 520 gpm of new pumping demand for a total combined pumping deficit of 3,696 gpm in the Deane Zone (Skyline Ranch Planning Phase Hydraulic Analysis by Civiltec, April 13, 2021).

SCV Water is planning to build two new pump stations at two sites to address the existing pumping deficiencies and new demands in the Deane Zone. The new pump stations will consolidate pumping operation and provide SCV Water the ability to deactivate up to 2 existing outdated Deane Zone Pump Stations to improve reliability and operational efficiency. These new pump station projects will be constructed in conjunction with new developments that are underway to take advantage of developer contributions to the projects.

A new 1,700 gpm pump station will be constructed within the new Skyline Ranch Development to provide the pumping capacity required within the Deane Zone by the new Skyline Ranch Development and a portion of the existing Deane Zone deficiencies. The pump station will provide two 850 gpm pumps and one 850 gpm stand-by pump that are designed to adequately

refill emergency and fire storage in the Deane Zone. The second booster station will be constructed at the Sand Canyon Plaza Development as a separate project and is not part of this request.

The developer and SCV Water will each pay their fair share of the costs to construct the new Deane Zone Pump Station and associated improvements. The developer will contribute 86.5% of the total costs and SCV Water will contribute 13.5% of the total costs, based on the Skyline Ranch Deane Zone pumping demand (1,470 gpm) and the firm capacity of the pump station (1,700 gpm). Since the developer is required to furnish pumping capacity as part of the Skyline Ranch Development, the developer will lead the bidding and construction of the Deane Zone Pump Station under the terms and conditions of an agreement with SCV Water. As a condition of the agreement, cost reimbursement by SCV Water will not exceed our fair share of the costs. The developer will provide and fund the land (via grant deed), a graded pad, offsite water pipelines to the pump station site, and electrical service, solely at their cost.

The developer has conducted a public bid process for the construction of Deane Zone Pump Station at Skyline Ranch. The project was advertised from September 16, 2022 to October 13, 2022. The project was advertised for bids in the Press Enterprise on September 16, 2022 and September 23, 2022. Four (4) bids were received at a time-stamped public bid opening on October 13, 2022 at the developer’s office. A summary of the bids is presented below.

<b>Bidder</b>	<b>Bidder Location</b>	<b>Bid Price <sup>(1)</sup></b>
Caliaqua, Inc.	Anaheim, CA	\$2,797,000
<b>Pacific Hydrotech Corporation</b>	<b>Perris, CA</b>	<b>\$2,863,000</b>
Metro Builders & Engineers Group	Newport Beach, CA	\$3,261,831
Canyon Springs Enterprises	Temecula, CA	\$3,276,000

(1) Bid price includes bonds and insurance

The developer and SCV Water staff reviewed the bids for compliance with the bid and contract requirements and recommends award to Pacific Hydrotech Corporation (Pacific Hydrotech) as the lowest responsible bidder. Pacific Hydrotech is licensed as a Class A General Engineering Contractor in California and is registered with the Department of Industrial Relations. Pacific Hydrotech has constructed over five (5) pump station facilities throughout the Southern California area in the last five (5) years.

Caliaqua’s bid was disqualified by the developer for not complying with the project schedule as set forth in the Request for Bids (RFB). The RFB specified a 264 working day completion of construction. The bid submitted by Caliaqua at the public bid opening included a 365 working day completion which exceeds the required schedule by 101 working days. In order to meet the schedule, Caliaqua, indicated their bid would require additional costs to expedite certain long lead items, but these additional costs were not included with their bid.

Under the terms of the agreement between SCV Water and the developer, SCV Water may compare the bids to the design engineer’s cost estimate as a check for reasonableness. The design engineer’s (Cannon Corporation) estimate for construction was \$3,775,000. SCV Water compared the bids to the Engineer’s estimate and concluded the two (2) lowest bids were reasonable.

The total construction bid amount of \$2,863,000 by Pacific Hydrotech includes \$36,000 for bonds and insurance which will be paid for by the developer. The total cost (excluding bonds and insurance) of \$2,827,000 will be shared between the developer and SCV Water at their respective fair share amounts. SCV Water will contribute \$381,645 (13.5%) and the developer

will contribute \$2,445,355 (86.5%). SCV Water's contribution will be paid as a reimbursement to the developer as construction work is completed.

Construction inspection services will be performed by in-house SCV Water inspectors. The estimated costs for SCV Water inspections are \$282,700 or 10% of the estimated construction costs and will be cost shared with the developer. SCV Water will contribute \$38,165 (13.5%), which is within the General Manager's approval. The developer will contribute \$244,536 (86.5%). The developer contribution will be paid to SCV Water as a deposit prior to the start of construction.

Construction quality assurance and control testing is needed to verify that the materials used and the workmanship of the installation conform to the contract requirements. This service is typically provided by consultants that specialize in testing soils, concrete, steel, asphalt and masonry, including field specialty inspections and laboratory analysis. SCV Water does not have the specialized staff or equipment to perform this testing. The developer has selected LGC Valley (LGC) based on qualifications and price. LGC's not-to-exceed budget for this work is \$69,030 and will be cost shared with the developer. The developer will contribute \$59,711 (86.5%). SCV Water will contribute \$9,319 (13.5%), which is within the General Manager's approval authority. SCV Water's contribution will be paid as a reimbursement to the developer as services are performed.

SCV Water retained Cannon Corporation (Cannon) to serve as the Engineer of Record and is responsible for the preparation and sealing of the pump station construction plans. Their role extends into construction by providing technical support to address field changes that may be needed, and to serve as liaison with the construction team. Staff received a proposal from Cannon to perform engineering services during construction, which includes review of submittals, response to requests for information (RFIs), structural observations, attending various construction meetings and site visits, and preparing final as-builts based on contractor markups. Cannon's proposal is \$98,325 and will be cost shared with the developer. The developer will contribute \$85,051 and will be paid to SCV Water as a deposit prior to start of construction. SCV Water will contribute \$13,274 which is within the General Manager's approval authority.

## **CEQA CONSIDERATIONS**

The County of Los Angeles is the Lead Agency under the California Environmental Quality Act (CEQA) for the Skyline Ranch Development project. The County prepared an Environmental Impact Report (EIR) for the Skyline Ranch project pursuant to CEQA provisions. The EIR included all the water infrastructure required for the Skyline Ranch project. The Final EIR was approved by the Los Angeles County Board of Supervisors on December 7, 2010. The Notice of Determination was filed with Los Angeles County Clerk on December 9, 2010.

## **FINANCIAL CONSIDERATIONS**

SCV Water's fair share of the construction project is included in the Agency's Capital Improvement Plan Budget for FY2022/23 (\$750,000). The project's total estimated cost for construction, including construction quality assurance and control testing, construction inspections, and engineering services during construction is \$2,994,355. SCV Water's fair share costs are \$442,402. The developer's fair share costs are \$2,834,653, plus \$36,000 for bonds and insurance.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors authorize the General Manager to execute a contract with TriPointe Homes IE-SD, Inc. for SCV Water's fair share costs in the not-to-exceed amount of \$442,402 for the construction of the Deane Pump Station at Skyline Ranch, including construction quality assurance and control testing, construction inspections, and engineering services during construction.

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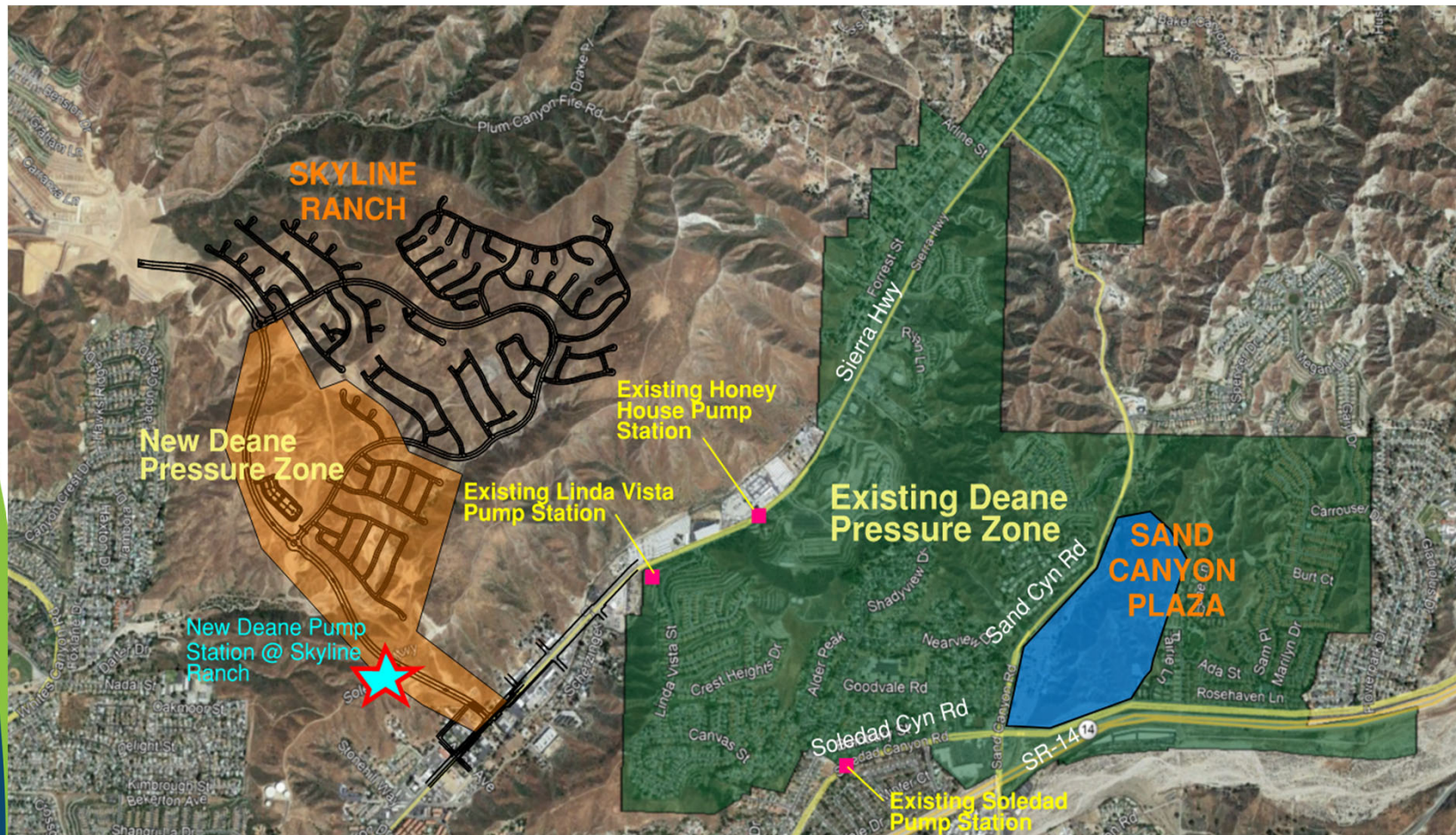


December 8, 2022

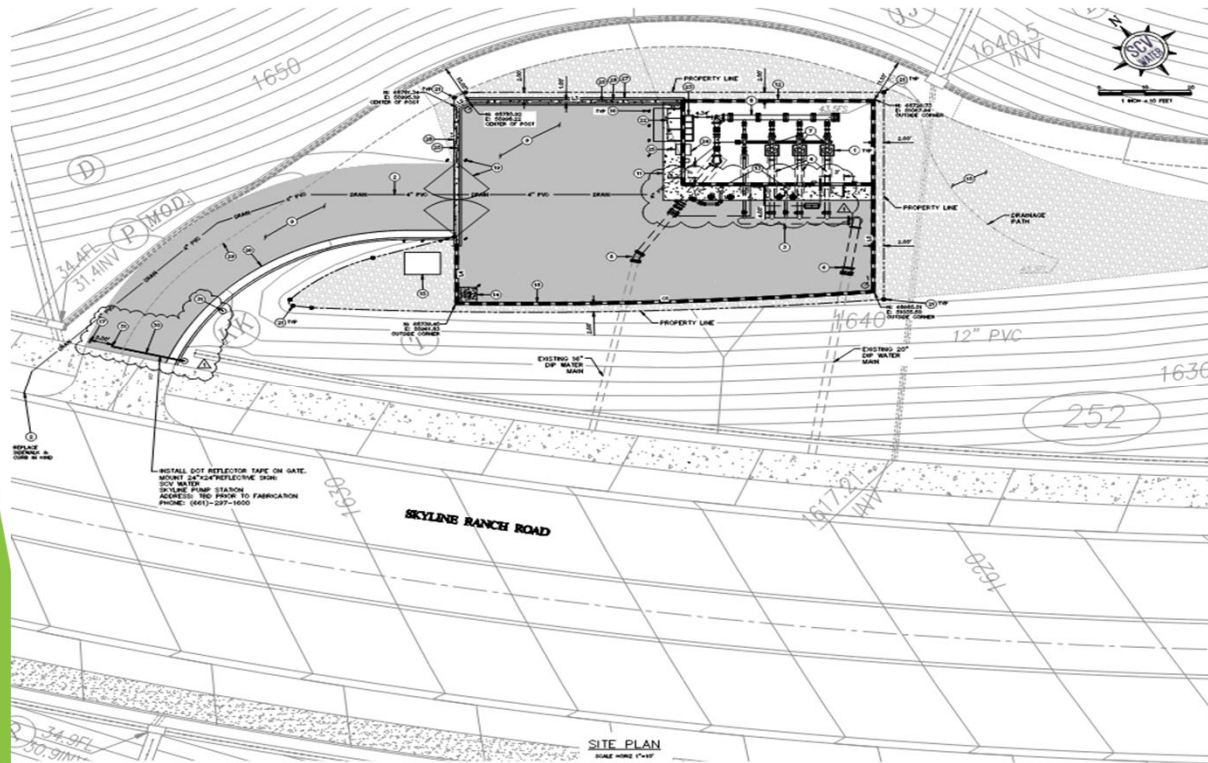
# Skylines Ranch Development SCV Water's Fair Share Costs to Construct a Pump Station at Deane Zone

Engineering and Operations  
Committee Meeting

# Deane Pressure Zone and Pump Facility Map



# Skyline Ranch Deane Pump Station Site Plan



- Existing Deane Zone Pumping Deficiency = 1,707 gpm
- New Skyline Ranch Deane Zone Pumping Demands= 1,470 gpm
- Deane Zone Pump Station Firm Capacity = 1,700 gpm



# Skyline Ranch Deane Pump Station Fair Share Cost % Allocation

Water Improvements	Developer	SCV Water
Skyline Ranch Zone Tanks	100%	0%
Skyline Ranch Zone Pump Stations (2)	100%	0%
Deane Zone Tank Expansion	41.8%	58.2%
<b>Deane Zone Pump Station</b>	<b>86.5% *</b>	<b>13.5%</b>

\* Developer's fair share cost is calculated based on the Skyline Ranch development's Deane Zone pumping demand of 1,470 gpm out of the total pumping capacity of 1,700 gpm to be provided at the new Deane Zone Pump Station

# Skyline Ranch Deane Pump Station Key Terms of Agreement with Developer

## Developer Responsibilities

- Pump station property transferred to Agency in fee.
- Graded and compacted pad, electrical service
- Payment and performance bonds to SCV Water for total cost of project
- Bidding and construction management
- Construction quality assurance and control testing and verification
- Prevailing Wage
- Change orders to follow SCV Water purchasing policy and require Agency and developer written approvals

## SCV Water Responsibilities

- Inspections (partially funded by Developer)
- DDW Permit
- Acceptance



## Skyline Ranch Deane Pump Station Contractor Bid Results (by Developer)

Rank	Bidder	Bid Amount <sup>(2)</sup>
1	Caliaqua, Inc. <sup>(1)</sup>	\$2,797,000
2	Pacific Hydrotech Corporation	\$2,863,000
3	Metro Builders & Engineers Group	\$3,261,831
4	Canyon Springs Enterprises	\$3,276,000

- (1) Caliaqua bid was disqualified for not meeting project schedule.
- (2) Bid Amount includes cost for bonds and insurance.
- (3) Engineer's Estimate: \$3,775,000
- (4) Construction costs will be shared with developer.
- (5) Developer will pay for bonds and insurance.



# Skyline Ranch Deane Pump Station Construction Related Services

Construction Related Services	Not To Exceed Amount
Construction Inspection	\$ 282,700
Construction Quality Assurance & Control Testing	\$ 69,030
Engineering Support Services	\$ 98,325

- *Costs will be shared with developer*
- *Consultant provides specialty testing services to verify quality of construction materials and workmanship*
- *Design engineer serves as liaison with construction team to ensure installation conforms to construction plans and specifications*



## Skyline Ranch Deane Pump Station Cost Sharing Breakdown

Description	Firm	Total Fee	Developer Amount (86.5%)	SCV Water Amount (13.5%)
Construction	Pacific Hydrotech	\$ 2,827,000 <sup>(1)</sup>	\$ 2,445,355	\$ 381,645
Construction Inspection	SCV Water	\$ 282,700	\$ 244,536	\$ 38,165
Construction Quality Assurance and Control Testing	LGC Valley	\$ 69,030	\$ 59,711	\$ 9,319
Engineering Services During Construction	Cannon	\$ 98,325	\$ 85,051	\$ 13,274
<b>TOTAL</b>		<b>\$ 2,994,355</b>	<b>\$ 2,834,053</b>	<b>\$ 442,402</b>

(1) Fee excludes bonds and insurance paid for by developer

(2) FY 22/23 CIP Budget for SCV Water Fair Share: \$ 750,000

(3) Construction Schedule is 12 months (264 working days): January 2023 - December 2023



# Skyline Ranch Deane Pump Station Project Construction Schedule

- Seek E&O Committee Recommendation      December 8, 2022
- Seek Board of Director's Approval      December 20, 2022
- Start of Construction      January 5, 2023
- Estimated Substantial Completion      December 29, 2023



# Skyline Ranch Deane Pump Station Staff Recommendation

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

Authorize the General Manager to execute a contract with TriPointe Homes IE-SD, Inc. for SCV Water's fair share costs in the not-to-exceed amount of \$422,402 to construct the Skyline Ranch Deane Pump Station, including construction quality assurance and control testing, construction inspections, and engineering services during construction.





## COMMITTEE MEMORANDUM

**DATE:** November 21, 2022

**TO:** Engineering and Operations Committee

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

**SUBJECT** Recommend Approval of a Resolution Authorizing a Purchase Order to Lee & Ro, Inc. for Planning Services for the Catala Pump Station and Pipelines Project

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### SUMMARY

SCV Water is planning to evaluate the Catala Pressure Zone in the potable water system to determine the capital improvements needed to improve the delivery of water into the pressure zone. Staff identified existing operational deficiencies within the Catala Pressure Zone. This project will be coordinated with the Master Plan work and will build upon those findings to identify and evaluate detailed improvements for the project. The capital improvements will help improve system reliability in the pressure zone. Staff issued a planning services Request for Proposal (RFP) for the work and received three (3) proposals. Staff is recommending approval of a resolution authorizing a purchase order to Lee & Ro, Inc. (Lee & Ro) for planning services for the Catala Pump Station and Pipelines project.

### DISCUSSION

SCV Water has approximately sixty-four (64) existing water pressure zones in the potable water distribution system. The Catala Pressure Zone is located in the north central portion of the service area and needs capital improvements to improve the delivery of water into the pressure zone. This project will be performed concurrently with the Master Plan and is scheduled to start approximately when the Master Plan's efforts related to Catala Pressure Zone area will be evaluated so that this project can build upon those findings and perform project level tasks including but not limited to researching existing utilities, performing a topographic survey, evaluating alternative pump station site layouts, evaluating pipeline alignment alternatives, performing preliminary geotechnical investigation, analyzing flood and seismic risk assessments, evaluating pumps and noise control measures, analyzing electrical loads, identifying preliminary landscaping areas, identifying required permits, and coordinating with other agencies.

On June 24, 2022, staff issued a planning services RFP to several of its on-call consultants, and on July 21, 2022, staff received proposals from three (3) consultants. The proposals were reviewed and evaluated by staff from the Engineering and Operations & Maintenance Departments. The evaluation team reviewed the proposals based on a qualifications-based selection process applying the following criteria: responsiveness (conformance and compliance) to the RFP requirements, project understanding, responsibilities (resources/capability/qualifications/availability) to perform the work, scope of work, and

schedule. The evaluation team is recommending Lee & Ro to provide planning services for the Catala Pump Station and Pipelines project.

The general scope of work will include but is not limited to coordinating with the Master Plan work, identifying capital improvements that are needed to improve the existing water system delivery into the Catala Zone, performing site specific surveys, evaluating alternative solutions, preparing estimated costs, and recommending the necessary project improvements. After the capital improvements are defined, then an environmental evaluation will be performed under the California Environmental Quality Act (CEQA).

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."

### **CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) CONSIDERATIONS**

The approval of a purchase order to Lee & Ro for Planning Services for the Catala Pump Station and Pipelines project authorizes the preparation of feasibility and planning studies and does not constitute an approval for the construction of the Catala Pump Station or associated pipelines and so is exempt from further review under the California Environmental Quality Act (CEQA) Guidelines section 15262.

### **FINANCIAL CONSIDERATIONS**

The project is included in the Agency's FY 2022/23 Budget for the Catala Pump Station and Pipelines project. The planning services would be performed on a time and expense basis with a not to exceed budget of \$330,000.

### **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors approve the attached resolution authorizing a purchase order to Lee & Ro, Inc. for an amount not to exceed of \$330,000 for planning services for the Catala Pump Station and Pipelines project.

Attachment

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**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 CATALA PUMP STATION AND PIPELINES PROJECT**

**WHEREAS**, Santa Clarita Valley Water Agency (SCV Water) wishes to conduct feasibility and planning studies with regard to a potential future Catala Pump Station and Pipelines, 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. (Lee & Ro) for Planning Services for the Catala Pump Station and Pipelines project authorizes the preparation of feasibility and planning studies, and does not constitute an approval for the construction of the Catala Pump Station or associated pipelines 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 June 24, 2022, the Agency issued the Request for Proposal (RFP) to several of its on-call consultants on PlanetBids for planning services for the Catala Pump Station and Pipelines project; and

**WHEREAS**, on July 21, 2022, proposals from three (3) consultants were electronically received on the Agency’s website page on PlanetBids pursuant to the Agency’s RFP for the Catala Pump Station and Pipelines project; 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 award a purchase order to Lee & Ro for planning services in the amount not to exceed \$330,000.

**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 and the Notice of Exemption 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 Catala Pump Station and Pipelines project for an amount not to exceed \$330,000.

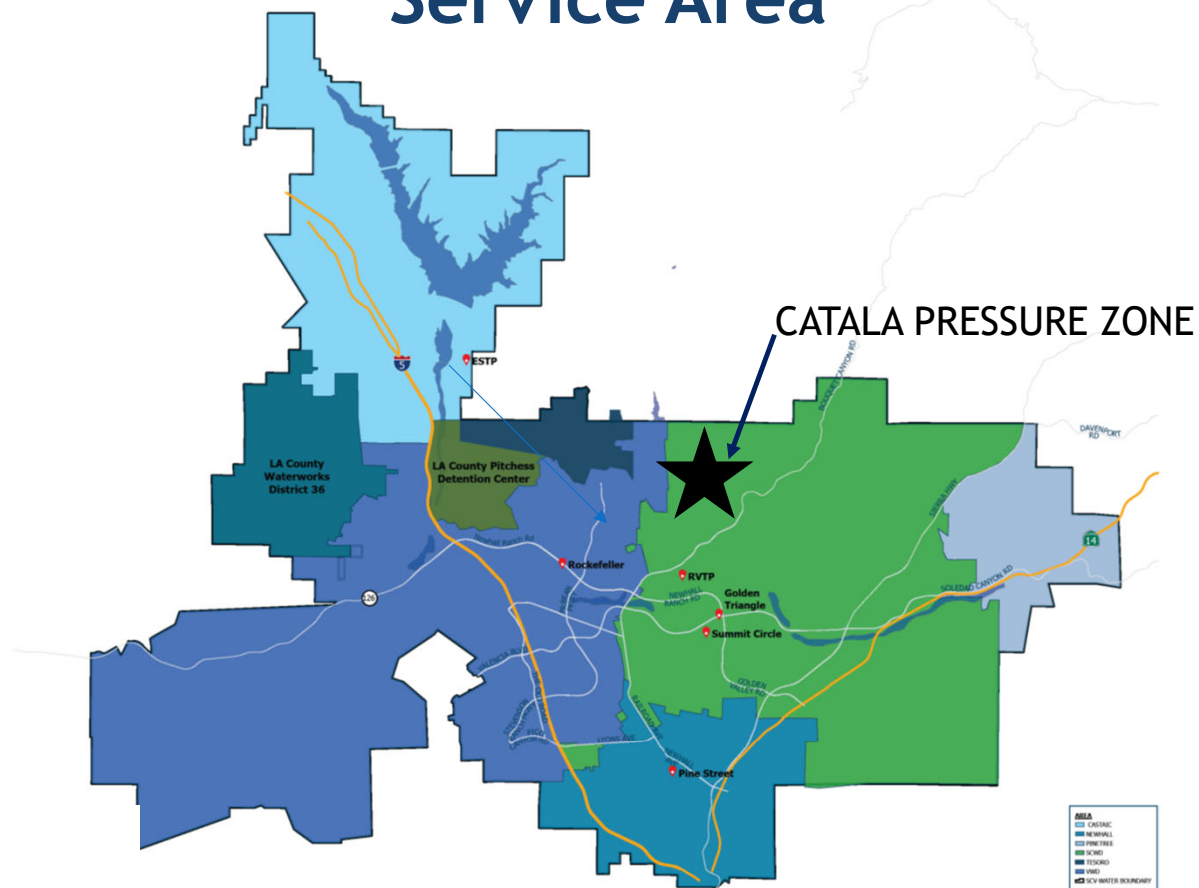


December 8, 2022

# Catala Pump Station and Pipelines Project Planning Services

Engineering and Operations  
Committee Meeting

# Santa Clarita Valley Water Agency Service Area

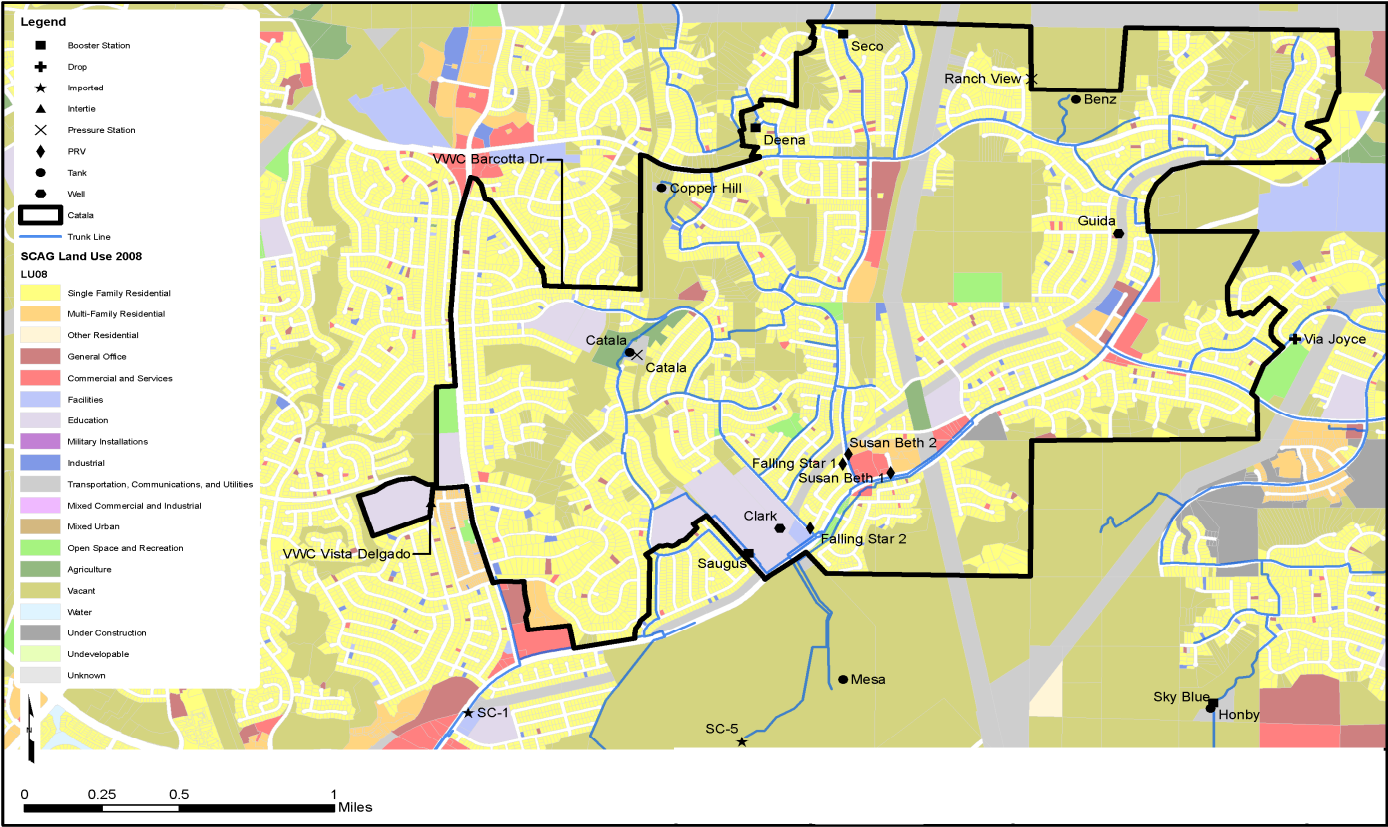


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# Santa Clarita Valley Water Agency Catala Pressure Zone



# Catala Pump Station and Pipelines Consultant Selection for Planning Services

- June 24, 2022: Request for Proposal (RFP) on PlanetBids advertised
- July 21, 2022: Three (3) proposals were received
- Evaluation Team: Engineering, Operations & Maintenance
- Lee & Ro, Inc. selected based on:
  - Responsiveness (conformance and compliance) to the RFP requirements
  - Project understanding
  - 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."



# Catala Pump Station and Pipelines Planning Services Scope of Work

- Project Meetings and Workshops
- Data Collection and Review
- Catala Pressure Zone evaluation (water demands, water supply, pumping capacities)
- Pump Station planning (land use, flood and seismic risk assessments, pumps hydraulics, site layout, site accessibility, piping, standby generator, transient studies including modeling using the surge software, electrical load analysis)
- Pump Station Pipelines planning (pipelines alternative routing, selection of an optimal layout, pipelines sizes and materials analysis, proposed improvements interconnections with the existing water system, seismic risk evaluation, surge analysis)
- Identification of permit requirements
- Estimated Construction Costs
- CEQA support



# Catala Pump Station and Pipelines Alternatives



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# Catala Pump Station and Pipelines Project Schedule

- Award Phase:
  - December 8, 2022: Engineering and Operations Committee
  - December 20, 2022: Board Meeting
- Planning Phase:
  - January 2023: Issue Notice To Proceed
  - January 2023 to June 2023: Planning Services



# Catala Pump Station and Pipelines Recommendation

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

Adopt the resolution authorizing the General Manager to execute a purchase order for planning services to Lee & Ro, Inc. for an amount not to exceed \$330,000.





## COMMITTEE MEMORANDUM

**DATE:** November 21, 2022

**TO:** Engineering and Operations Committee

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

**SUBJECT** Recommend Approval of a Resolution Authorizing a Purchase Order to Hazen and Sawyer for Planning Services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Project

### SUMMARY

Saugus Well N11 was impacted by perchlorate and was shut down in 1997. Similarly, nearby active Saugus Well N13 has concentrations of perchlorate above the detection limit for reporting (DLR). Additionally, trace amounts of per- and polyfluoroalkyl substances (PFAS) have been detected in Saugus Wells N12 and N13. Proactively, SCV Water is planning to add perchlorate and PFAS groundwater treatment to treat N11, N12, and N13 at a central location. Although total hardness is a secondary water quality standard, addition of a hard water softening process will be explored and may be added to address high concentrations of total hardness in these Saugus Wells. The capital improvements will help restore Well N11 and keep Wells N12 and N13 in operation. Staff issued a planning services Request for Proposal (RFP) for the work and received three (3) proposals. Staff is recommending approval of a resolution authorizing a purchase order to Hazen and Sawyer for planning services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements project.

### DISCUSSION

The design capacities of Saugus Wells N11, N12, and N13 are 1,200 gallons per minute (gpm), 2,500 gpm, and 2,500 gpm, respectively. As a result of perchlorate concentrations in N11 that exceed the State of California's Division of Drinking Water (DDW) Primary Maximum Contaminant Level (MCL), N11 was placed out of service in 1997. Similarly, perchlorate concentrations above the DLR have been detected in N13. Additionally, trace amounts of PFAS compounds have been detected in N12 and N13. Saugus Wells N12 and N13 are currently active and are located at or near 25135 Railroad Avenue. Ion exchange treatment systems are chosen as it can remove both perchlorate and PFAS compounds as compared to other treatment technologies. In addition to perchlorate and PFAS treatment, hard water softening will be explored and may be included to mitigate high concentrations of total hardness in the Saugus Wells.

On September 27, 2022, staff issued a Request for Proposal (RFP) to several of its on-call consultants for the planning services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements project and on November 2, 2022, staff received proposals from three (3) consultants. 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 Hazen and Sawyer to provide the planning services for the project.

The planning services scope of work will include but is not limited to identifying capital improvements that are needed to restore Well N11 and keep Wells N12 and N13 in operation, compliance with the regulations, propose the alternative solutions, prepare the estimated costs and recommended improvements. After the capital improvements are defined, then an environmental evaluation will be performed under the California Environmental Quality Act (CEQA).

The award of this planning contract will help meet SCV Water's objective and Strategic Plan Objective D.1: "Achieve 100% compliance with all environmental regulations and standards" and D.2: "Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)."

### **CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) CONSIDERATIONS**

The approval of a purchase order to Hazen and Sawyer for Planning Services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvement project authorizes the preparation of feasibility and planning studies and does not constitute an approval for the construction of the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements and so is exempt from further review under the California Environmental Quality Act (CEQA) Guidelines section 15262.

### **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 \$225,000.

### **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors approve the attached resolution authorizing a purchase order to Hazen and Sawyer for an amount not to exceed of \$225,000 for planning services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvement 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  
HAZEN AND SAWYER FOR THE PLANNING SERVICES  
FOR SAUGUS WELLS (N11, N12, N13) GROUNDWATER  
TREATMENT IMPROVEMENTS PROJECT**

**WHEREAS**, Santa Clarita Valley Water Agency (SCV Water) wishes to conduct feasibility and planning studies with regard to a potential Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements, as it continues to work towards meeting its Strategic Plan Objectives D.1: “Achieve 100% compliance with all environmental regulations and standards” and D.2: “proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)”; and

**WHEREAS**, the adoption of the resolution for a purchase order to Hazen and Sawyer for Planning Services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements project authorizes the preparation of feasibility and planning studies, and does not constitute an approval for the construction of the Saugus Wells Groundwater Treatment Improvements 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 September 27, 2022, SCV Water issued the Request for Proposal (RFP) to several of its on-call consultants on PlanetBids for planning services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements project; and

**WHEREAS**, on November 2, 2022, proposals from three (3) consultants were electronically received on the Agency’s website page on PlanetBids pursuant to the Agency’s planning services RFP for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements 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 Hazen and Sawyer for planning services in the amount of \$225,000.

**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 and the NOE 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 Hazen and Sawyer for planning services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements project for the total sum of \$225,000.

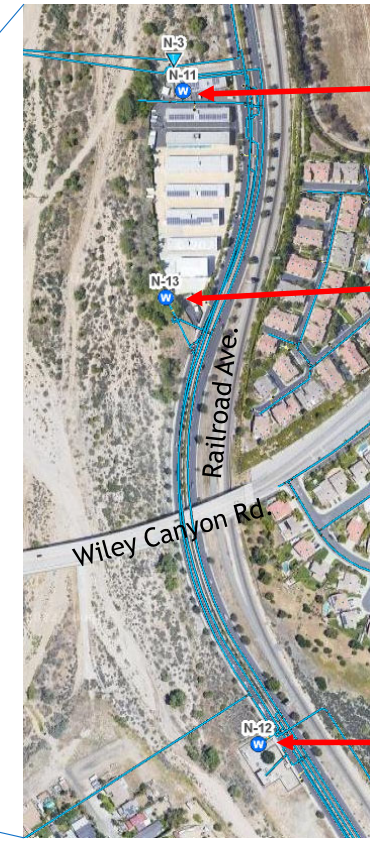
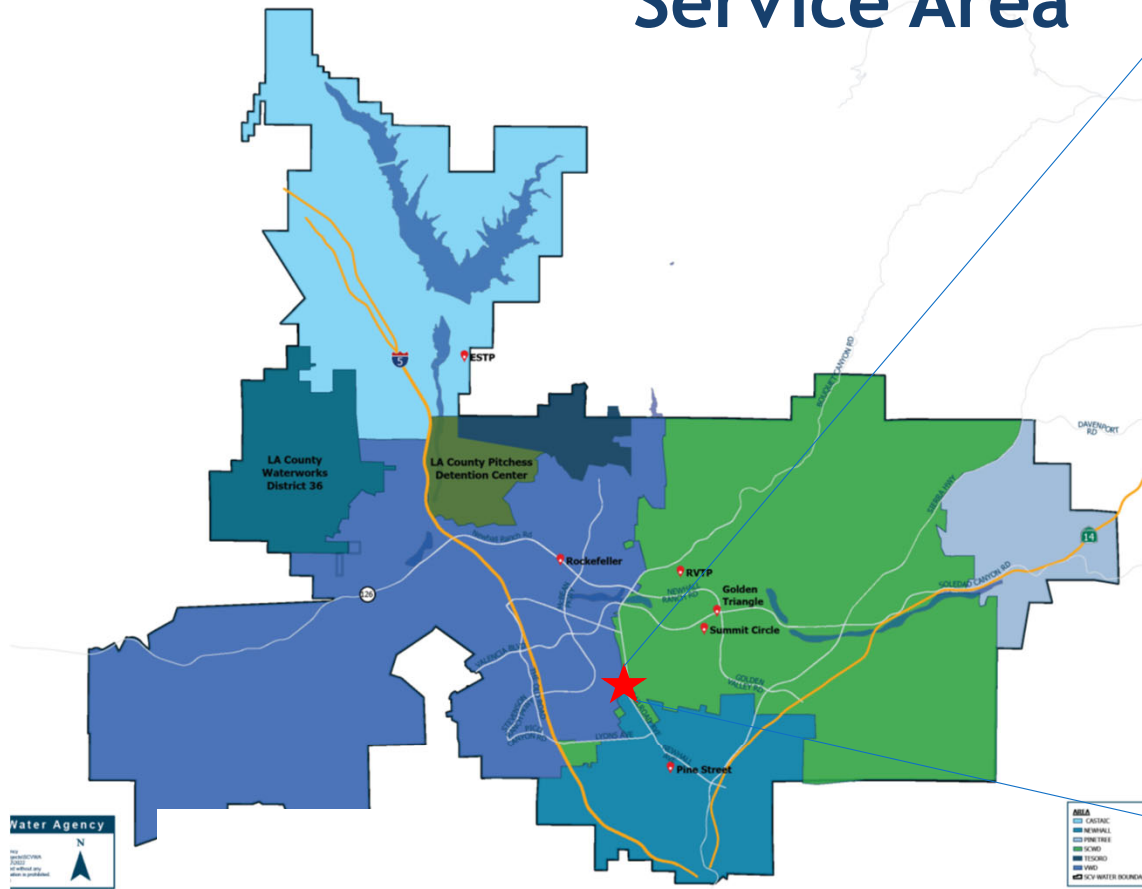


December 8, 2022

# Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Planning Services

Engineering and Operations  
Committee Meeting

# Santa Clarita Valley Water Agency Service Area



N-11

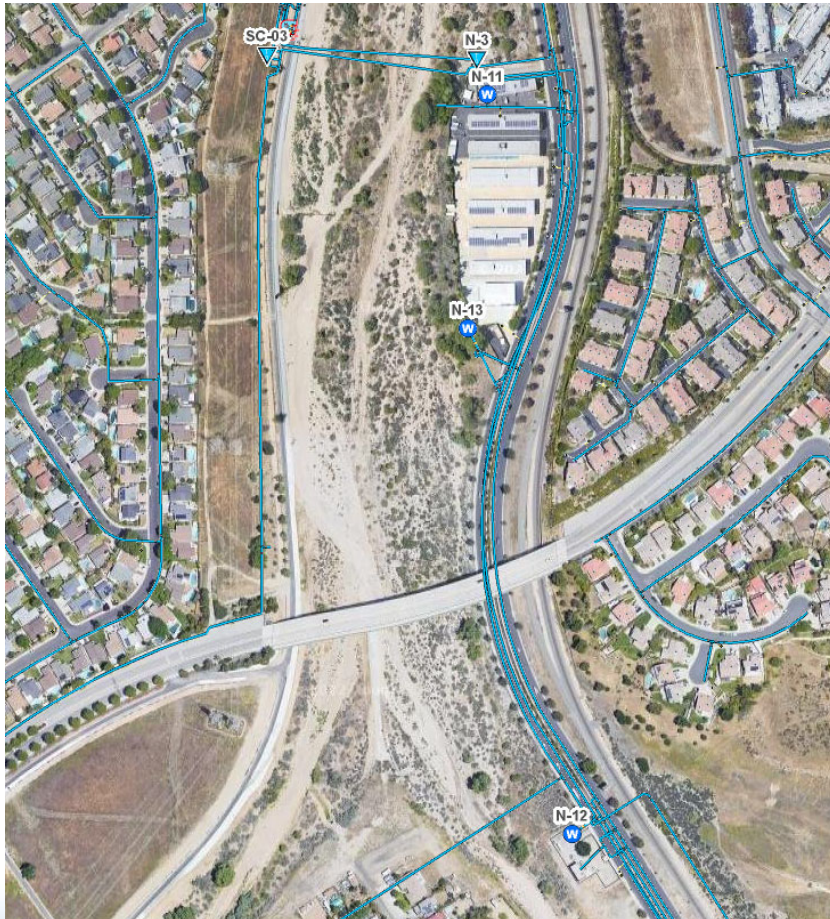
N-13

N-12

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# Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Planning Services



## N-11

- Drilled in 1973
- 1,200 gallon per minute (gpm) capacity
- Inactive: placed out of service in 1997 for perchlorate

## N-12

- Drilled in 1985
- Active
- 2,000 gpm (Permit Capacity)
- 1,835 gpm (Actual)

## N-13

- Drilled in 1990
- Active
- 2,500 gpm (Permit Capacity)
- 2,075 gpm (Actual)

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# Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Planning Services

- September 27, 2022: Request for Proposal (RFP) on PlanetBids advertised
- November 2, 2022: Three (3) proposals received
- Evaluation Team: Engineering, Operations & Maintenance
- Hazen and Sawyer 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 D.1: "Achieve 100% compliance with all environmental regulations and standards." and D.2: "Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)."



# Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Planning Services

## Scope of Work

- Project Meetings and Workshops
- Data Collection and Review
- Perform Topographical surveys
- Groundwater Treatment Improvement planning (land use, flood and seismic risk assessments, well rehabilitations, 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



# Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Planning Services



Proposed Treatment Systems - South Site





# Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Planning Services

- Award Phase:
  - December 8, 2022: Engineering and Operations Committee
  - January 3, 2022: Board Meeting
- Planning Phase:
  - January 2023: Notice to Proceed
  - January 2023 to May 2023: Planning Services



# Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Planning Services

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

Adopt the resolution authorizing the General Manager to execute a purchase order for planning services to Hazen and Sawyer for an amount not to exceed \$225,000.





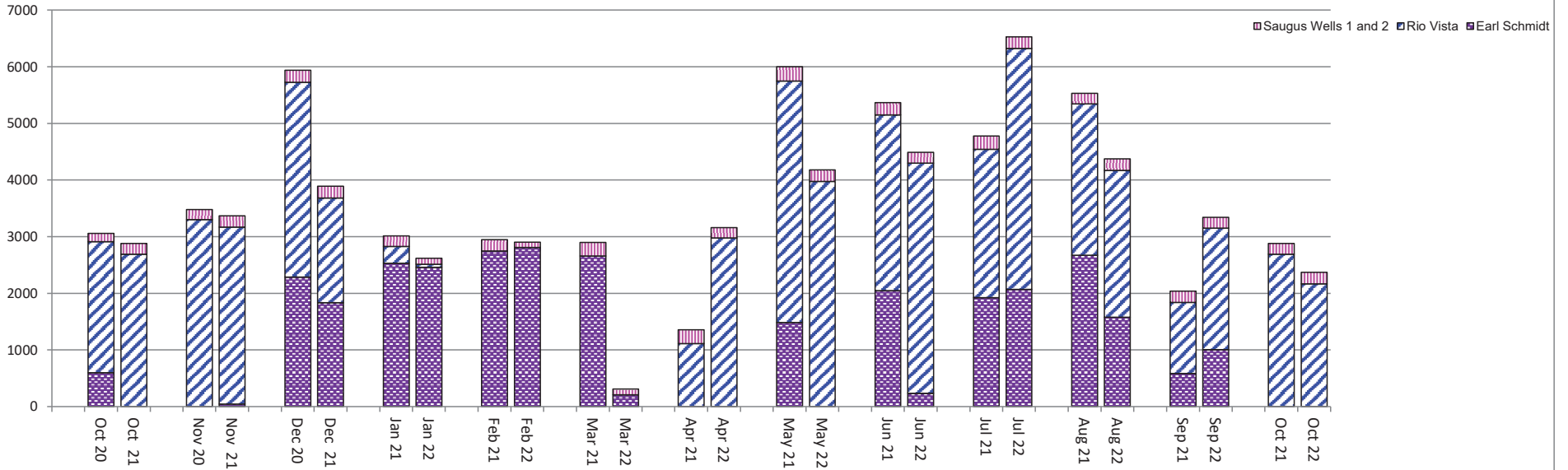
# Monthly Operations & Production Report

## October 2022

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**SANTA CLARITA VALLEY WATER AGENCY**  
 October 2022 Regional Operations Report

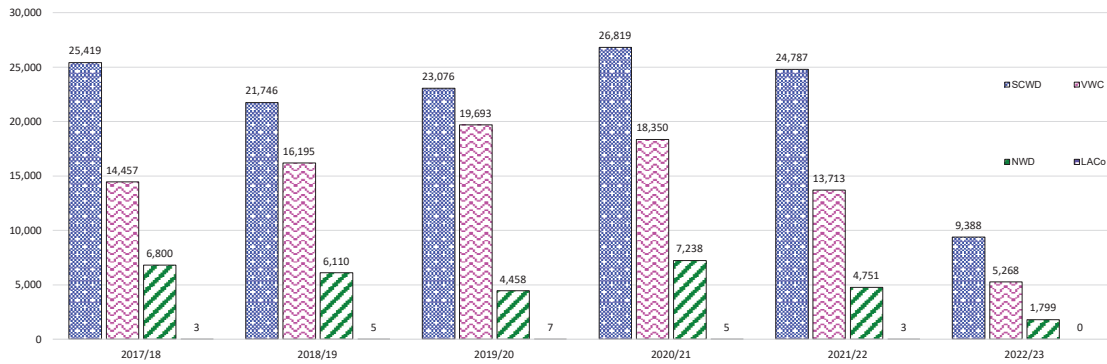
**Water Supply (acre-feet)**



Source	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Total
Earl Schmidt	587	0	43	1837	2459	2810	208	0	0	234	2068	1576	874	12696
Rio Vista	2689	3127	1847	55	0	0	2977	3975	4064	4257	2595	2140	2167	29893
Saugus 1 and 2	193	200	205	106	94	102	186	202	191	203	205	196	204	2287
<b>Total</b>	<b>3469</b>	<b>3327</b>	<b>2095</b>	<b>1998</b>	<b>2553</b>	<b>2912</b>	<b>3371</b>	<b>4177</b>	<b>4255</b>	<b>4694</b>	<b>4868</b>	<b>3912</b>	<b>3245</b>	<b>37719</b>
Total Sold	3585	3390	2113	2106	2593	3075	3243	4210	4279	4759	4720	3685	3290	45048
RVWTP Use/Storage	24.69	22.18	59.27	-64.57	3.22	-8.02	70.97	38.57	33.15	83.45	32.6	25.22	42.63	363.36
Total Use	3609.69	3412.18	2172.27	2041.43	2596.22	3066.98	3313.97	4248.57	4312.15	4842.45	4752.6	3710.22	3332.63	45411.36
Water Loss	4.06%	2.56%	3.69%	2.17%	1.69%	5.32%	-1.69%	1.71%	1.34%	3.16%	-2.37%	-5.16%	2.70%	1.48%
<b>Recycled Water</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>Jan-22</b>	<b>Feb-22</b>	<b>Mar-22</b>	<b>Apr-22</b>	<b>May-22</b>	<b>Jun-22</b>	<b>Jul-22</b>	<b>Aug-22</b>	<b>Sep-22</b>	<b>Oct-22</b>	<b>Total</b>
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
<b>Total</b>	<b>5,958</b>	<b>5,615</b>	<b>4,619</b>	<b>4,522</b>	<b>3,528</b>	<b>3,481</b>	<b>2,684</b>	<b>2,532</b>	<b>1,746</b>	<b>3,414</b>	<b>3,885</b>	<b>4,695</b>	<b>46,680</b>
<b>Cum. FYTD</b>	<b>5,958</b>	<b>11,573</b>	<b>16,192</b>	<b>20,714</b>	<b>24,242</b>	<b>27,723</b>	<b>30,407</b>	<b>32,939</b>	<b>34,685</b>	<b>38,099</b>	<b>41,984</b>	<b>46,680</b>	
2018/19	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,694	2,816	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
<b>Total</b>	<b>5,639</b>	<b>5,855</b>	<b>5,160</b>	<b>4,011</b>	<b>3,349</b>	<b>1,947</b>	<b>1,805</b>	<b>802</b>	<b>2,735</b>	<b>4,016</b>	<b>3,754</b>	<b>4,985</b>	<b>44,057</b>
<b>Cum. FYTD</b>	<b>5,639</b>	<b>11,494</b>	<b>16,654</b>	<b>20,665</b>	<b>24,014</b>	<b>25,961</b>	<b>27,766</b>	<b>28,567</b>	<b>31,302</b>	<b>35,318</b>	<b>39,072</b>	<b>44,057</b>	
2019/20	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,610	2,743	2,475	2,310	1,845	980	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
<b>Total</b>	<b>5,823</b>	<b>5,779</b>	<b>5,316</b>	<b>4,879</b>	<b>3,651</b>	<b>1,715</b>	<b>2,353</b>	<b>2,411</b>	<b>2,309</b>	<b>2,660</b>	<b>5,004</b>	<b>5,336</b>	<b>47,234</b>
<b>Cum. FYTD</b>	<b>5,823</b>	<b>11,602</b>	<b>16,918</b>	<b>21,796</b>	<b>25,448</b>	<b>27,162</b>	<b>29,515</b>	<b>31,926</b>	<b>34,235</b>	<b>36,894</b>	<b>41,898</b>	<b>47,234</b>	
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
<b>Total</b>	<b>6,048</b>	<b>6,373</b>	<b>5,870</b>	<b>4,970</b>	<b>4,050</b>	<b>3,605</b>	<b>2,766</b>	<b>2,662</b>	<b>2,871</b>	<b>3,887</b>	<b>4,500</b>	<b>4,809</b>	<b>52,413</b>
<b>Cum. FYTD</b>	<b>6,048</b>	<b>12,422</b>	<b>18,292</b>	<b>23,262</b>	<b>27,312</b>	<b>30,918</b>	<b>33,683</b>	<b>36,346</b>	<b>39,216</b>	<b>43,103</b>	<b>47,603</b>	<b>52,413</b>	
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
<b>Total</b>	<b>5,030</b>	<b>5,070</b>	<b>4,559</b>	<b>3,585</b>	<b>3,390</b>	<b>2,113</b>	<b>2,106</b>	<b>2,593</b>	<b>3,075</b>	<b>3,243</b>	<b>4,210</b>	<b>4,279</b>	<b>43,253</b>
<b>Cum. FYTD</b>	<b>5,030</b>	<b>10,100</b>	<b>14,660</b>	<b>18,244</b>	<b>21,634</b>	<b>23,747</b>	<b>25,852</b>	<b>28,445</b>	<b>31,521</b>	<b>34,764</b>	<b>38,974</b>	<b>43,253</b>	
2022/23	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,536	2,603	2,202	2,047	0	0	0	0	0	0	0	0	9,388
VWD	1,664	1,667	1,119	818	0	0	0	0	0	0	0	0	5,268
NWD	558	451	364	425	0	0	0	0	0	0	0	0	1,799
LACo	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,759</b>	<b>4,720</b>	<b>3,685</b>	<b>3,290</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,455</b>
<b>Cum. FYTD</b>	<b>4,759</b>	<b>9,479</b>	<b>13,164</b>	<b>16,455</b>	<b>16,455</b>	<b>16,455</b>	<b>16,455</b>	<b>16,455</b>	<b>16,455</b>	<b>16,455</b>	<b>16,455</b>	<b>16,455</b>	

\*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
<b>TOTAL</b>	<b>7.34</b>	<b>24.34</b>	<b>13.59</b>	<b>52.55</b>	<b>20.58</b>	<b>6.58</b>	<b>23.12</b>	<b>13.64</b>	<b>25.65</b>	<b>31.27</b>	<b>16.07</b>
	<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	
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	
<b>TOTAL</b>	<b>8.28</b>	<b>9.23</b>	<b>12.87</b>	<b>10.87</b>	<b>25.53</b>	<b>11.15</b>	<b>27.68</b>	<b>18.84</b>	<b>4.57</b>	<b>17.72</b>	<b>0.08</b>

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)

<b>GROUNDWATER - ALLUVIUM</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
C1	26	30	36	38	43	42	49	48	40	40			394
C2	13	14	18	19	21	21	21	20	16	16			178
C7	35	41	48	50	58	62	67	66	55	58			538
CLARK	0	0	0	0	0	0	0	0	0	0			0
D	0	0	0	0	0	0	0	0	0	0			0
E15	54	62	79	76	92	100	117	51	50	165			847
E17	45	54	64	66	74	73	66	95	92	60			689
GUIDA	45	53	52	41	34	39	67	64	57	52			504
HONBY	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			87
LOST CANYON NO.2A	28	63	43	55	70	62	61	70	59	48			559
MITCHELL 5A	6	0	0	0	0	0	0	0	0	0			6
MITCHELL 5B	0	0	0	0	0	0	0	0	0	0			0
N	89	79	91	75	106	97	104	104	104	93			943
N7	145	88	211	165	183	180	133	158	136	268			1667
N8	160	184	104	129	133	123	173	145	164	43			1359
NORTH OAKS CENTRAL	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
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0			0
P1	15	12	0	0	0	0	0	0	0	0			27
P3	52	46	13	14	16	1	0	0	0	0			144
P4	0	0	0	0	0	0	0	0	0	0			0
P5	0	0	0	0	0	0	0	0	0	0			0
Q2	0	0	0	0	0	0	0	0	0	0			0
S6	0	0	0	0	0	0	0	0	0	0			0
S7	0	0	0	0	0	0	0	0	0	0			0
S8	0	0	0	0	0	0	0	0	0	0			1
SAND CANYON	28	63	52	52	66	59	55	61	52	42			529
SANTA CLARA	0	0	0	0	0	0	0	0	0	0			0
SIERRA	40	48	57	53	68	67	77	85	88	66			647
T7	0	0	0	0	0	0	0	0	0	0			0
U4	0	0	0	0	0	0	0	0	0	0			0
U6	0	0	0	0	0	0	0	0	0	0			0
VALLEY CENTER	0	0	0	0	0	0	0	0	0	64			64
W9	35	50	61	82	52	71	56	65	73	58			603
W10	58	95	108	152	103	119	102	0	126	113			977
W11	45	63	79	106	75	108	107	111	58	100			853
	922	1074	1135	1195	1212	1224	1256	1142	1172	1284	0	0	11616
<b>GROUNDWATER - SAUGUS</b>													
159	0	0	1	3	6	6	9	6	16	2			49
160 - DOM	35	42	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			54
201	0	0	0	0	0	0	0	0	0	0			0
205	0	0	0	0	0	0	0	0	0	0			0
206	50	106	132	157	177	278	317	290	255	221			1984
207	54	116	140	130	65	0	21	228	197	173			1123
N12	109	117	142	145	170	164	187	199	193	169			1593
N13	122	132	161	166	198	192	221	236	231	203			1862
SAUGUS 1	103	93	102	98	101	97	102	103	98	102			998
SAUGUS 2	3	1	0	88	101	95	102	103	98	102			693
	489	630	678	788	818	830	958	1164	1088	988	0	0	8431
<b>TOTAL GROUNDWATER</b>	<b>1411</b>	<b>1704</b>	<b>1813</b>	<b>1983</b>	<b>2030</b>	<b>2055</b>	<b>2215</b>	<b>2306</b>	<b>2260</b>	<b>2271</b>	<b>0</b>	<b>0</b>	<b>20048</b>

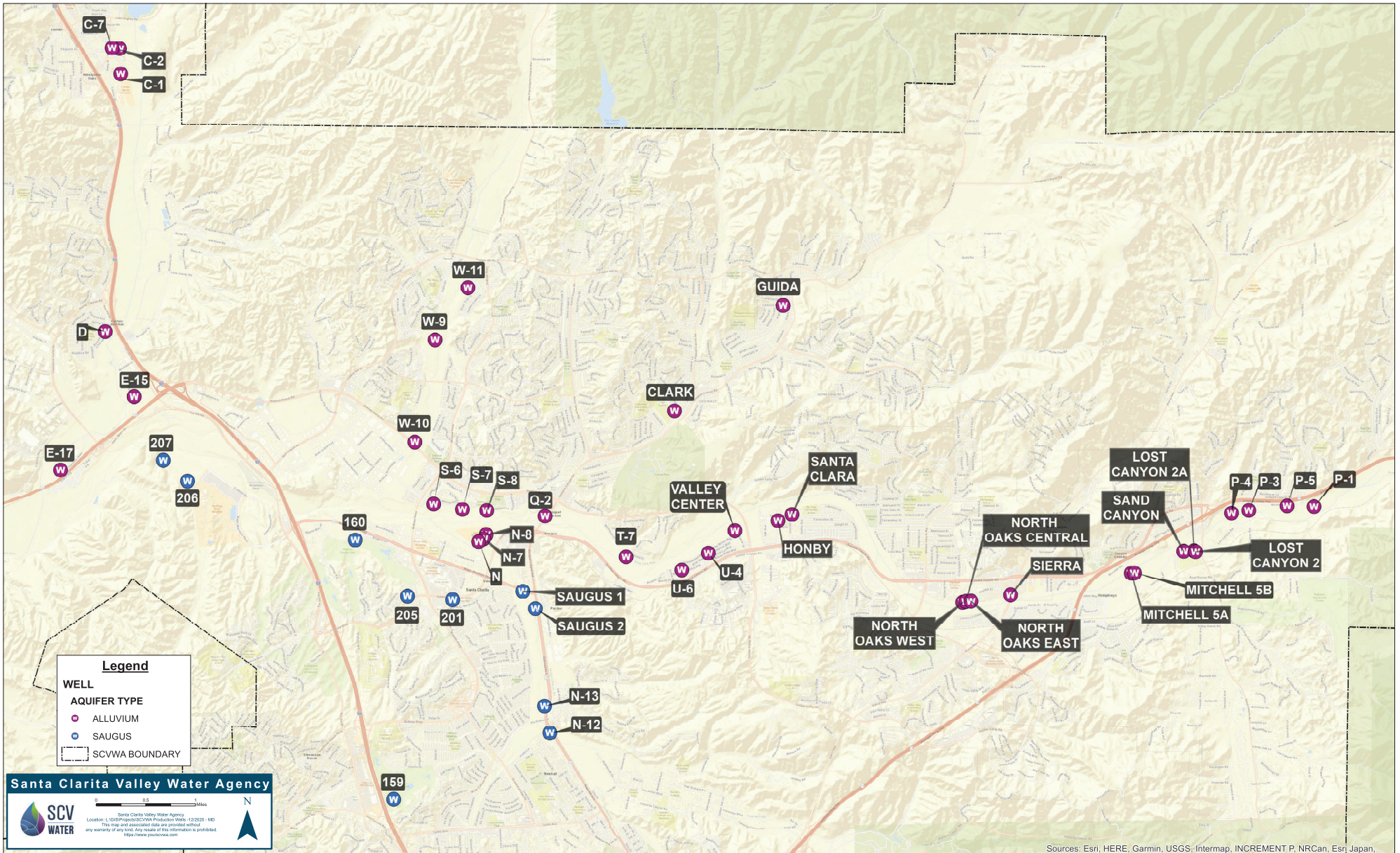


SANTA CLARITA VALLEY WATER AGENCY  
 WATER PRODUCTION 2022 (ACRE-FEET)

<b>SURFACE WATER + SAUGUS 1 &amp; SAUGUS 2</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
N-1	26	30	28	26	40	46	49	58	47	43			394
N-2	27	61	123	133	160	173	189	195	160	158			1379
N-3	26	49	34	45	52	76	69	72	40	52			516
N-4	60	107	107	133	202	185	251	126	117	172			1460
SC-1	253	264	260	216	244	218	241	279	240	138			2356
SC-2	0	13	125	226	268	239	297	278	264	226			1937
SC-3	4	37	104	111	134	137	152	21	52	123			874
SC-4	287	354	315	310	380	371	378	390	266	199			3250
SC-5	16	0	0	44	76	116	138	197	146	169			903
SC-6	70	81	73	69	40	103	132	132	104	141			942
SC-7	154	201	195	168	225	268	237	221	180	99			1947
SC-8	120	163	159	124	150	156	294	363	342	362			2234
SC-9	263	245	291	289	302	287	284	315	313	314			2901
SC-10	25	31	28	36	51	71	90	65	26	33			458
SC-11	0	0	0	0	0	0	0	0	0	0			0
SC-12	48	54	129	175	238	249	184	174	141	138			1529
SC-13	92	104	122	96	109	96	108	167	127	106			1127
V-1	90	115	131	139	162	176	197	233	186	129			1556
V-2	184	259	297	196	369	333	373	512	261	110			2895
V-4	34	46	44	55	98	109	95	62	35	21			600
V-5	150	126	108	256	319	261	405	336	218	187			2366
V-6	51	59	15	89	113	107	156	117	104	115			927
V-7	42	56	135	137	199	175	244	259	181	72			1501
V-8	84	138	253	169	279	328	194	148	134	183			1911
	2106	2593	3075	3243	4210	4279	4759	4720	3685	3290	0	0	35961
<b>TOTAL SURFACE WATER - SAUGUS 1 &amp; SAUGUS 2</b>	<b>1999</b>	<b>2499</b>	<b>2973</b>	<b>3057</b>	<b>4008</b>	<b>4088</b>	<b>4555</b>	<b>4515</b>	<b>3489</b>	<b>3086</b>	<b>0</b>	<b>0</b>	<b>34271</b>
<b>TOTAL PRODUCTION (GW + SURFACE WATER)</b>	<b>3410</b>	<b>4203</b>	<b>4786</b>	<b>5040</b>	<b>6038</b>	<b>6143</b>	<b>6770</b>	<b>6821</b>	<b>5750</b>	<b>5358</b>	<b>0</b>	<b>0</b>	<b>54318</b>
<b>% BY SOURCE</b>													
GROUNDWATER	41%	40%	38%	39%	34%	33%	33%	34%	39%	42%			37%
SURFACE WATER	59%	60%	62%	61%	66%	67%	67%	66%	61%	58%			63%
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			3.3
<b>Total Net Water to Distribution System</b>	<b>3410</b>	<b>4203</b>	<b>4786</b>	<b>5039</b>	<b>6038</b>	<b>6143</b>	<b>6770</b>	<b>6821</b>	<b>5749</b>	<b>5357</b>	<b>0</b>	<b>0</b>	<b>54315</b>
<b>RAW WATER - SOURCE</b>													
RWWTP	55	0	0	2,977	3,975	4,064	4,257	2,595	2,140	2,167			22,229
ESFP	1,837	2,459	2,810	208	0	0	247	2,068	1,576	1,009			12,214
<b>RECYCLED WATER</b>													
RWPS 1 - Based on customer billing month	5	8	18	21	10	56	43	49	46	38			296
Originally reported due to metering error	15	19	31	57	108	143	151	149					
<b>WHOLESALE - LA COUNTY WATERWORKS 36</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
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
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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# SCVWA PRODUCTION WELLS



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

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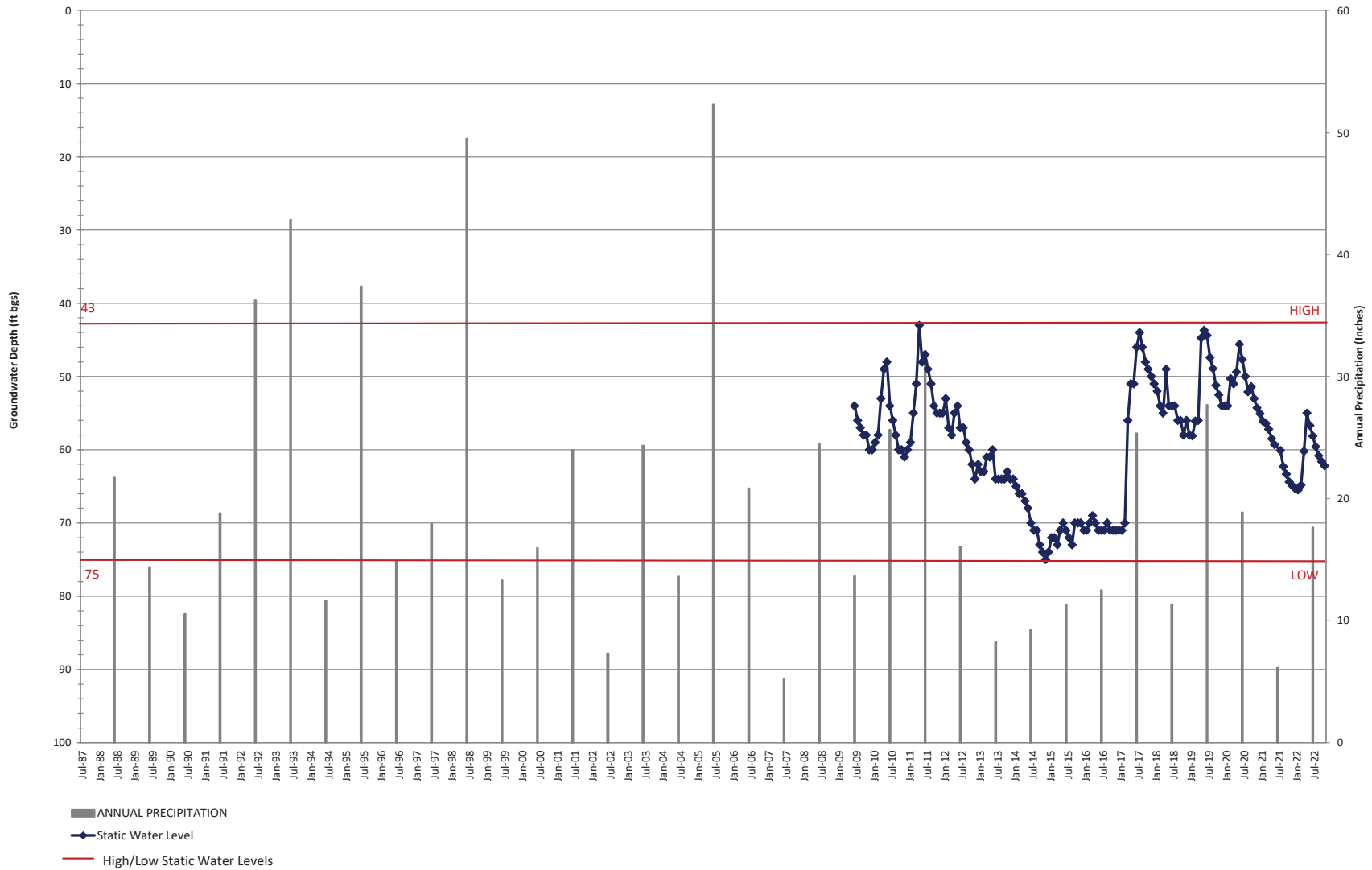
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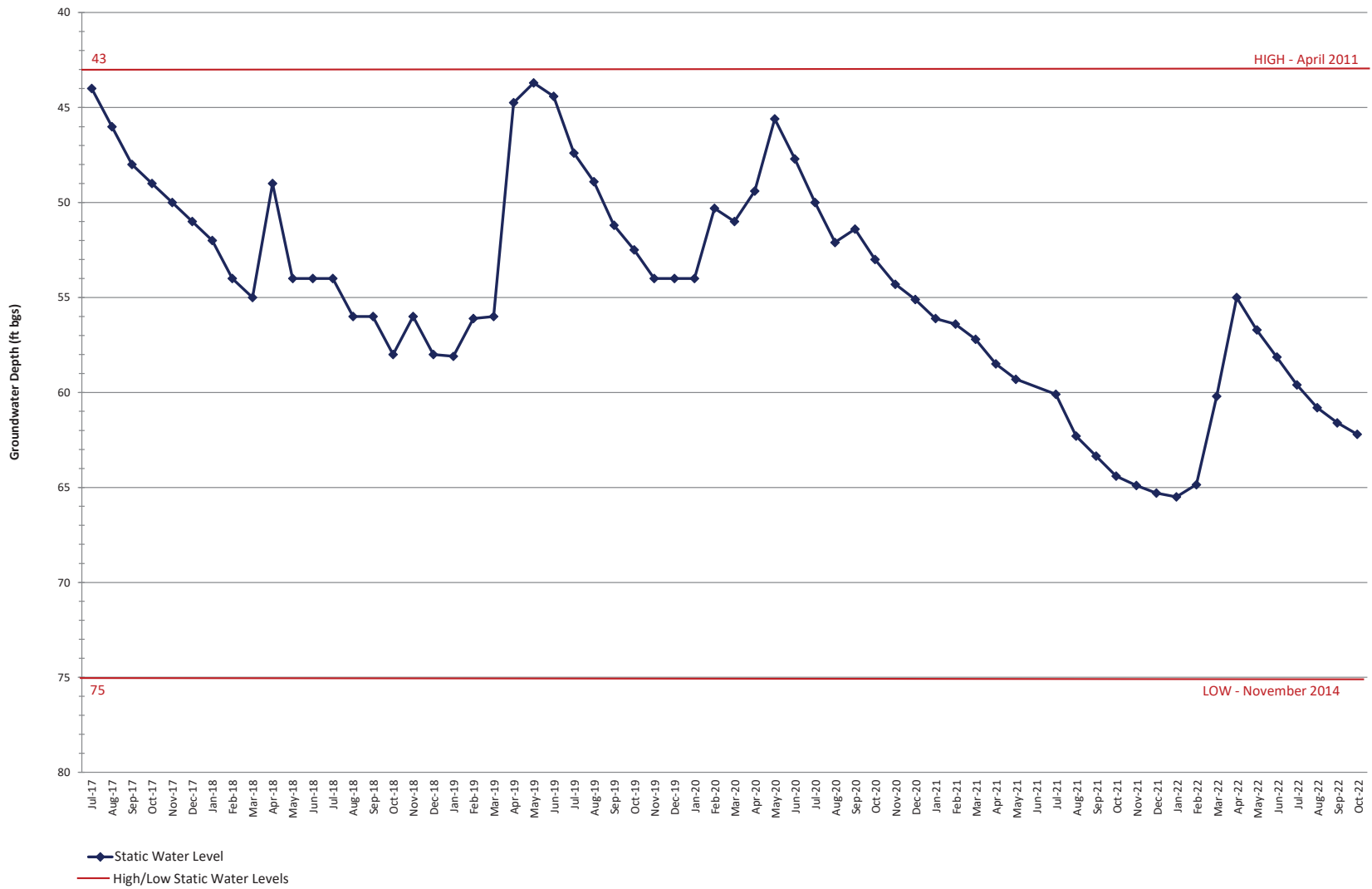
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**SCV WATER WELL C7**  
**STATIC WATER LEVEL VS PRECIPITATION**

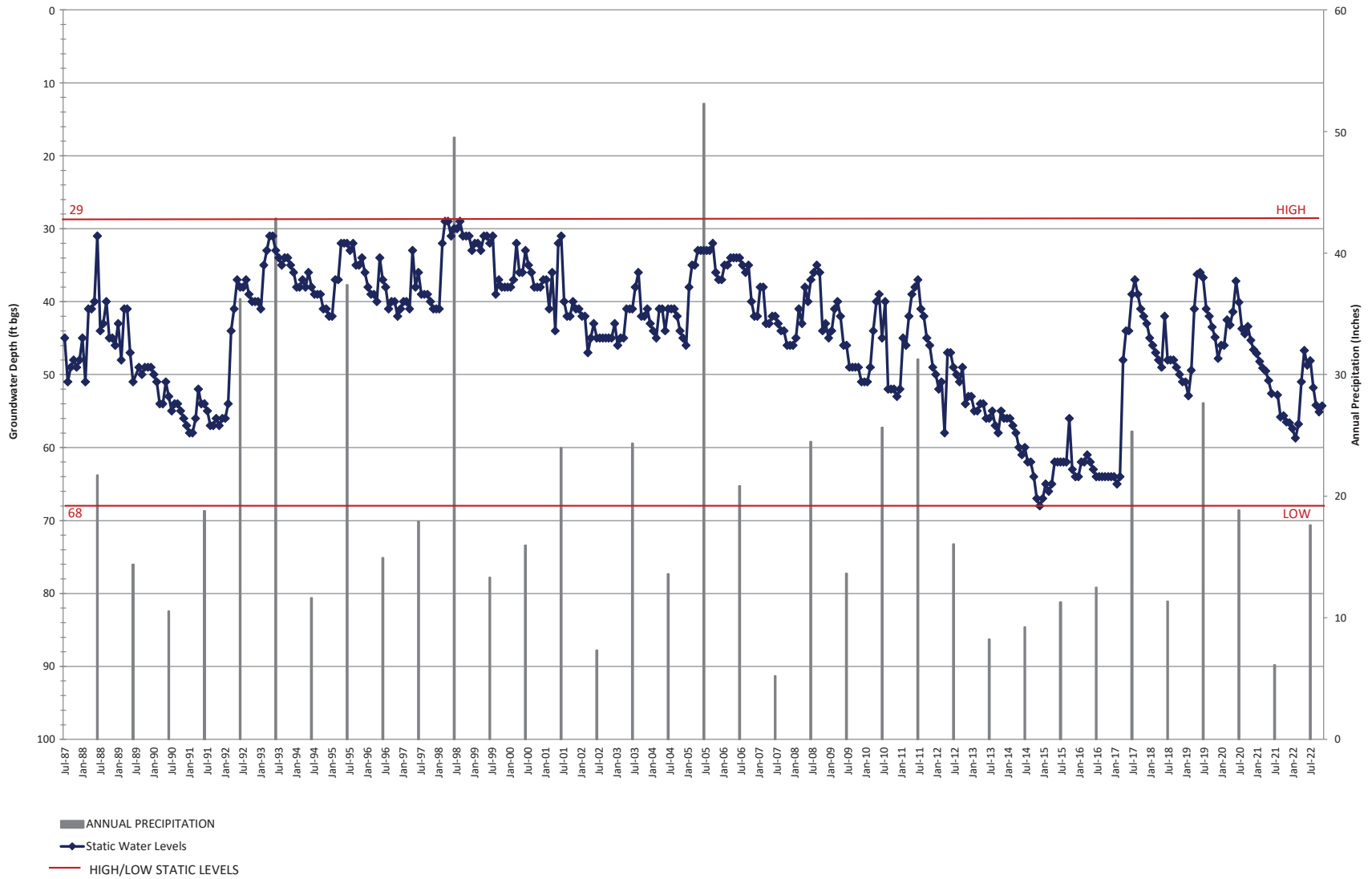


SCV WATER WELL C7  
STATIC WATER LEVEL

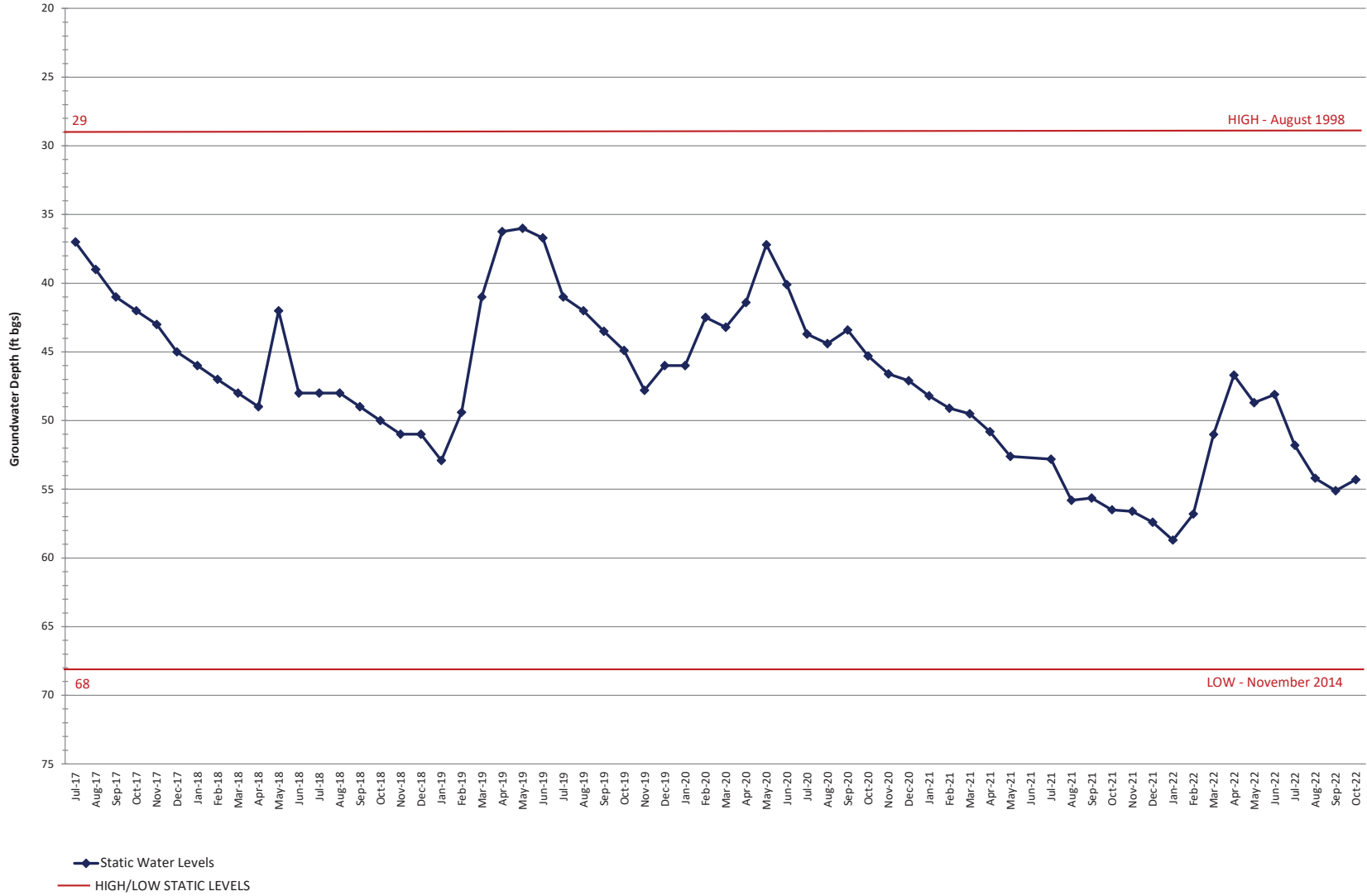




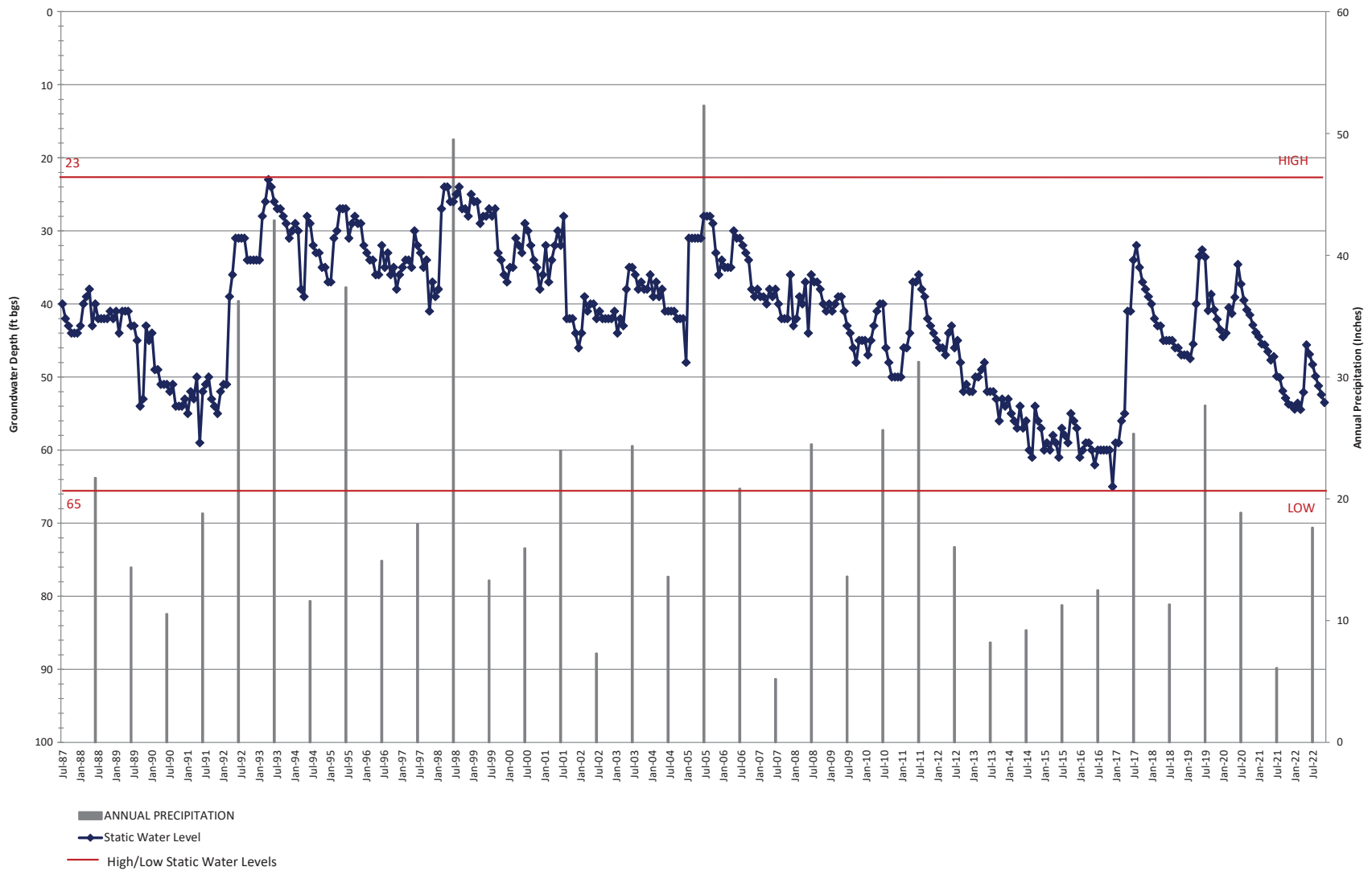
**SCV WATER WELL C2**  
 STATIC WATER LEVEL VS PRECIPITATION



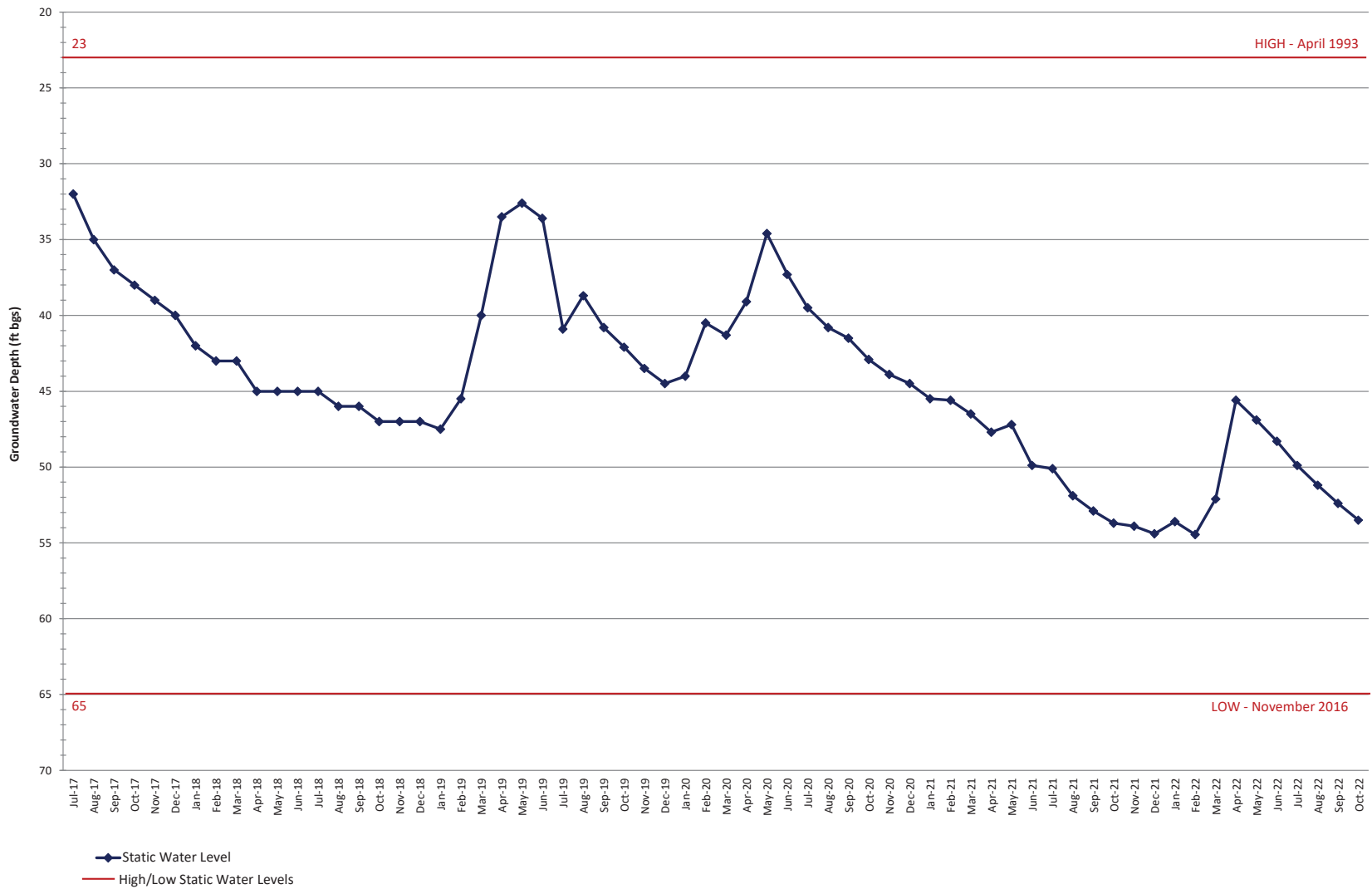
**SCV WATER WELL C2**  
 STATIC WATER LEVEL



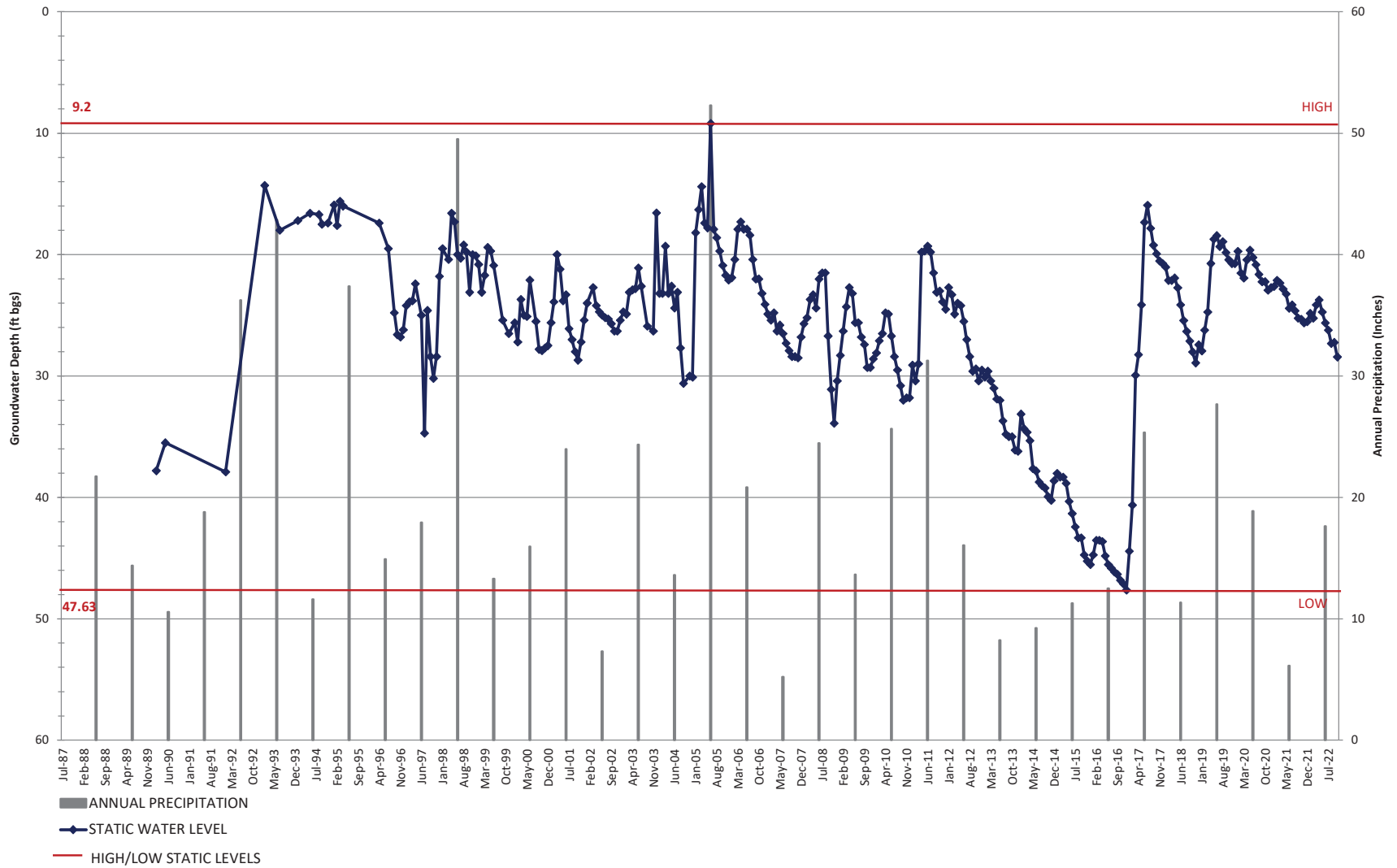
**SCV WATER WELL C1**  
 STATIC WATER LEVEL VS PRECIPITATION



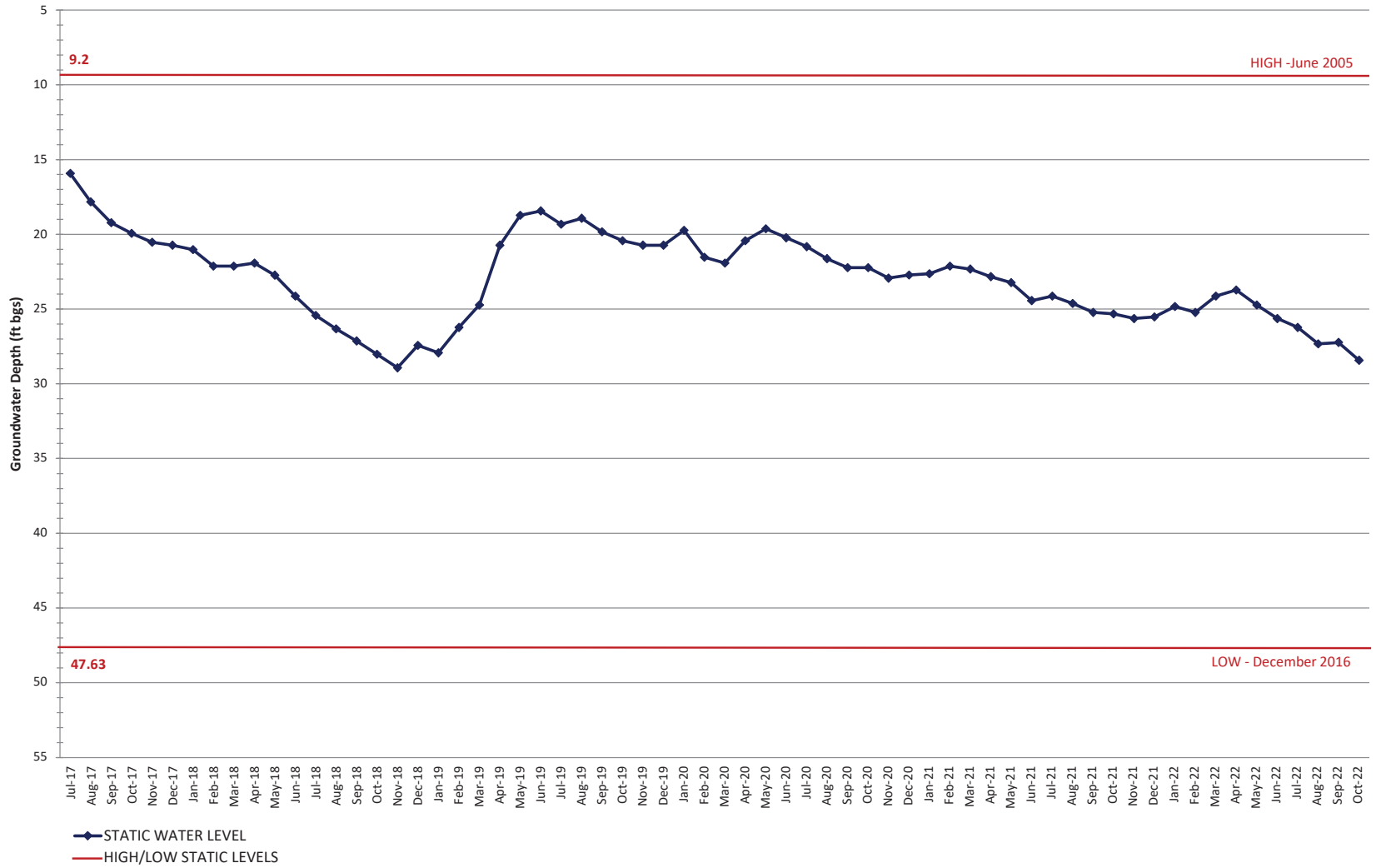
SCV WATER WELL C1  
 STATIC WATER LEVEL



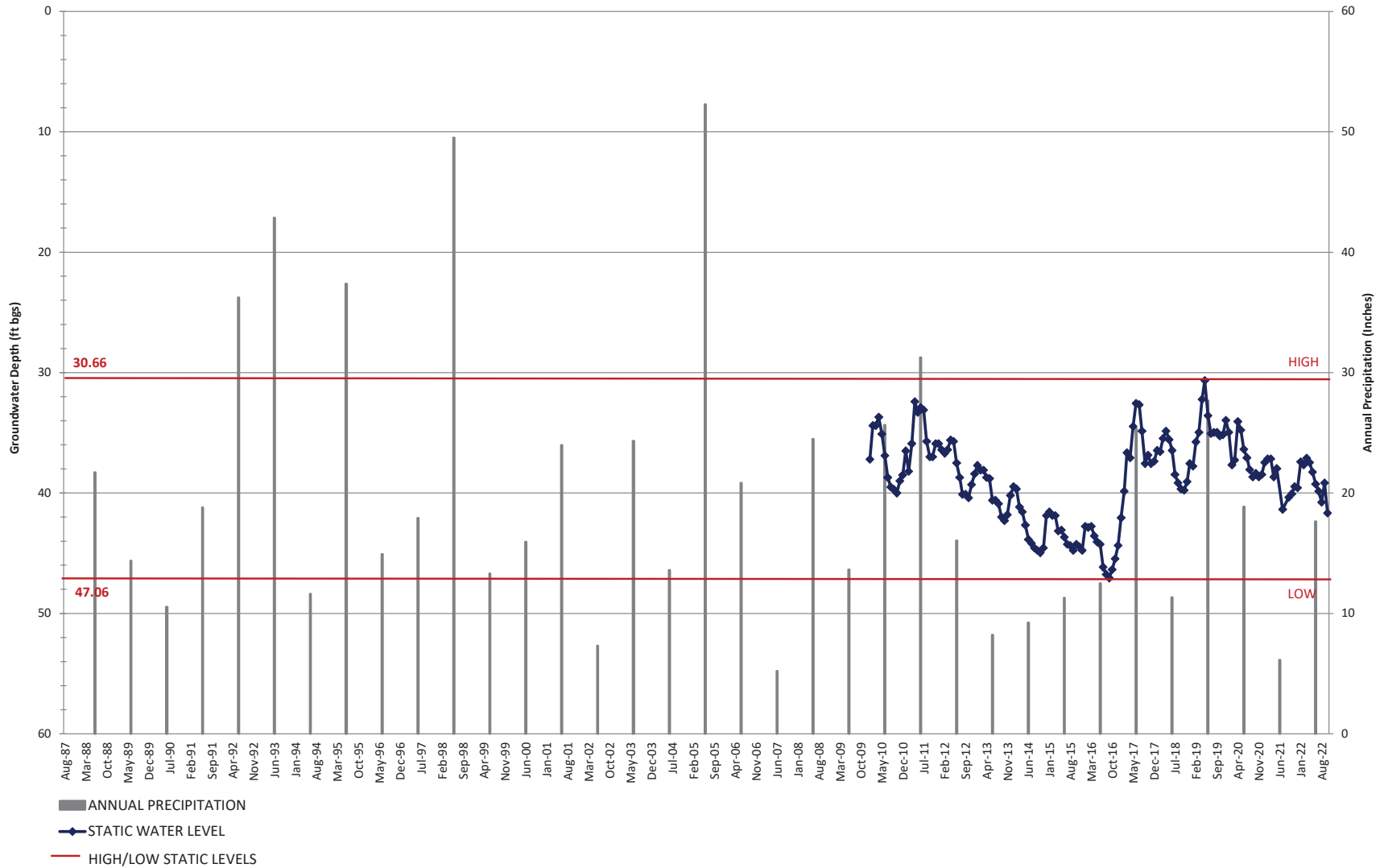
**SCV WATER WELL D**  
 STATIC WATER LEVEL VS PRECIPITATION



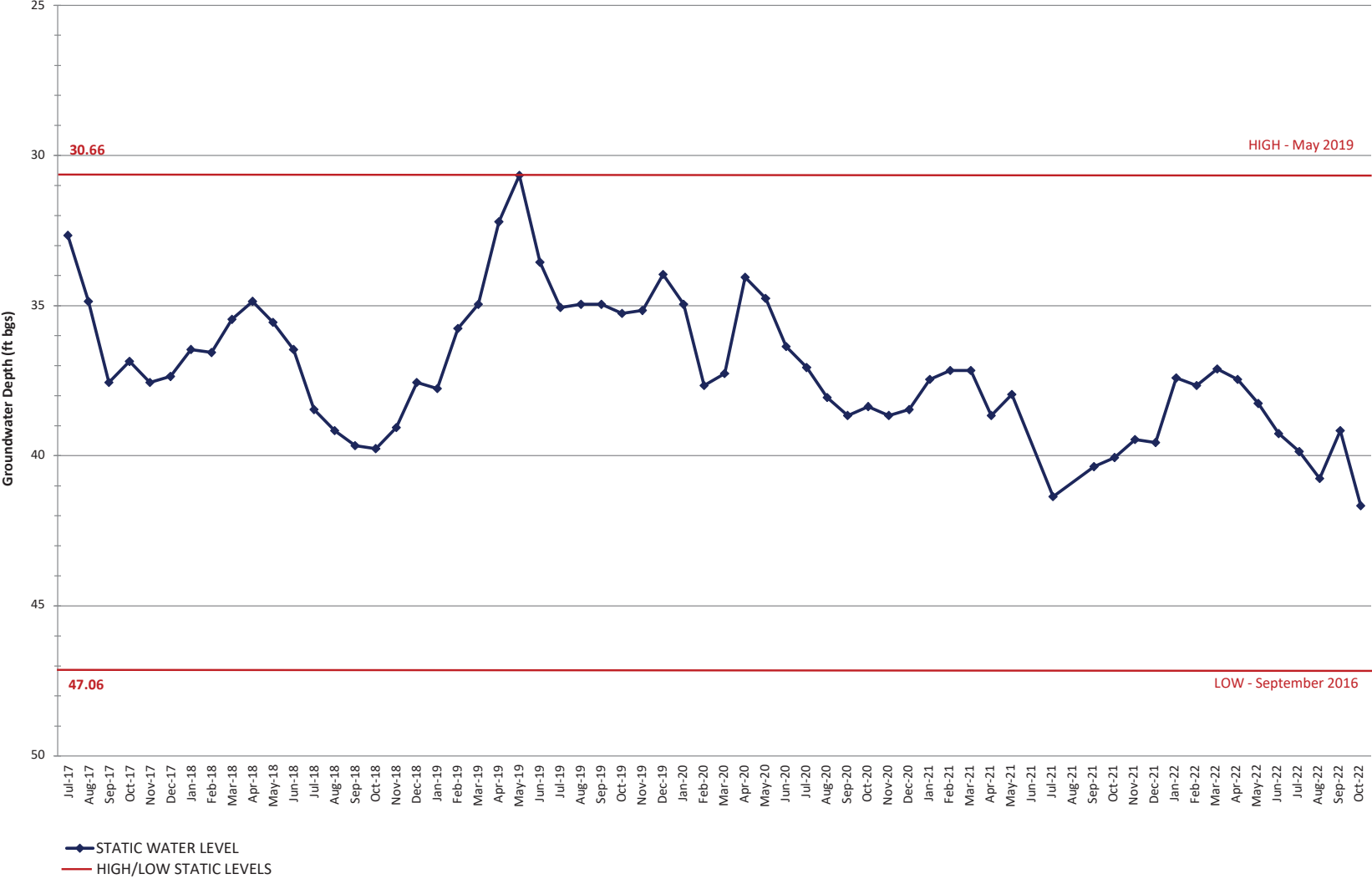
**SCV WATER WELL D**  
*STATIC WATER LEVEL*



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

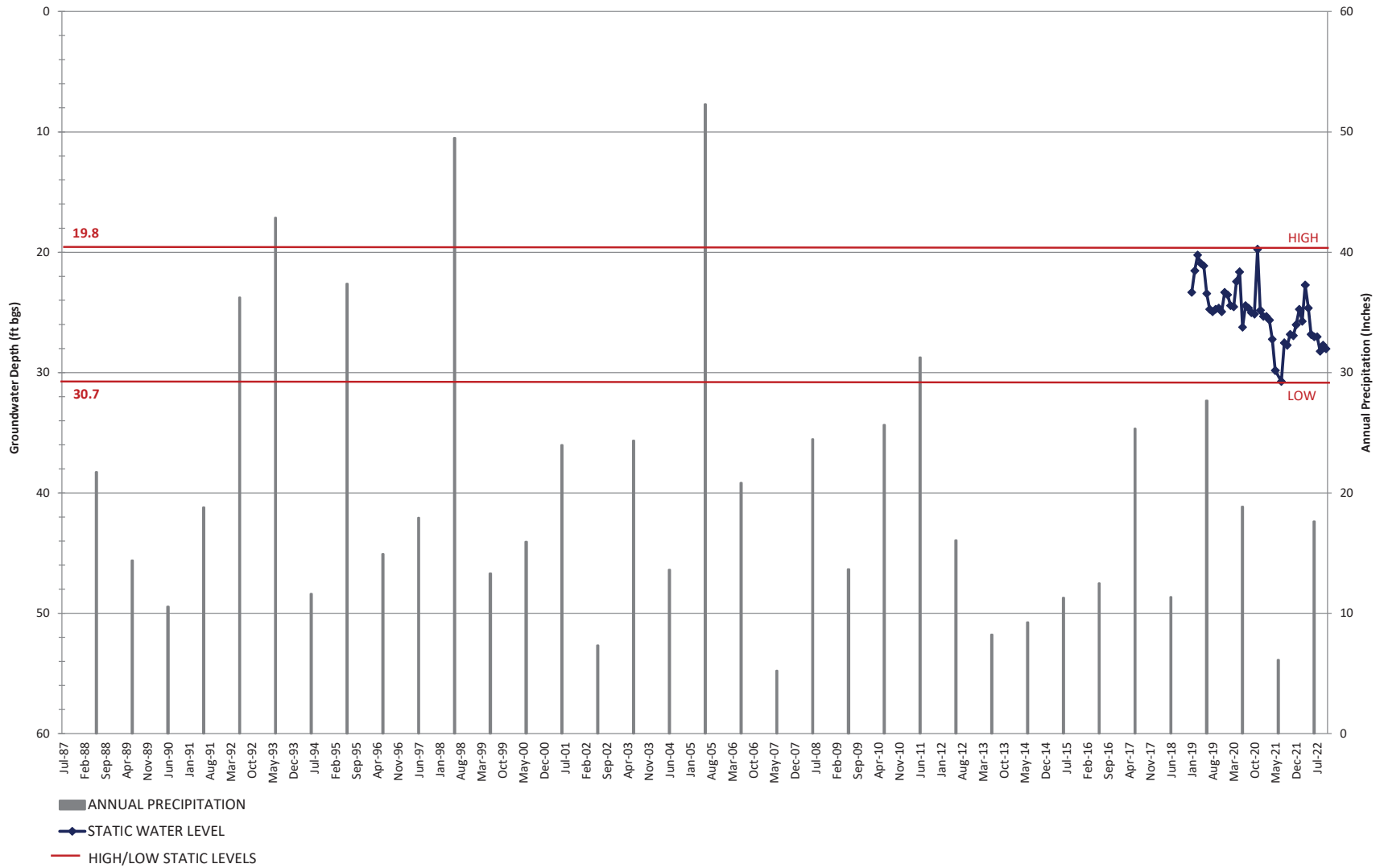


**SCV WATER WELL E15**  
**STATIC WATER LEVEL**

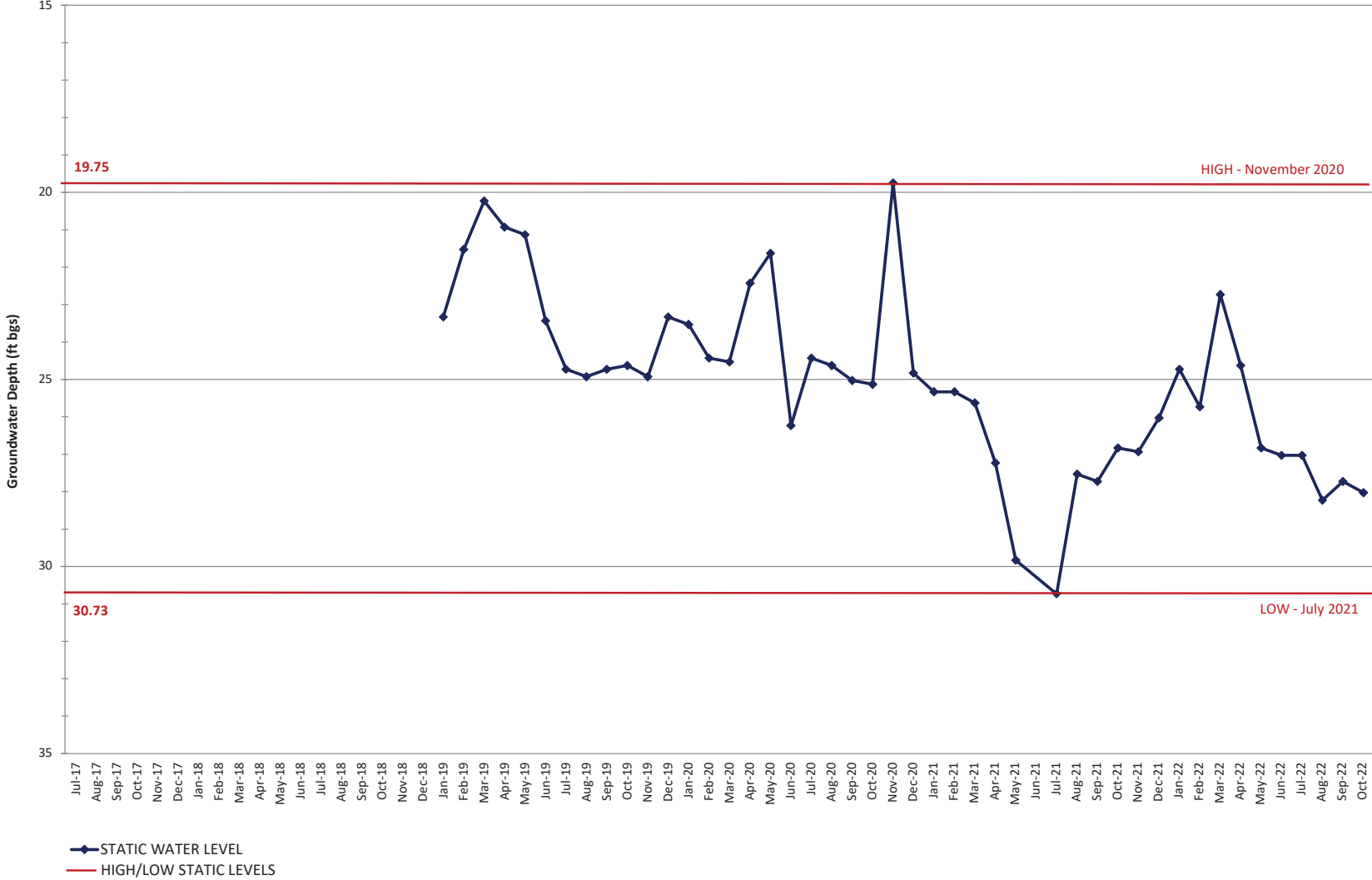




**SCV WATER WELL E17**  
 STATIC WATER LEVEL VS. PRECIPITATION



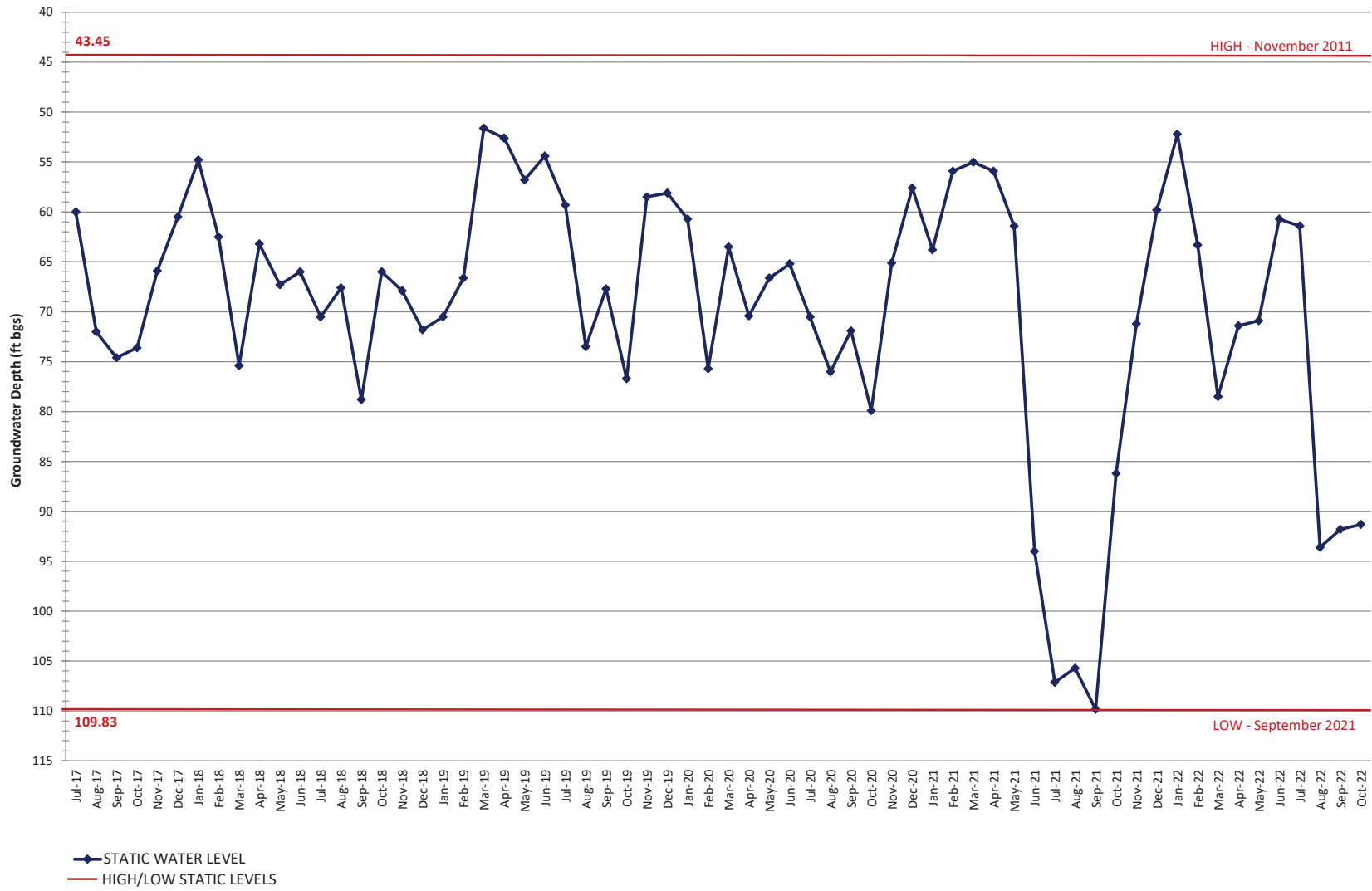
**SCV WATER WELL E17**  
**STATIC WATER LEVEL**



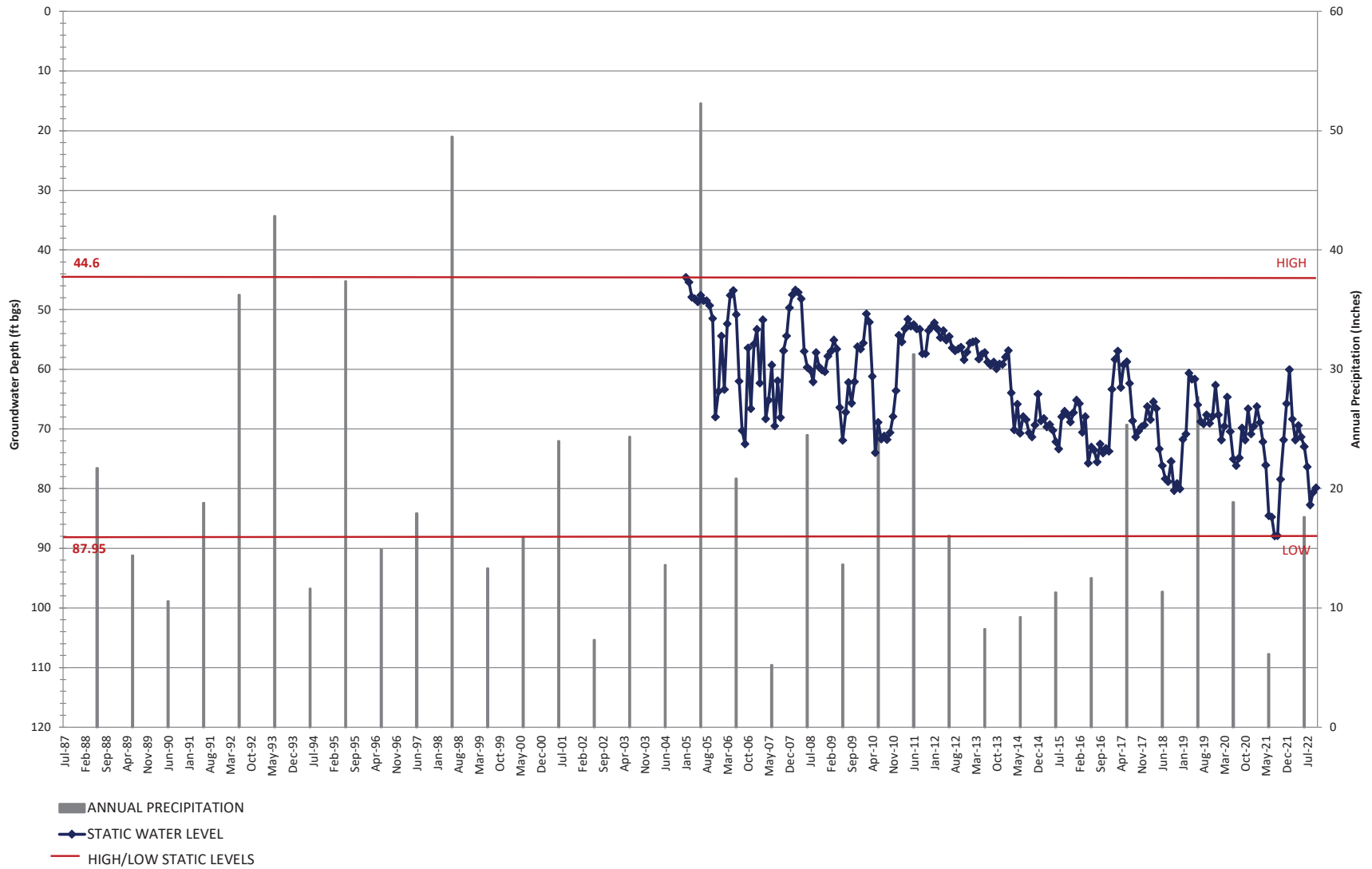
**SCV WATER WELL 207**  
 STATIC WATER LEVEL VS PRECIPITATION



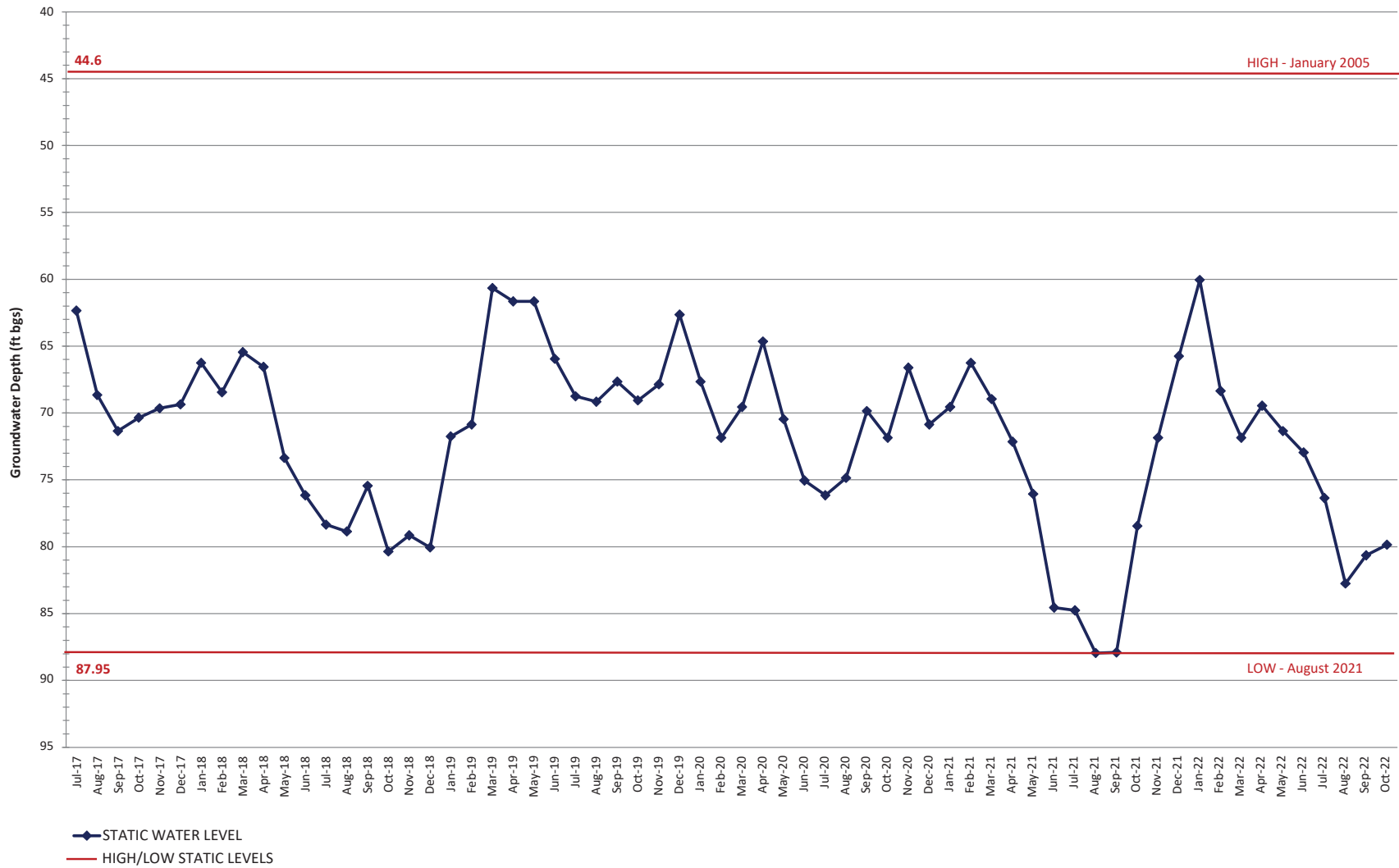
**SCV WATER WELL 207**  
 STATIC WATER LEVEL



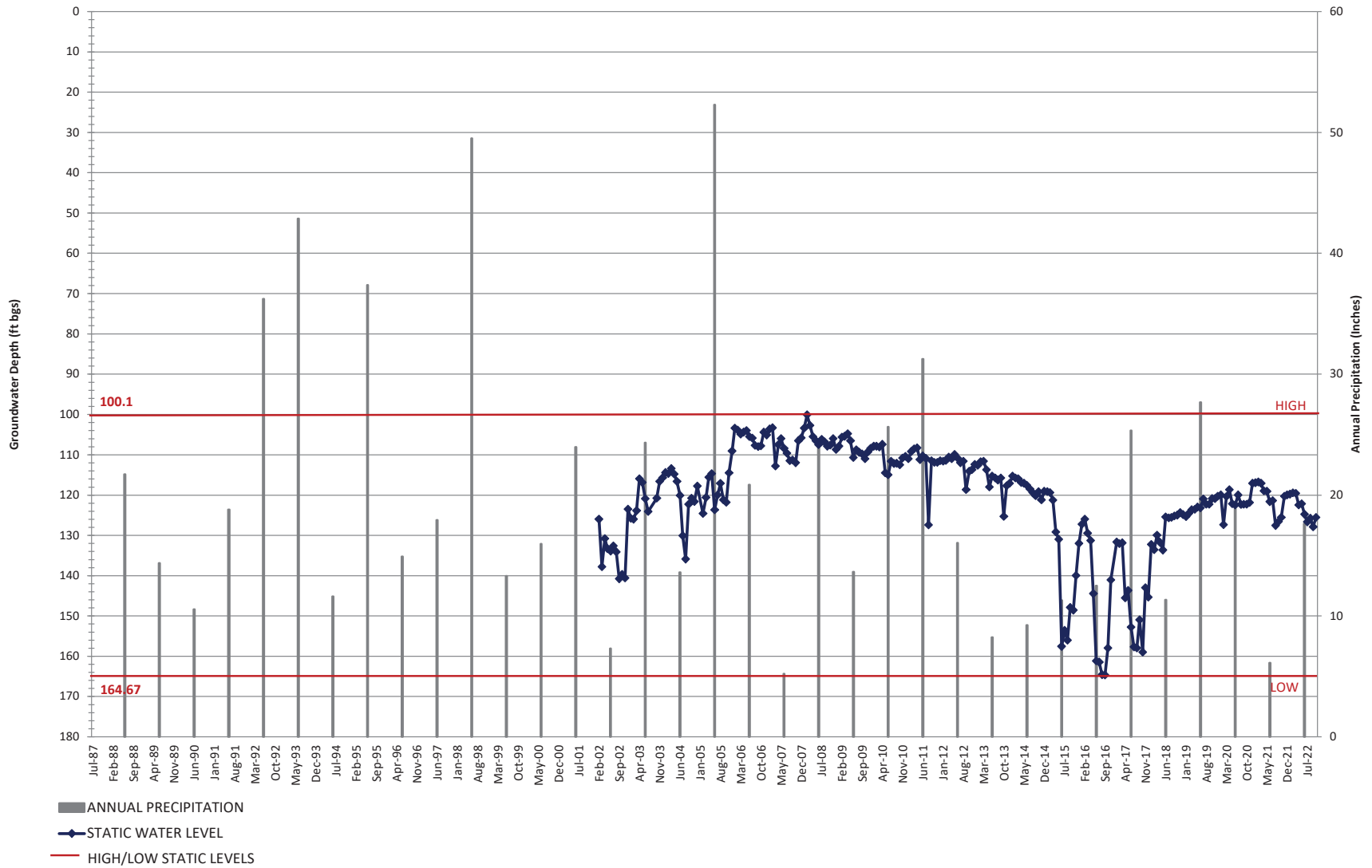
**SCV WATER WELL 206**  
 STATIC WATER LEVEL VS PRECIPITATION



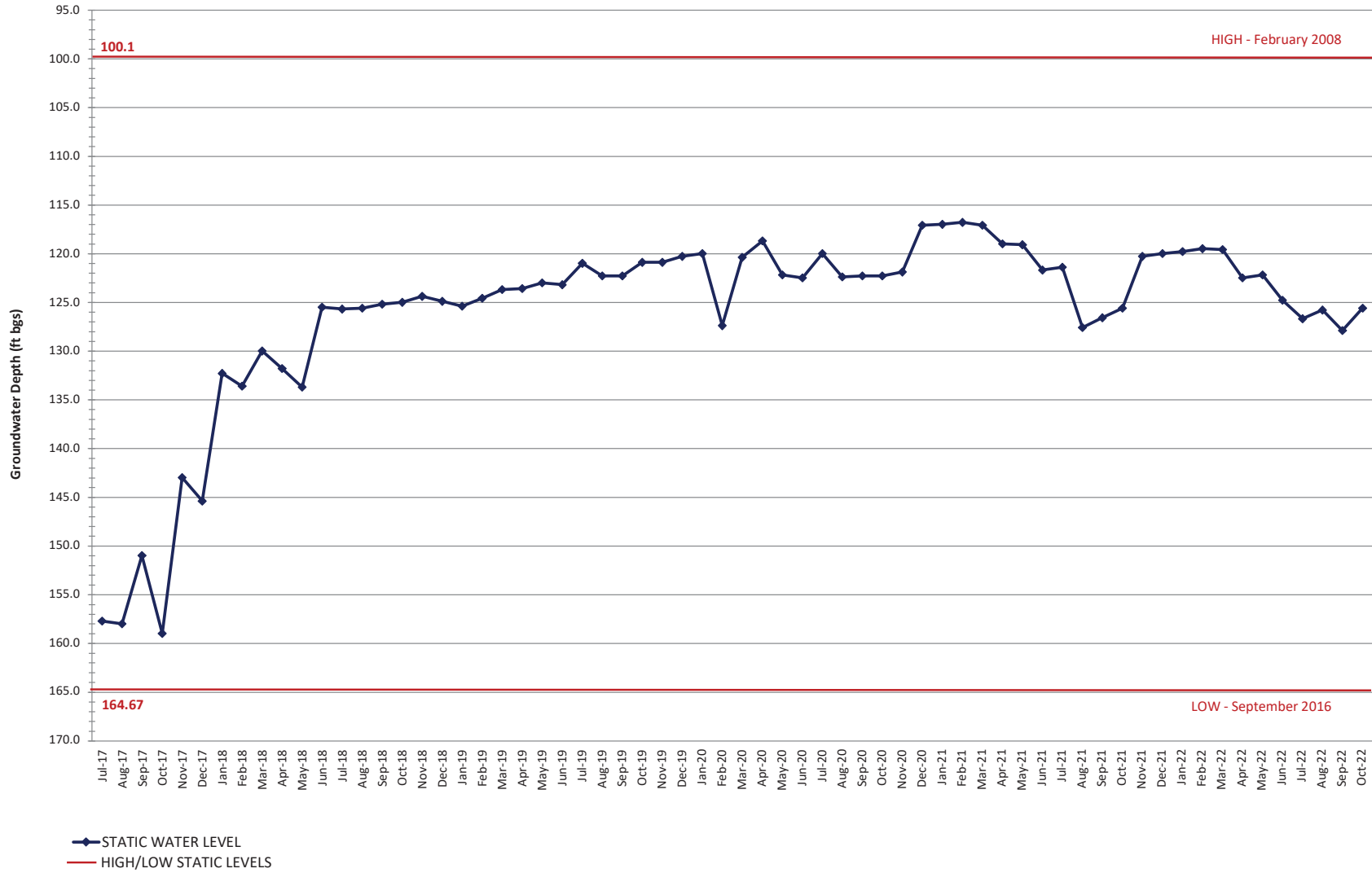
**SCV WATER WELL 206**  
 STATIC WATER LEVEL



**SCV WATER WELL 159**  
 STATIC WATER LEVEL VS PRECIPITATION

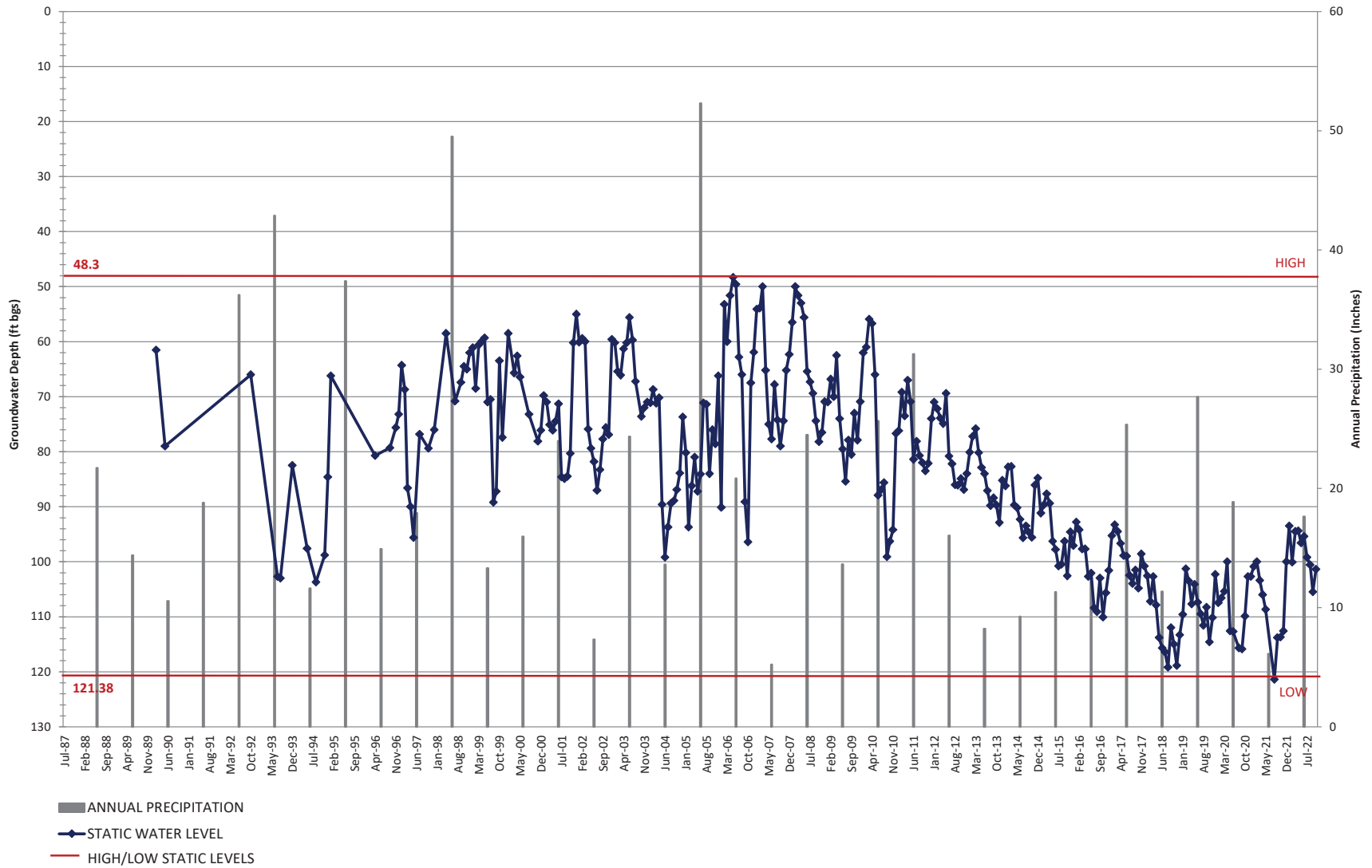


**SCV WATER WELL 159**  
 STATIC WATER LEVEL

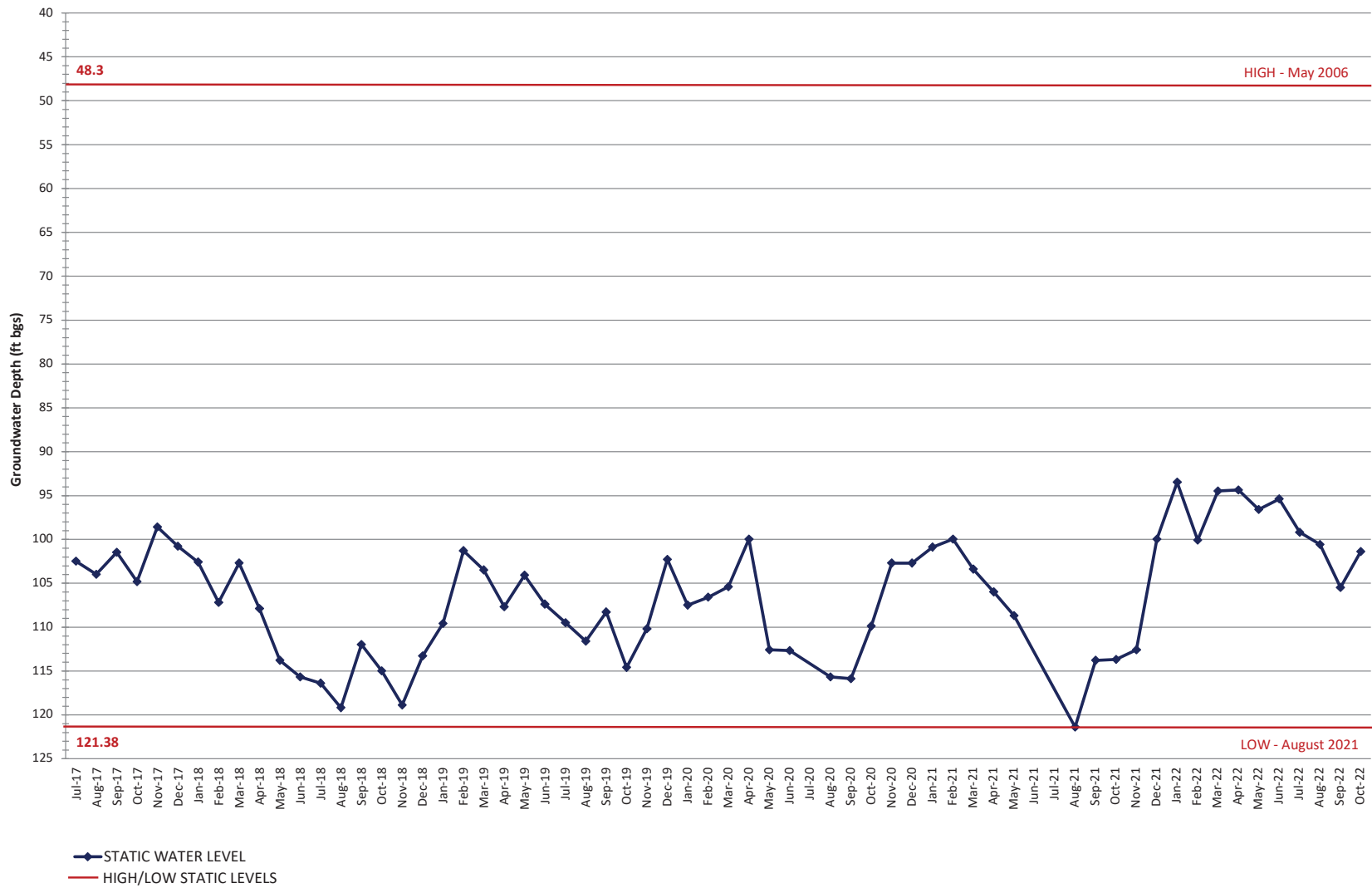




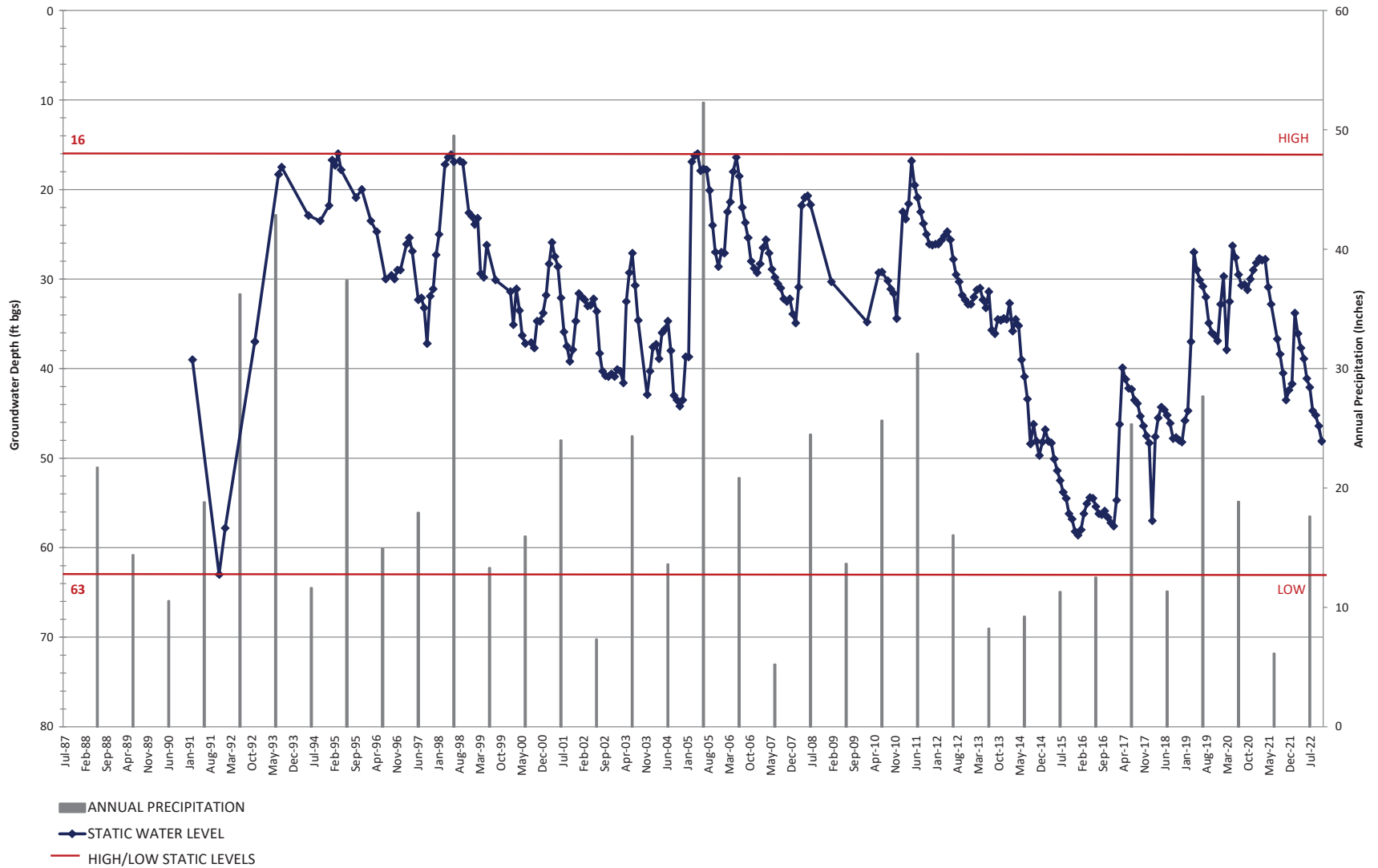
**SCV WATER WELL 160**  
 STATIC WATER LEVEL VS PRECIPITATION



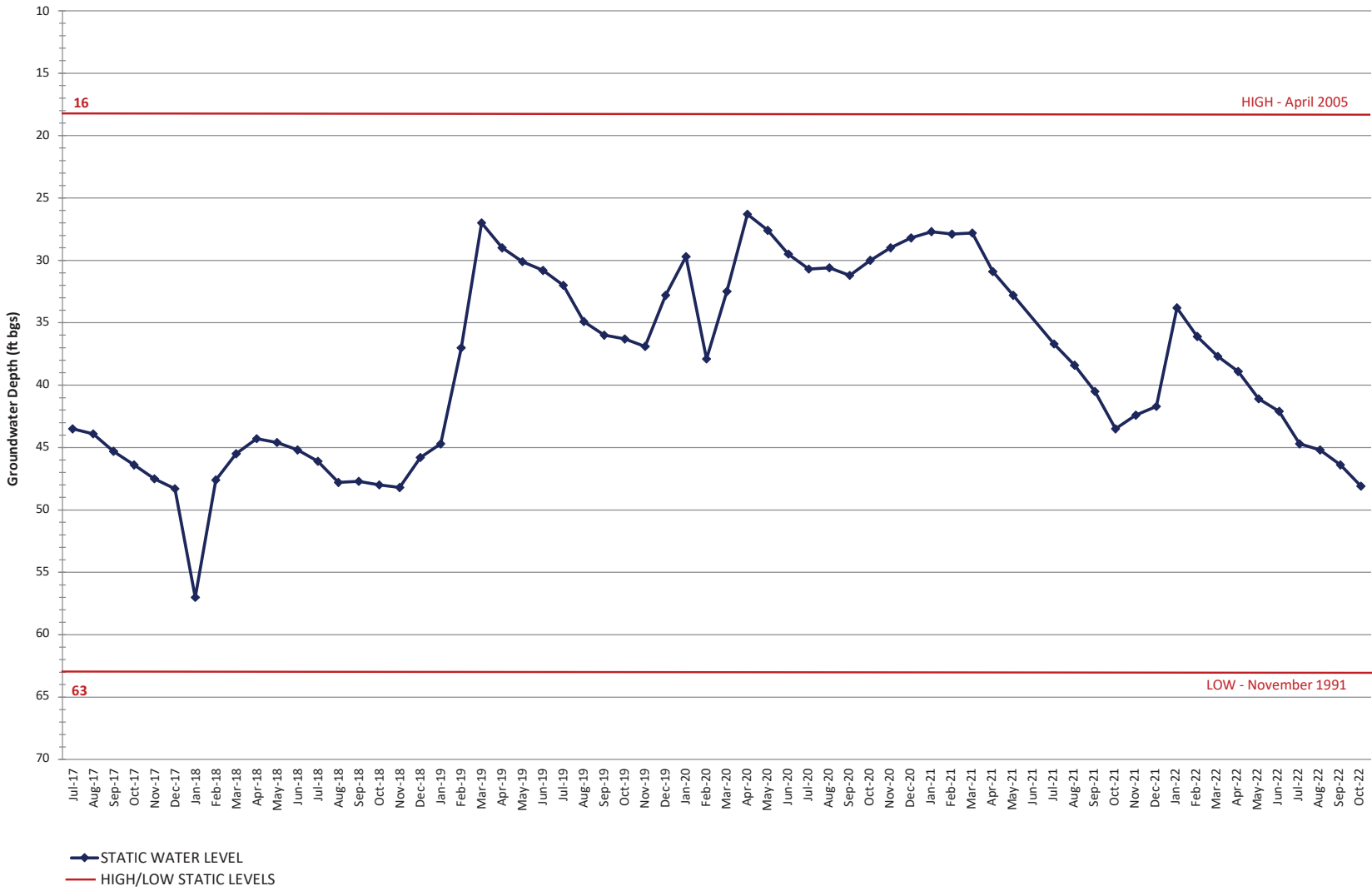
**SCV WATER WELL 160**  
 STATIC WATER LEVEL



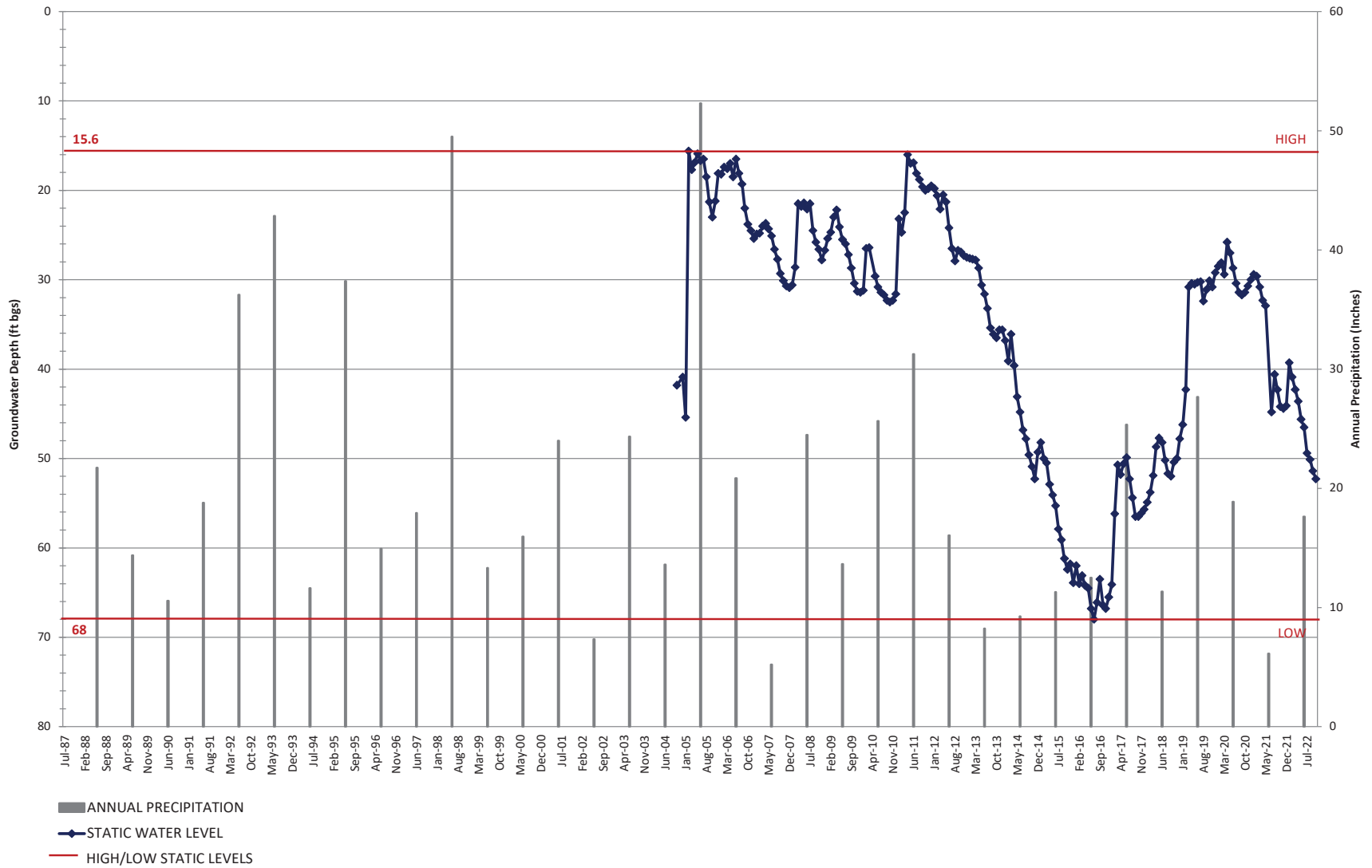
**SCV WATER WELL W9**  
 STATIC WATER LEVEL VS PRECIPITATION



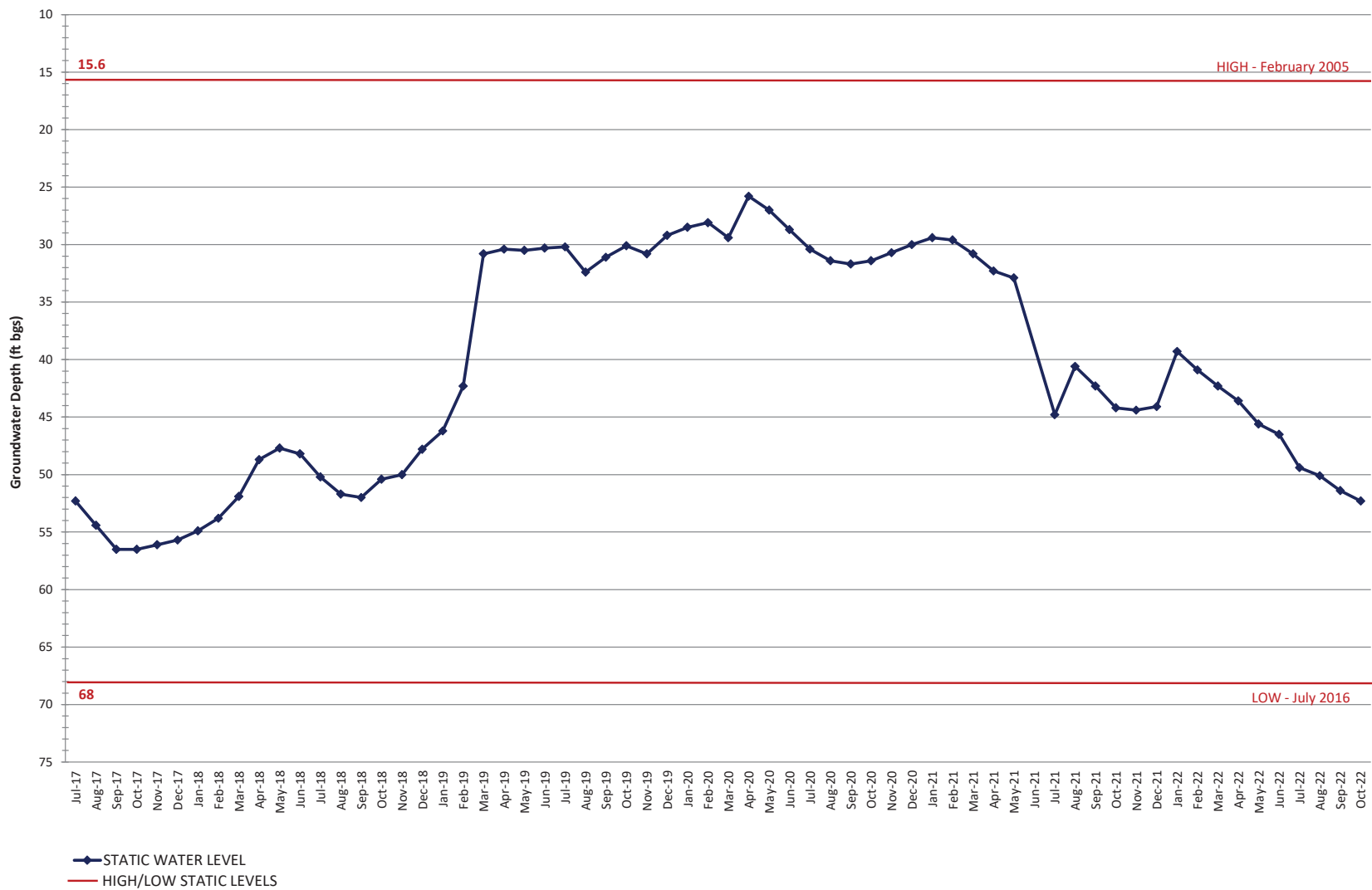
**SCV WATER WELL W9**  
*STATIC WATER LEVEL*



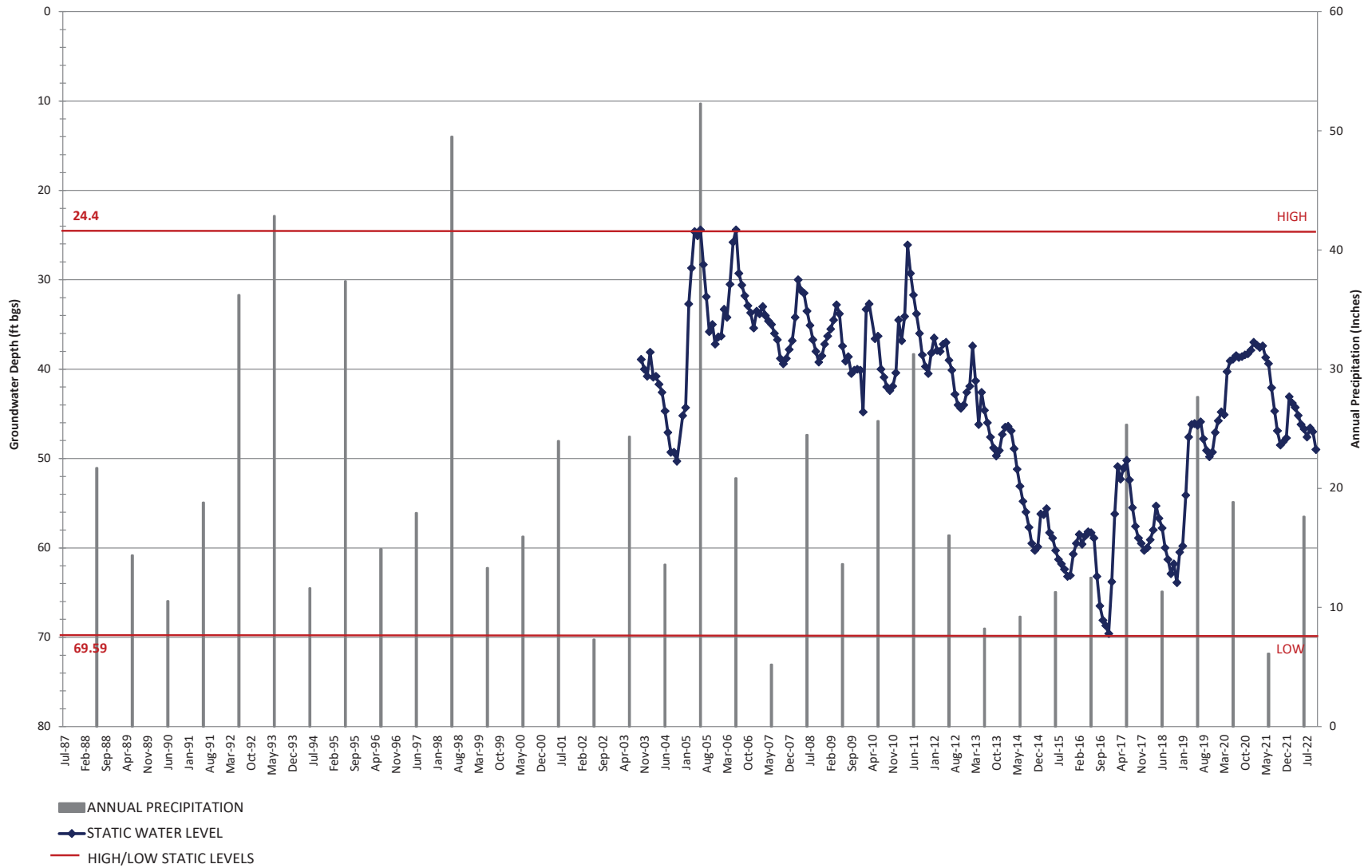
**SCV WATER WELL W11**  
 STATIC WATER LEVEL VS PRECIPITATION



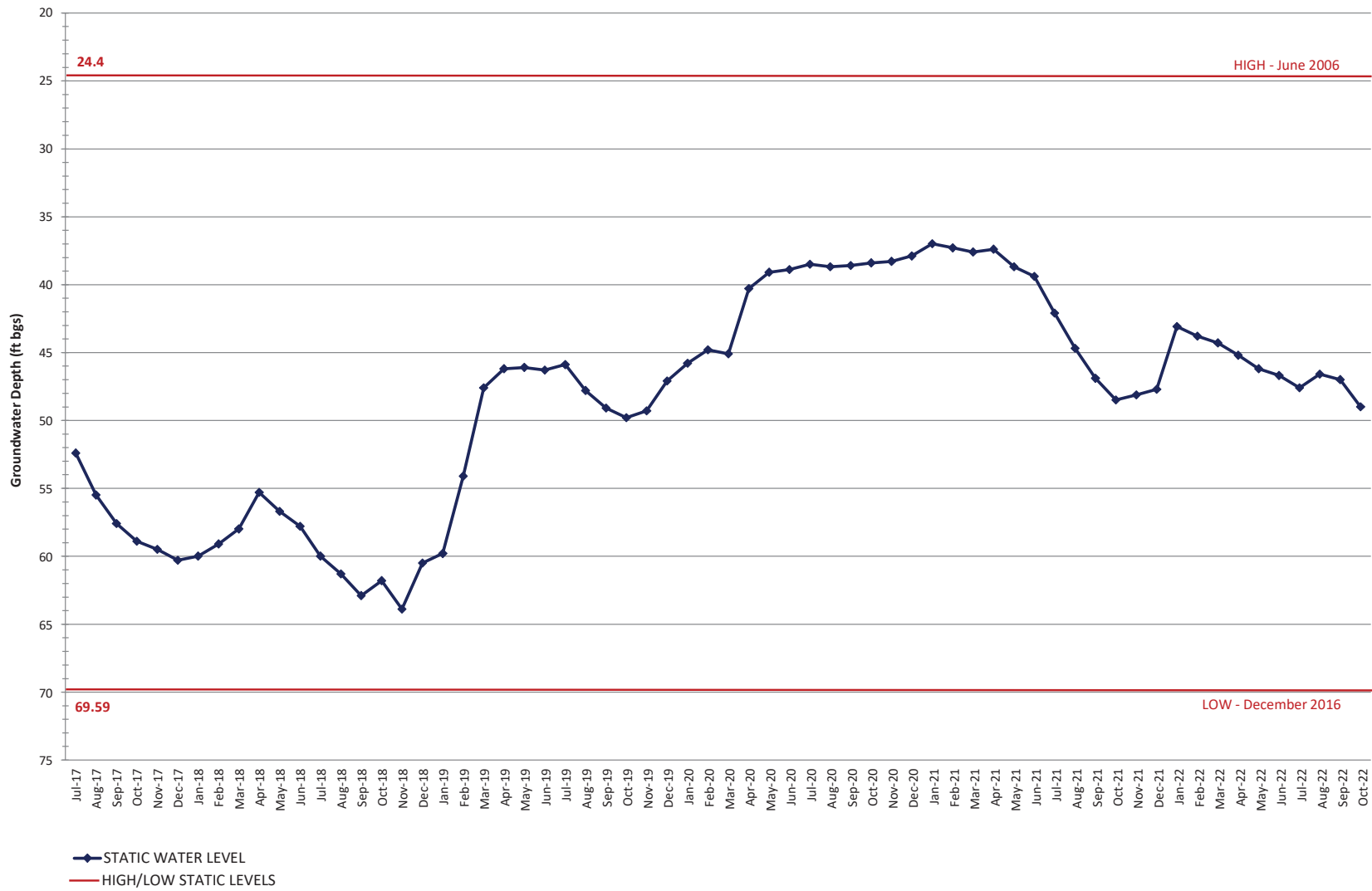
**SCV WATER WELL W11**  
 STATIC WATER LEVEL



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

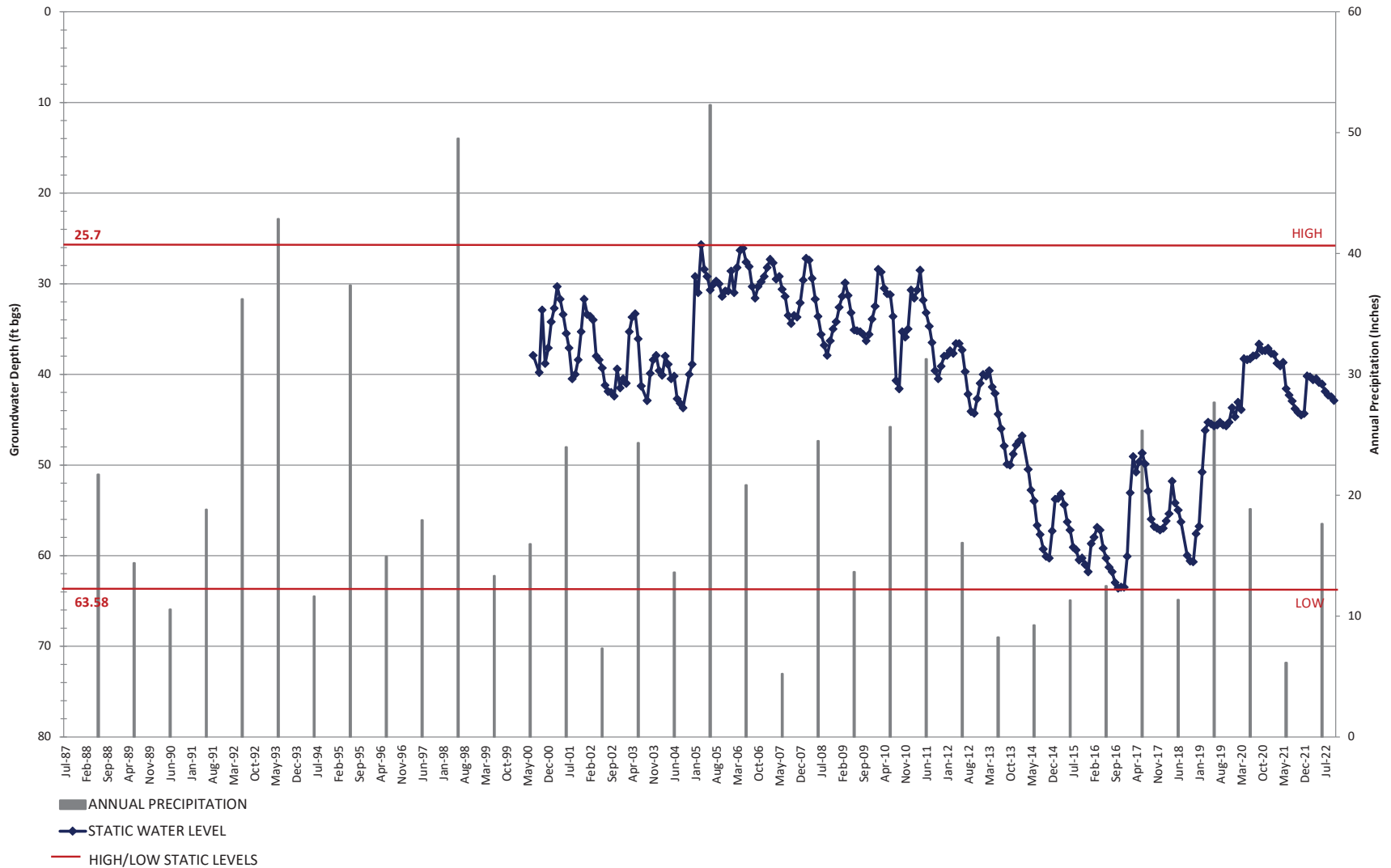


**SCV WATER WELL W10**  
 STATIC WATER LEVEL

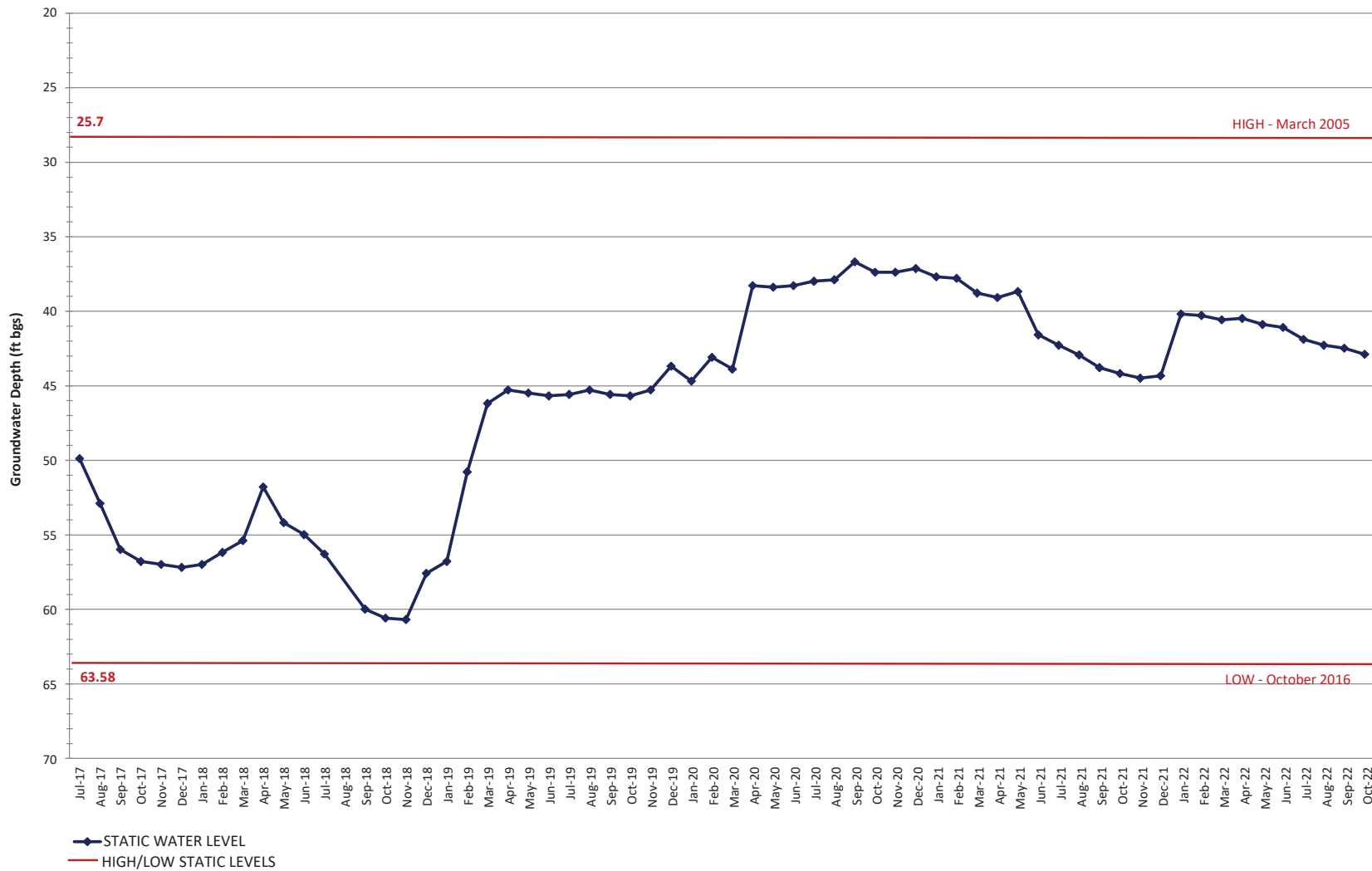




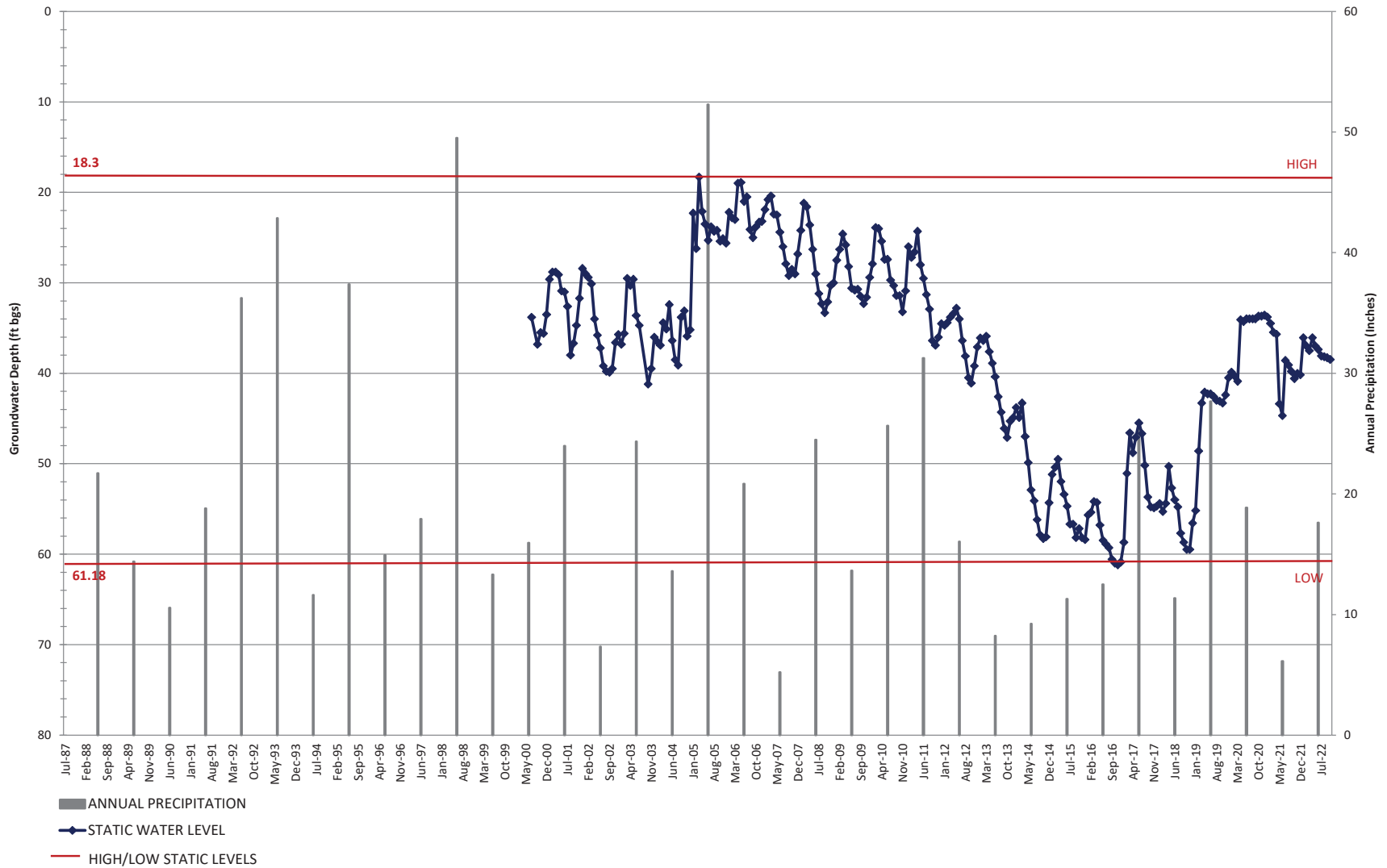
**SCV WATER WELL S6**  
 STATIC WATER LEVEL VS PRECIPITATION



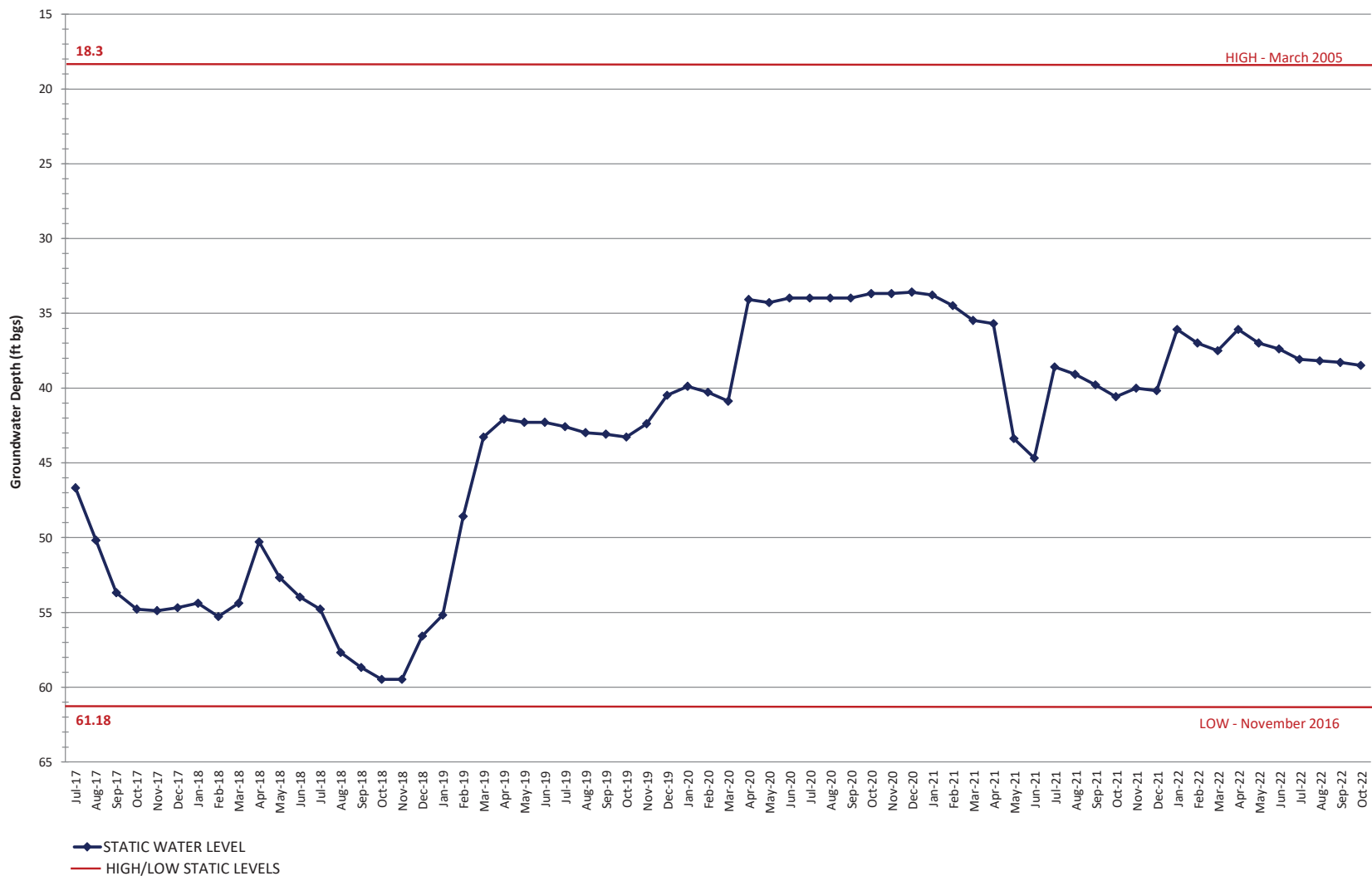
**SCV WATER WELL S6**  
*STATIC WATER LEVEL*



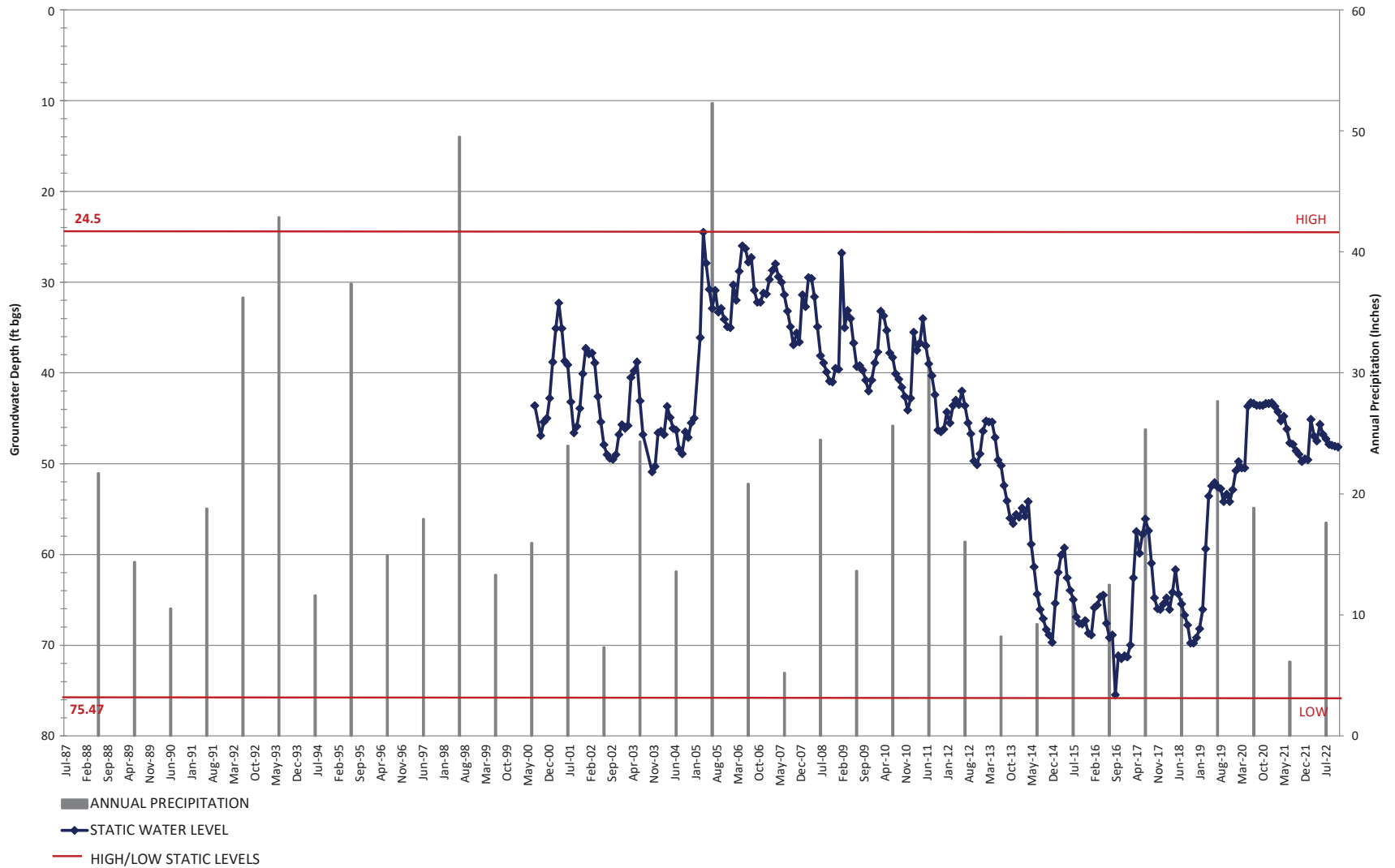
**SCV WATER WELL S7**  
 STATIC WATER LEVEL VS PRECIPITATION



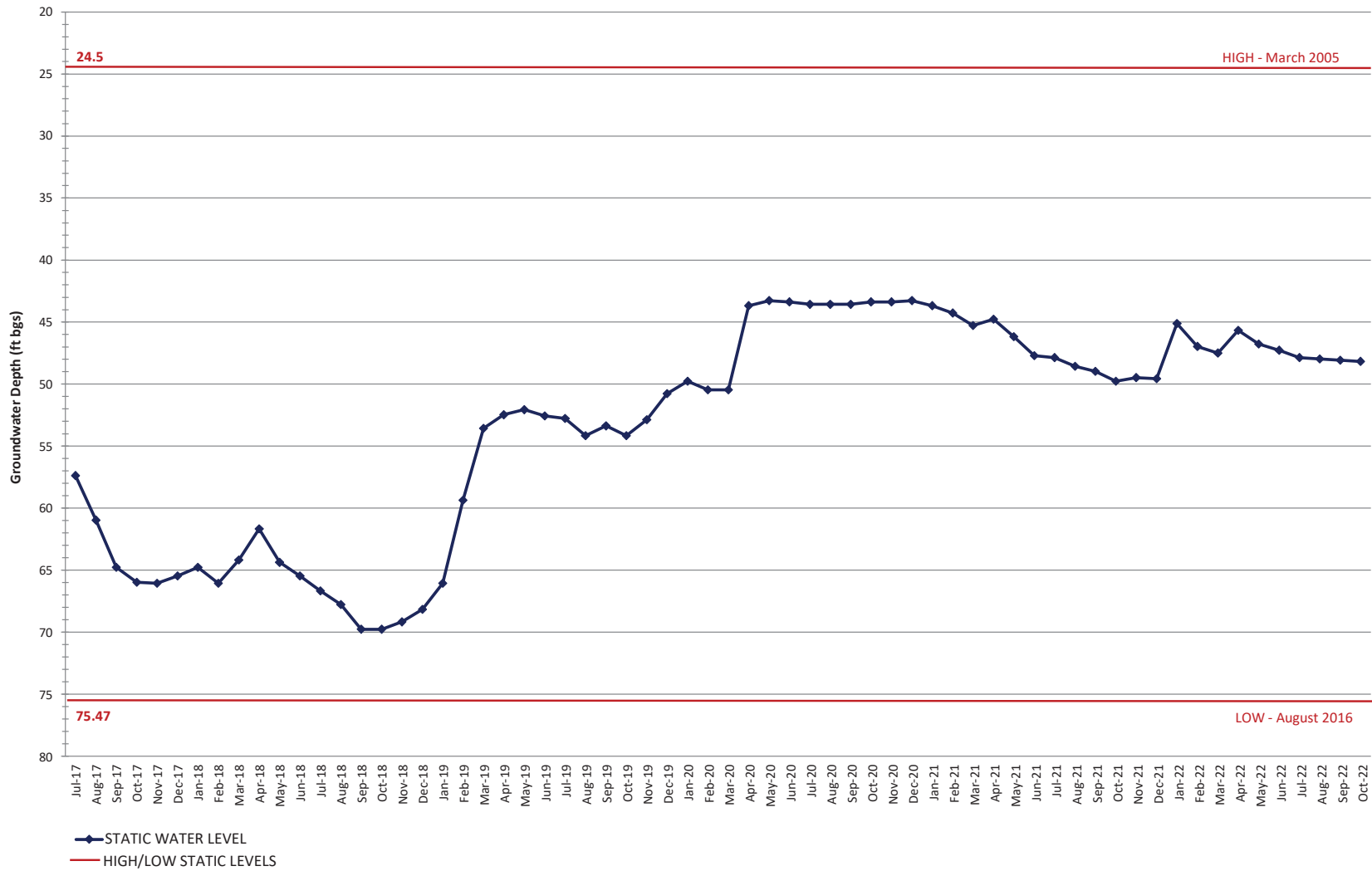
**SCV WATER WELL S7**  
 STATIC WATER LEVEL



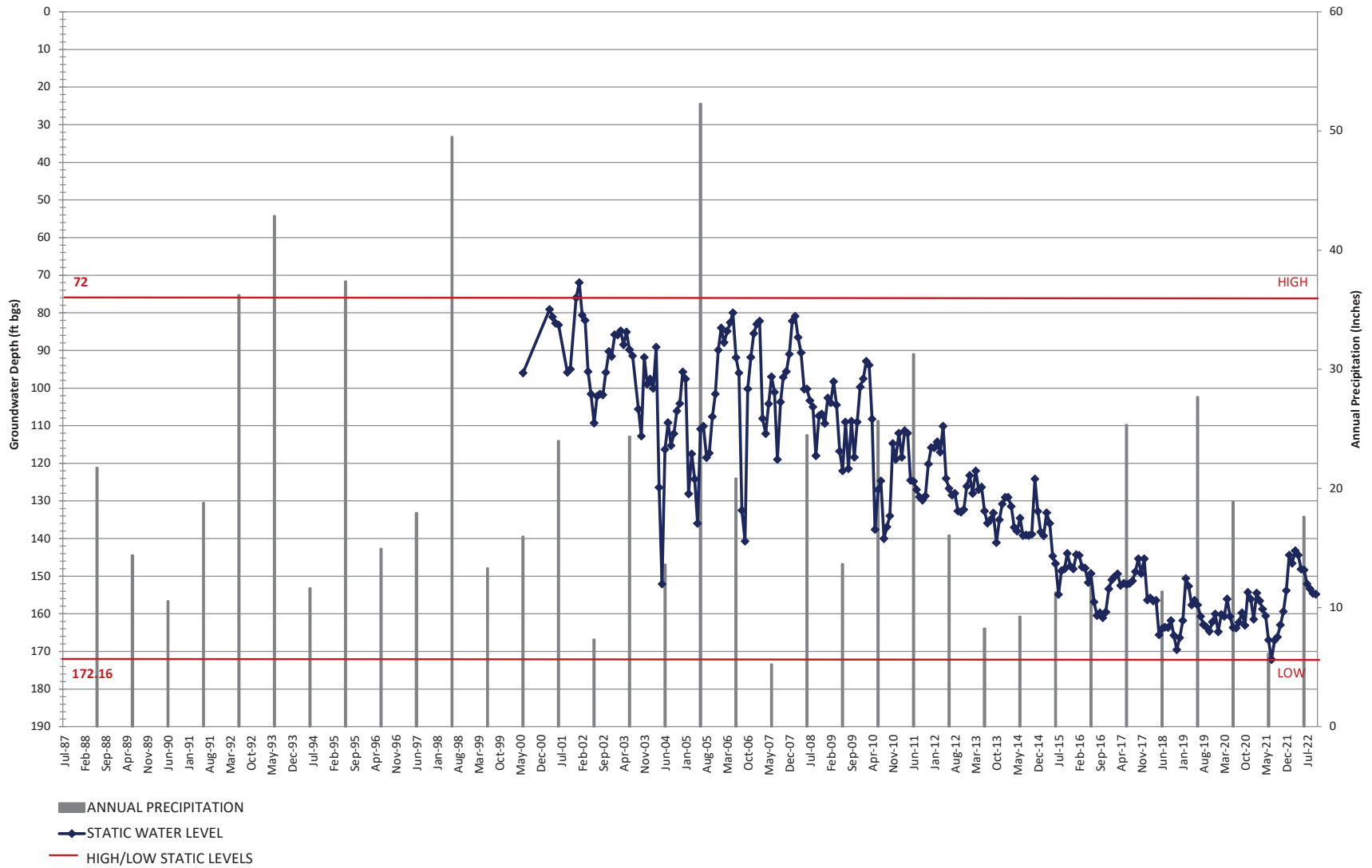
**SCV WATER WELL S8**  
 STATIC WATER LEVEL VS PRECIPITATION



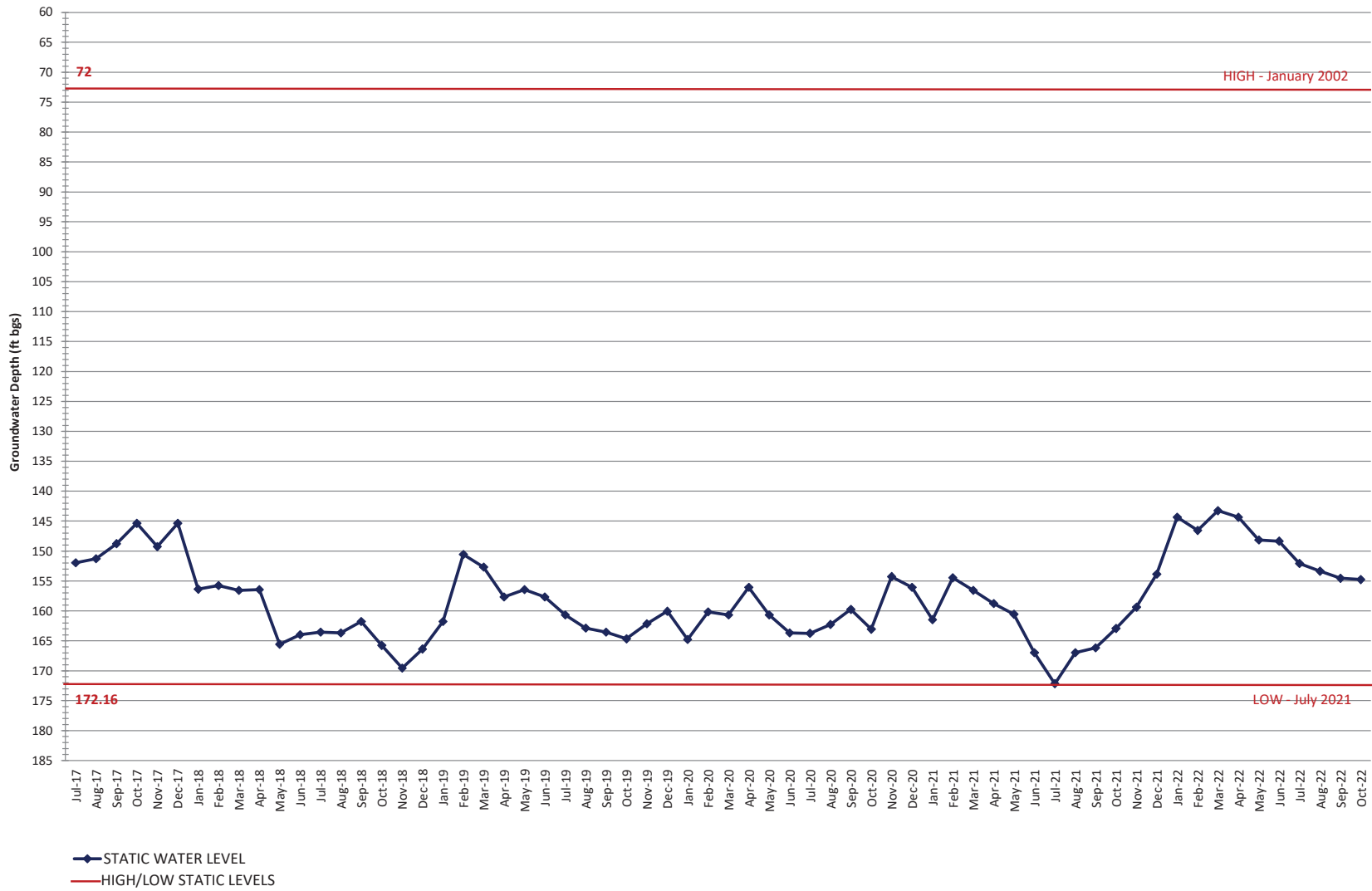
**SCV WATER WELL S8**  
 STATIC WATER LEVEL



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

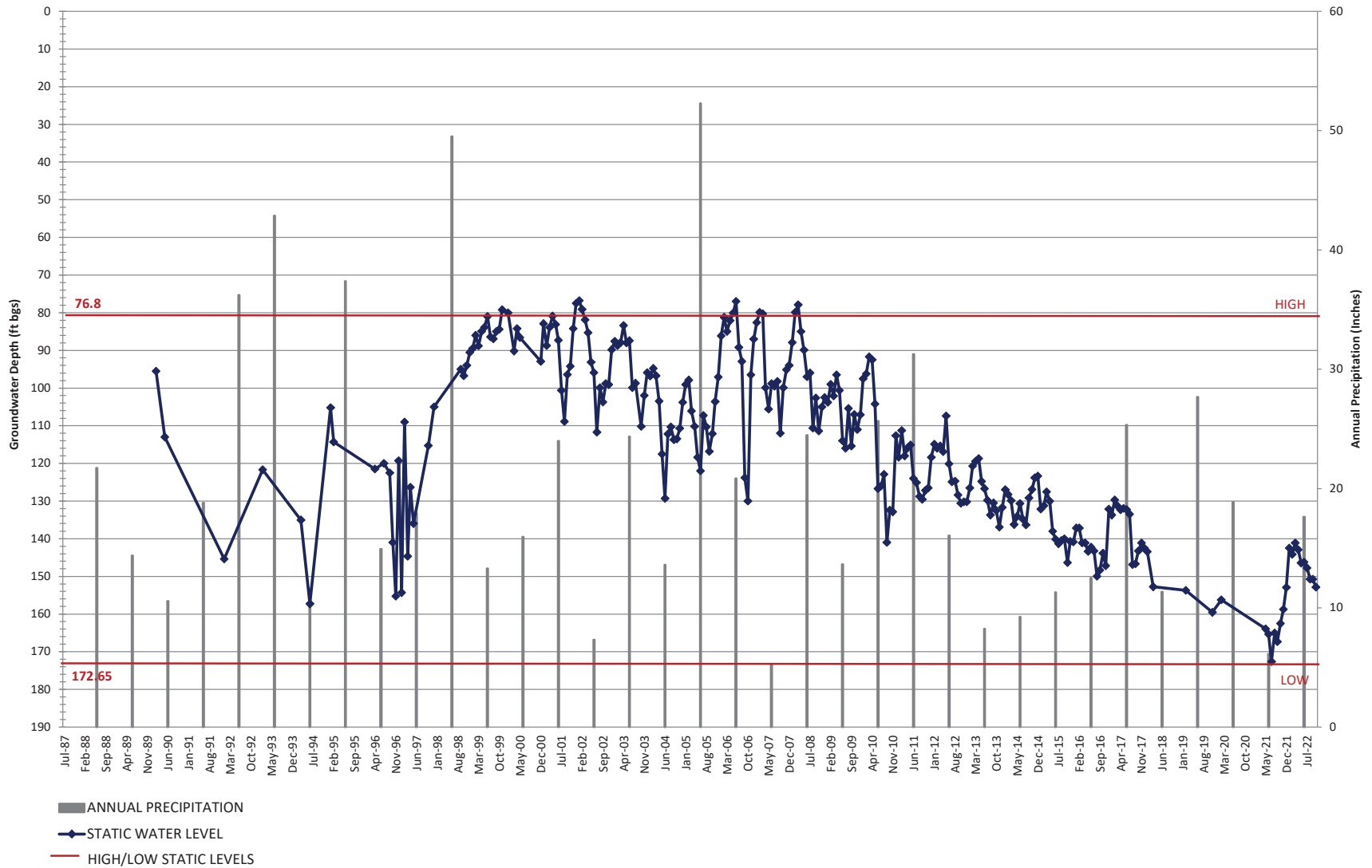


**SCV WATER WELL 205**  
 STATIC WATER LEVEL

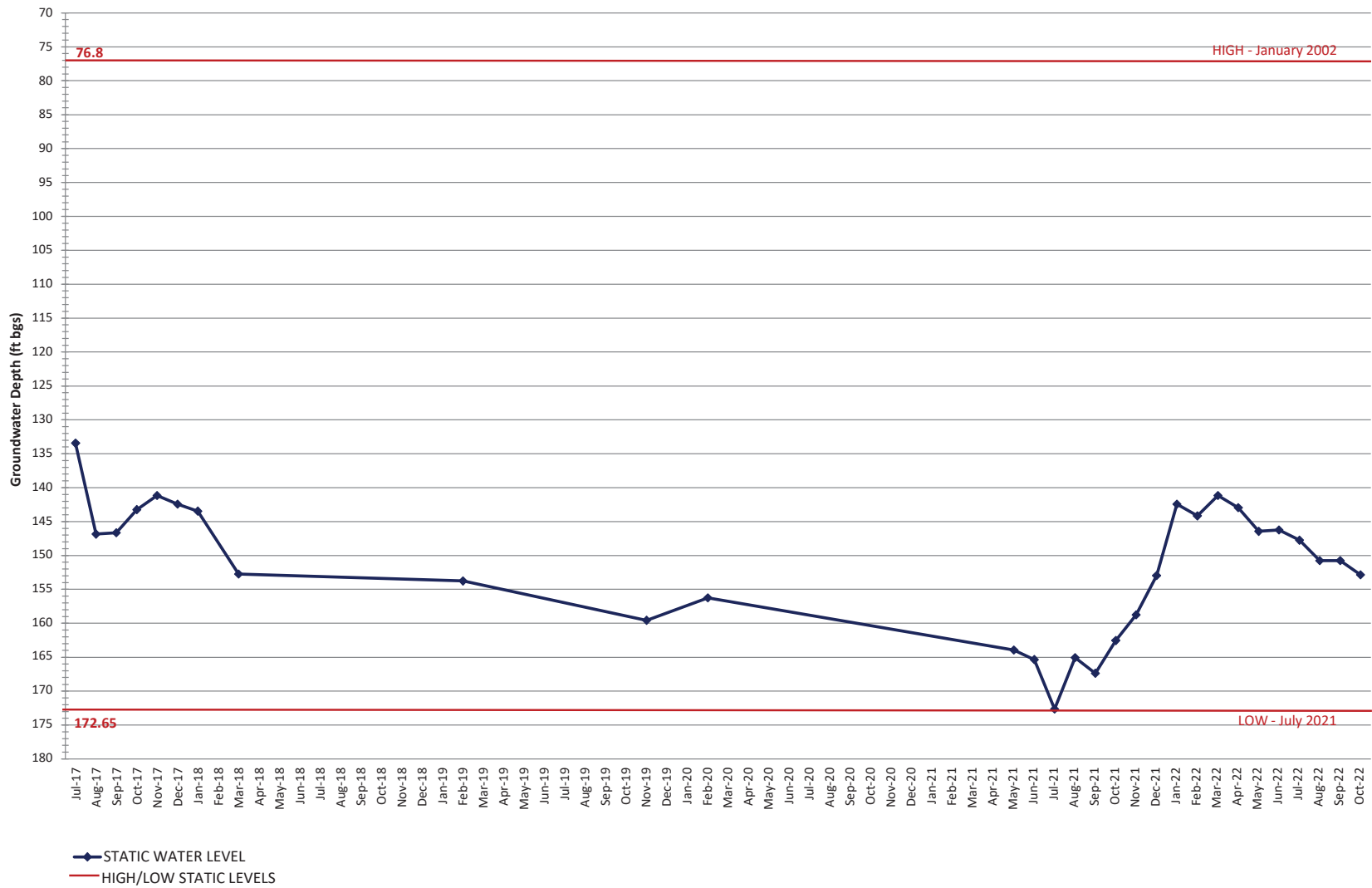




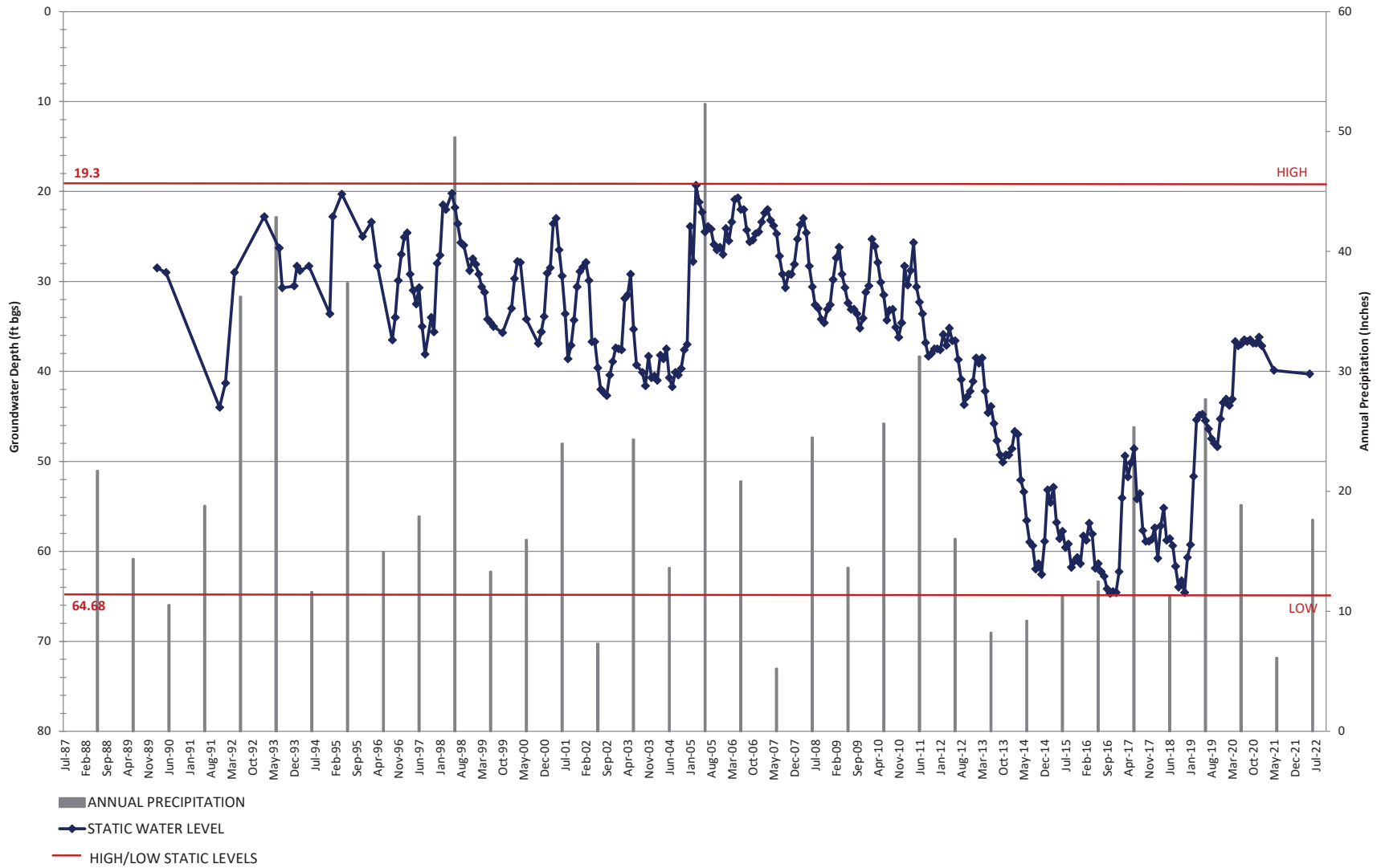
**SCV WATER WELL 201**  
 STATIC WATER LEVEL VS PRECIPITATION



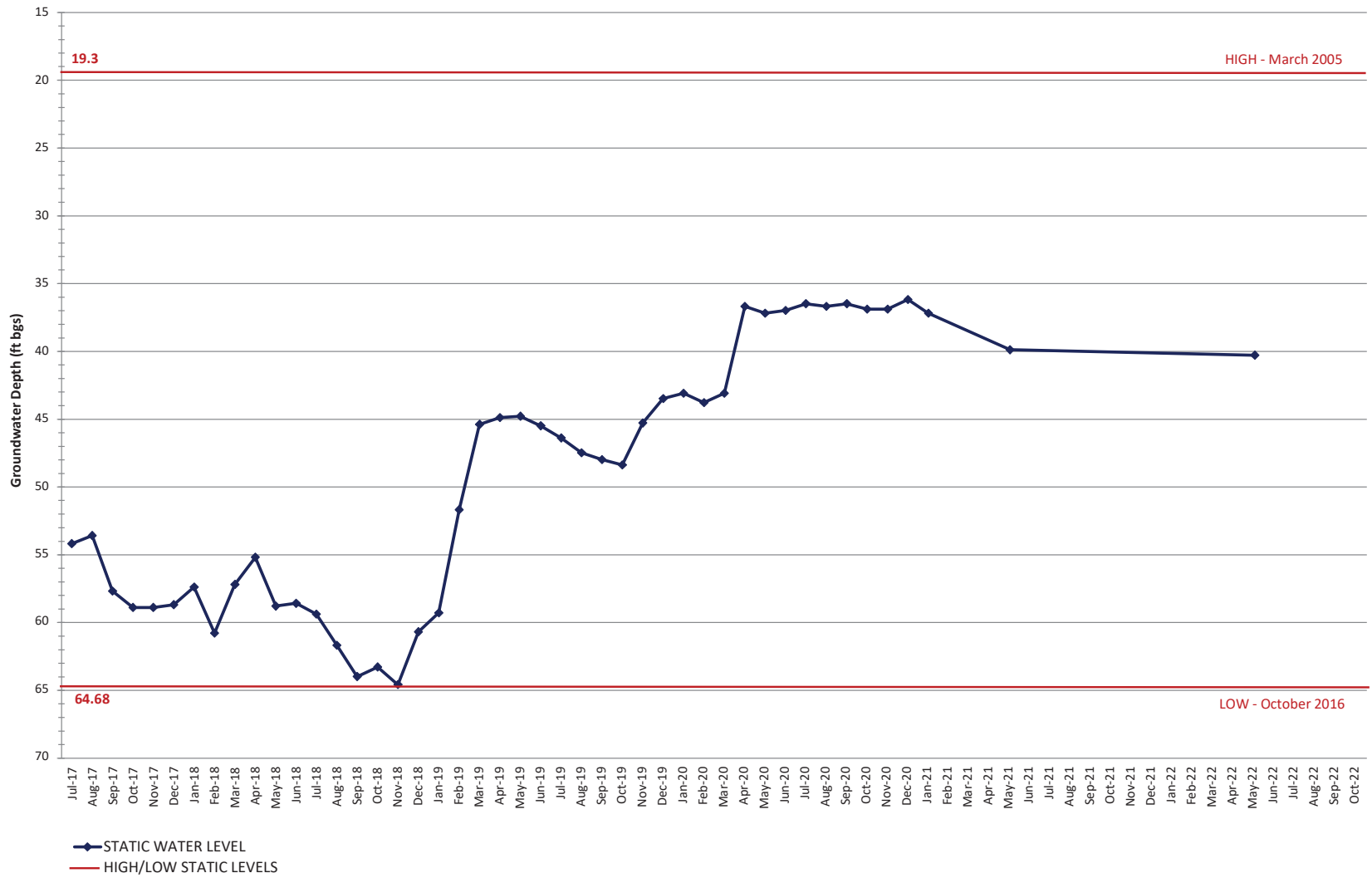
**SCV WATER WELL 201**  
 STATIC WATER LEVEL



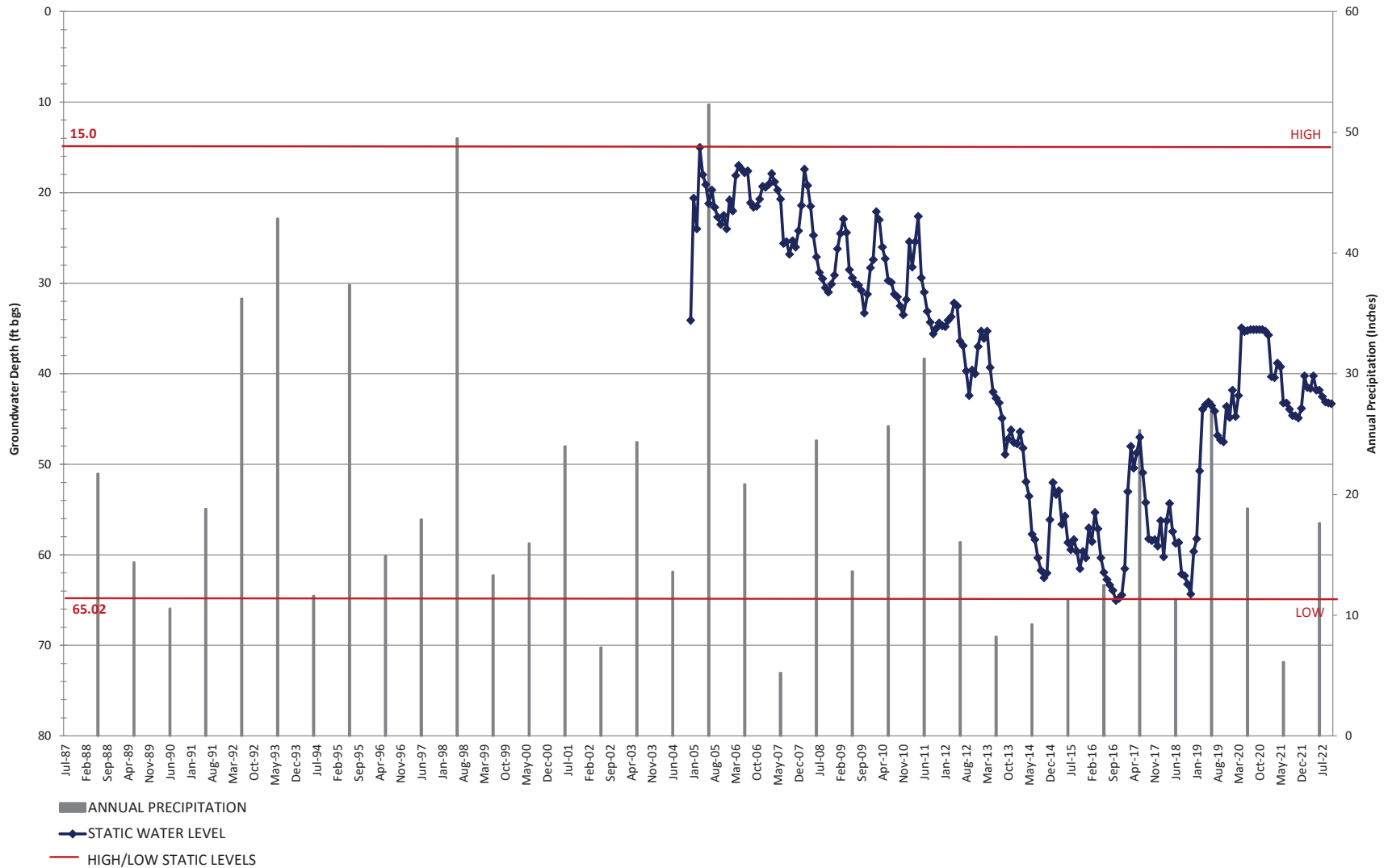
**SCV WATER WELL N**  
 STATIC WATER LEVEL VS PRECIPITATION



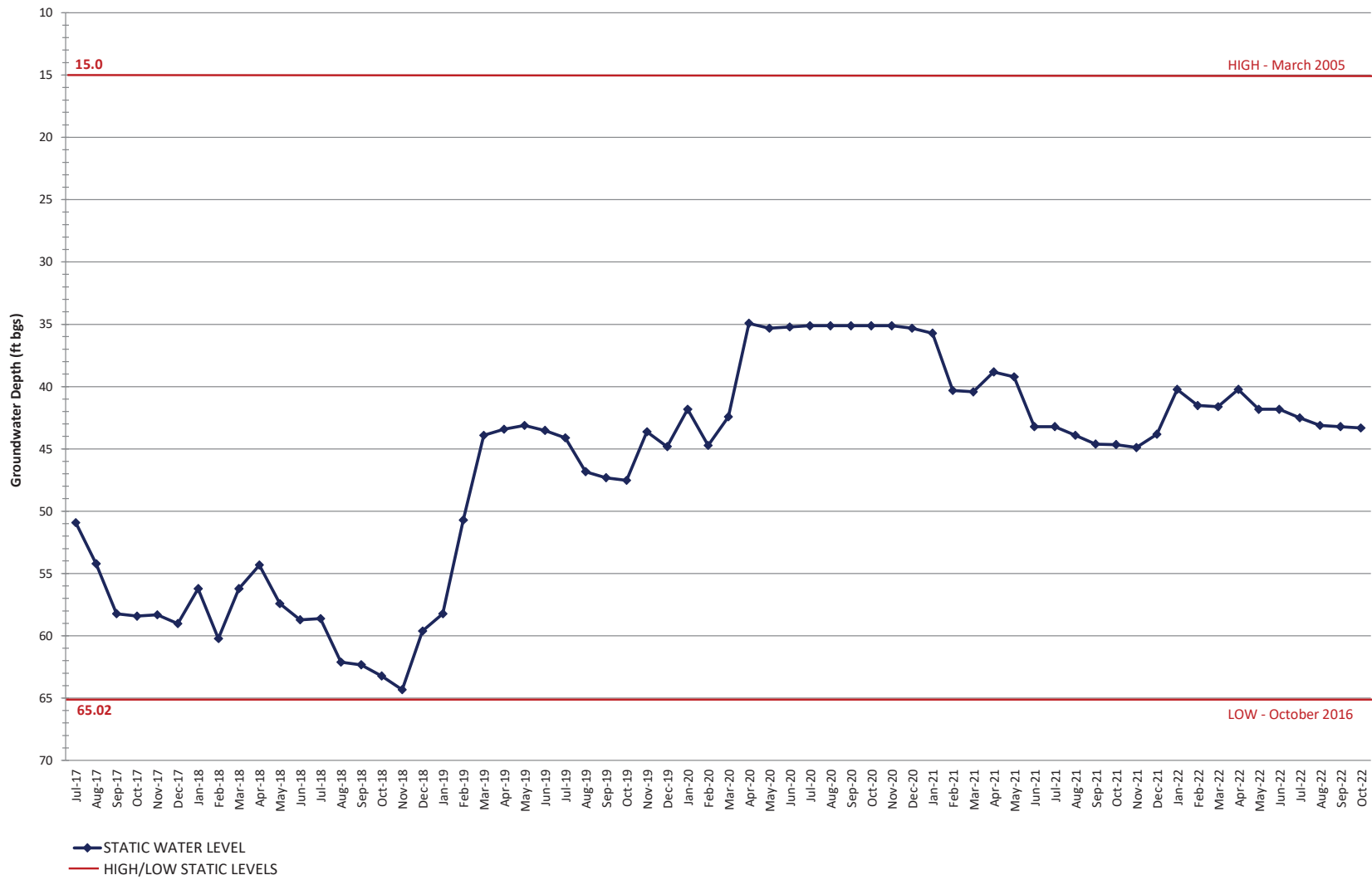
**SCV WATER WELL N**  
**STATIC WATER LEVEL**



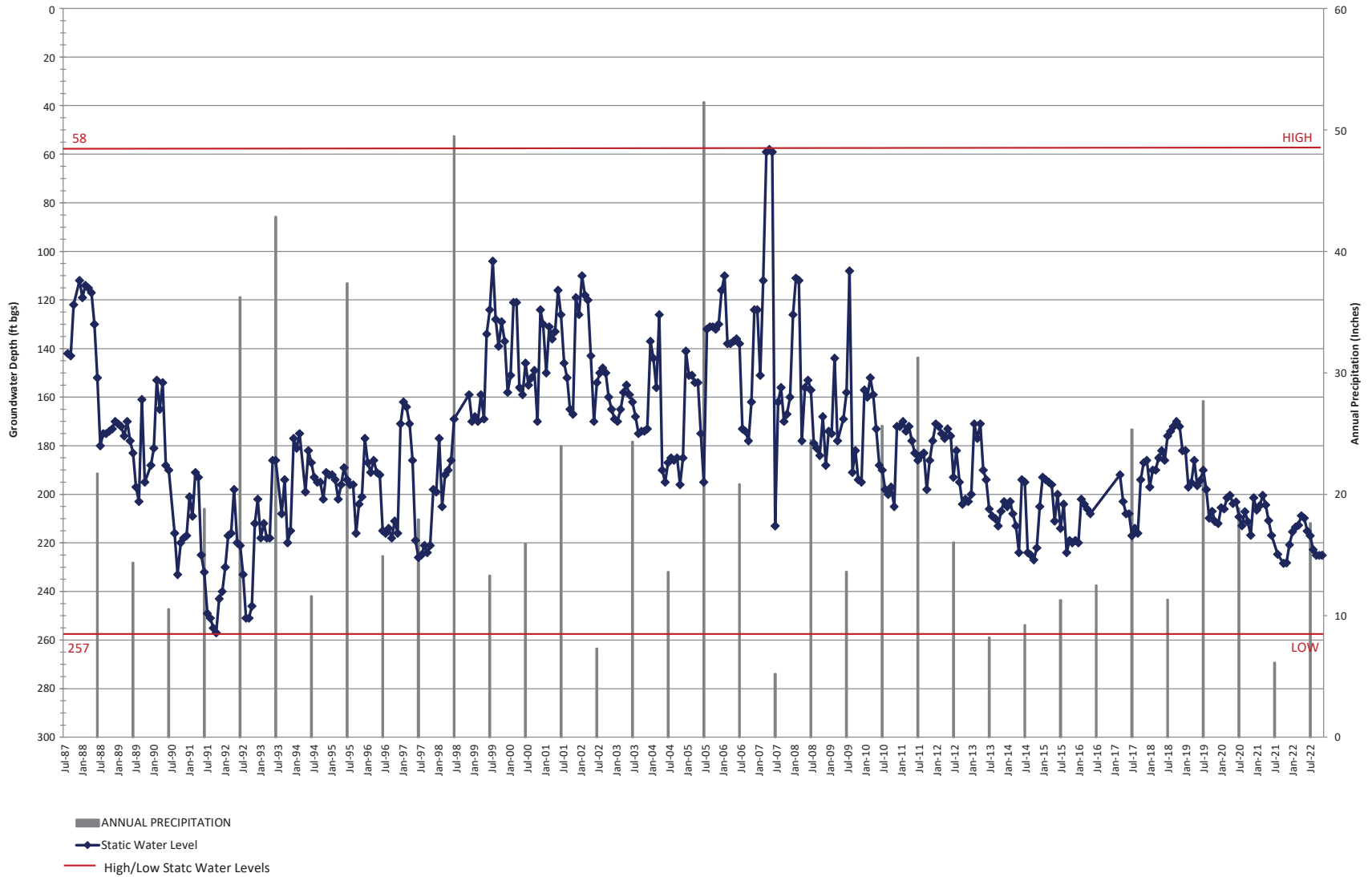
**SCV WATER WELL N7**  
 STATIC WATER LEVEL VS PRECIPITATION



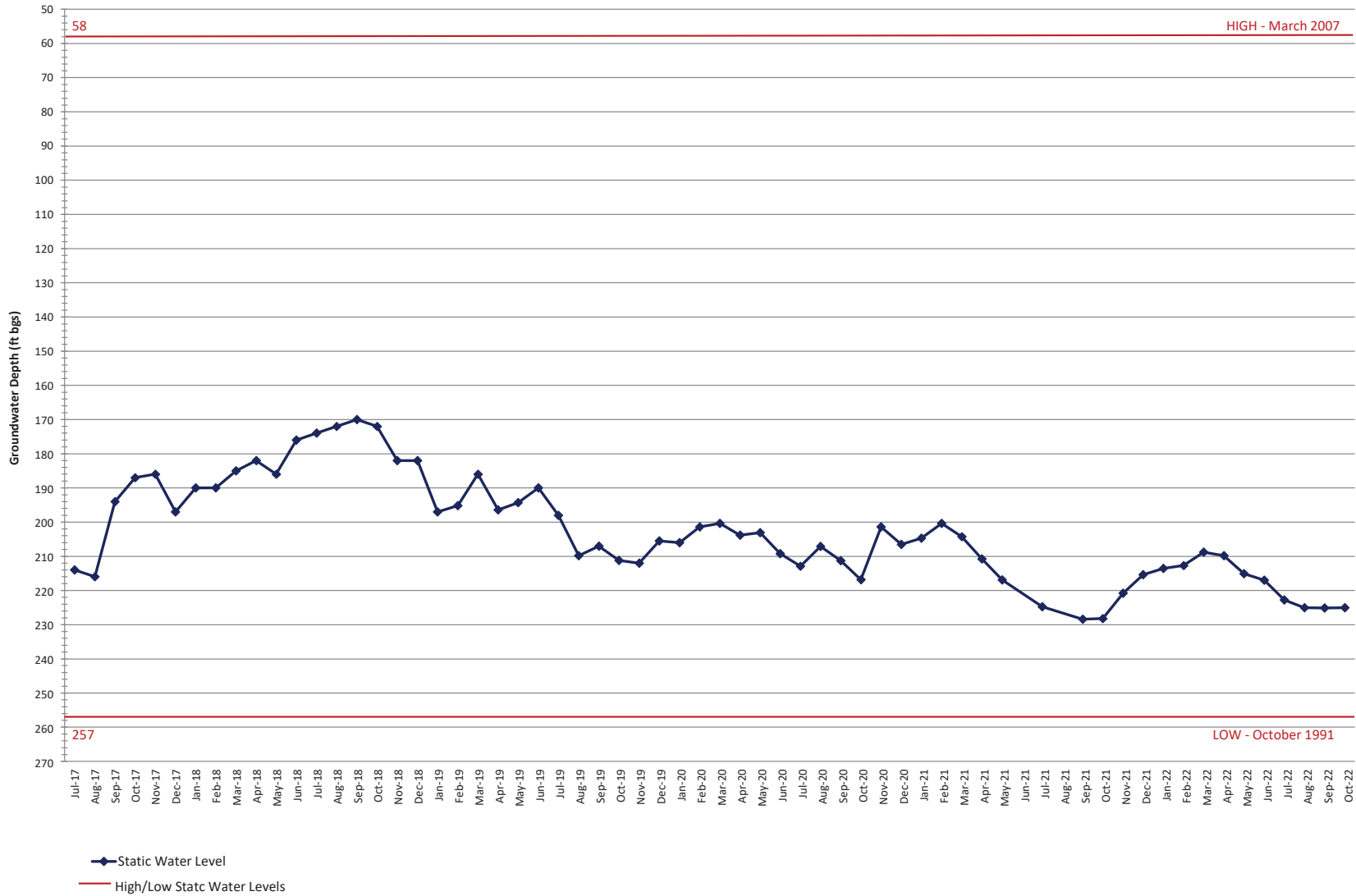
**SCV WATER WELL N7**  
**STATIC WATER LEVEL**



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

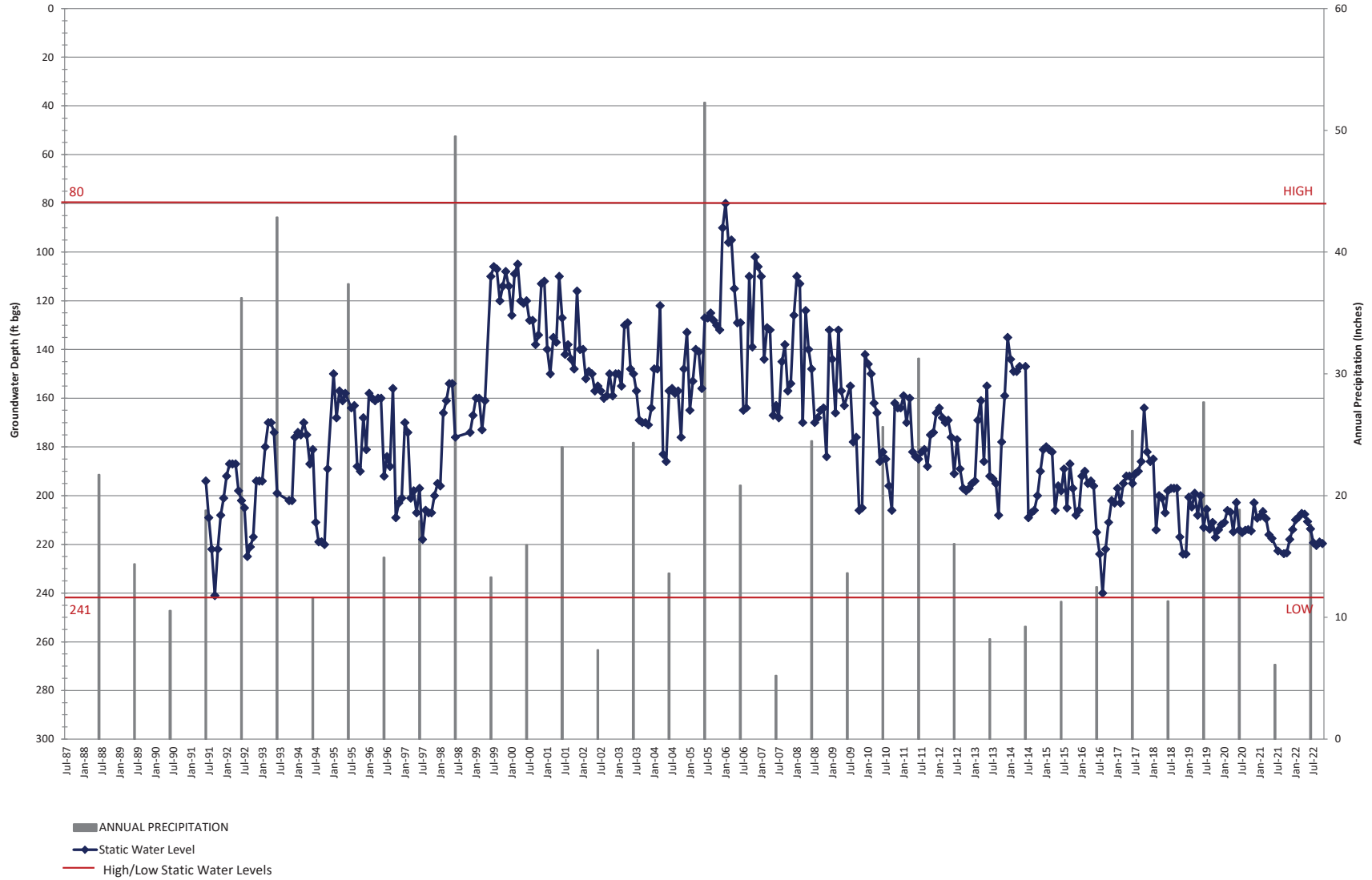


**SCV WATER WELL N12**  
 STATIC WATER LEVEL

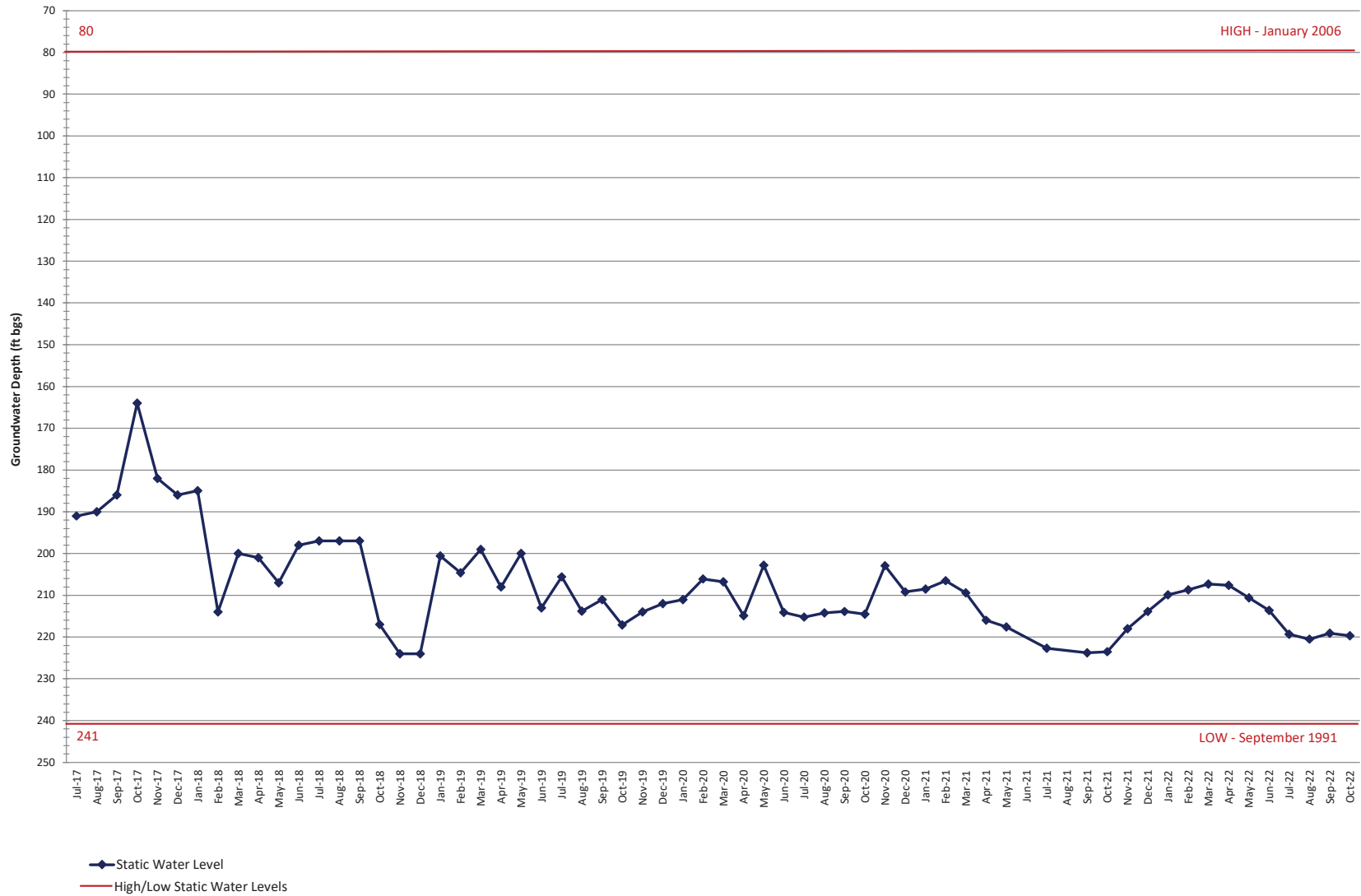




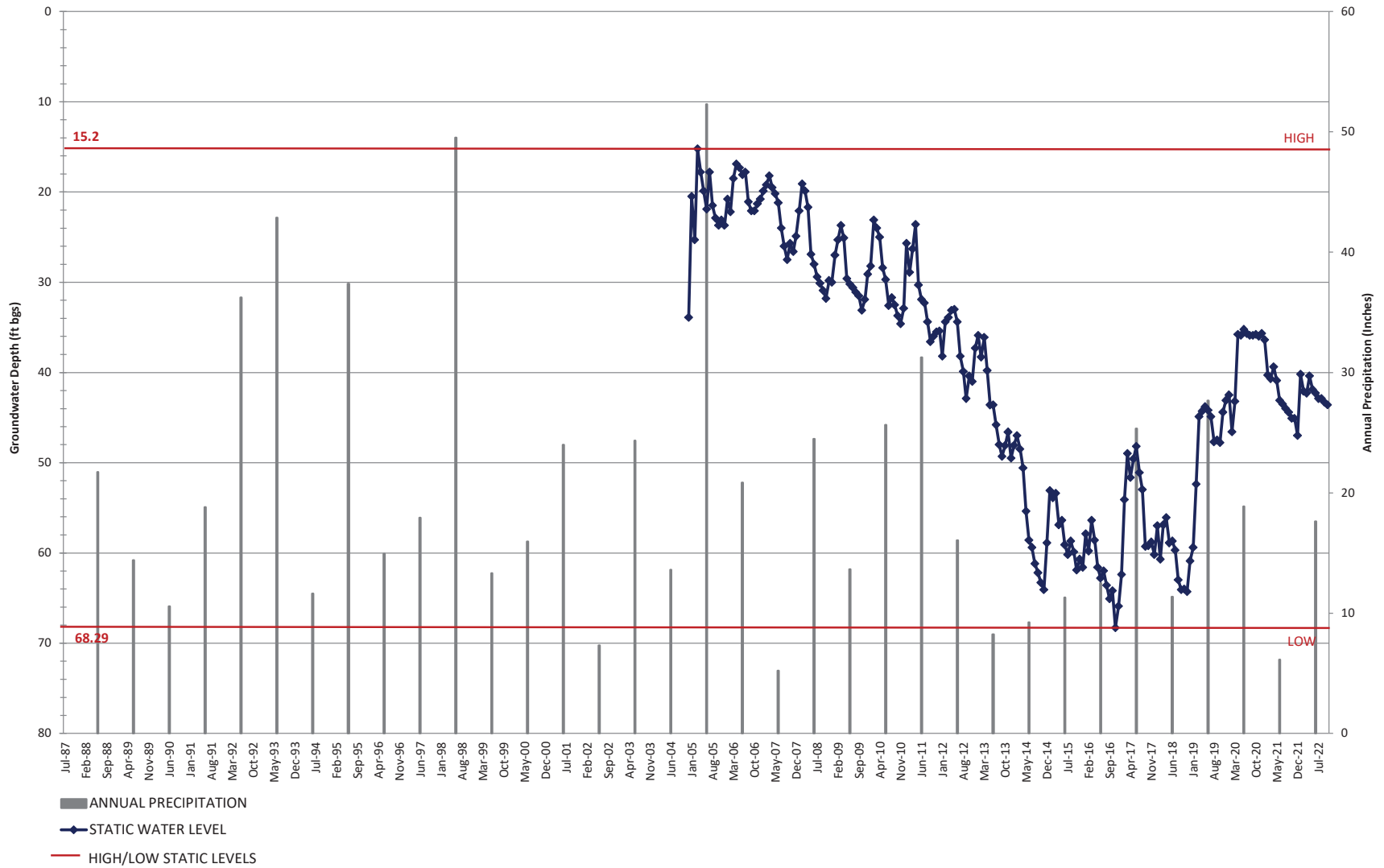
**SCV WATER WELL N13**  
 STATIC WATER LEVEL VS PRECIPITATION



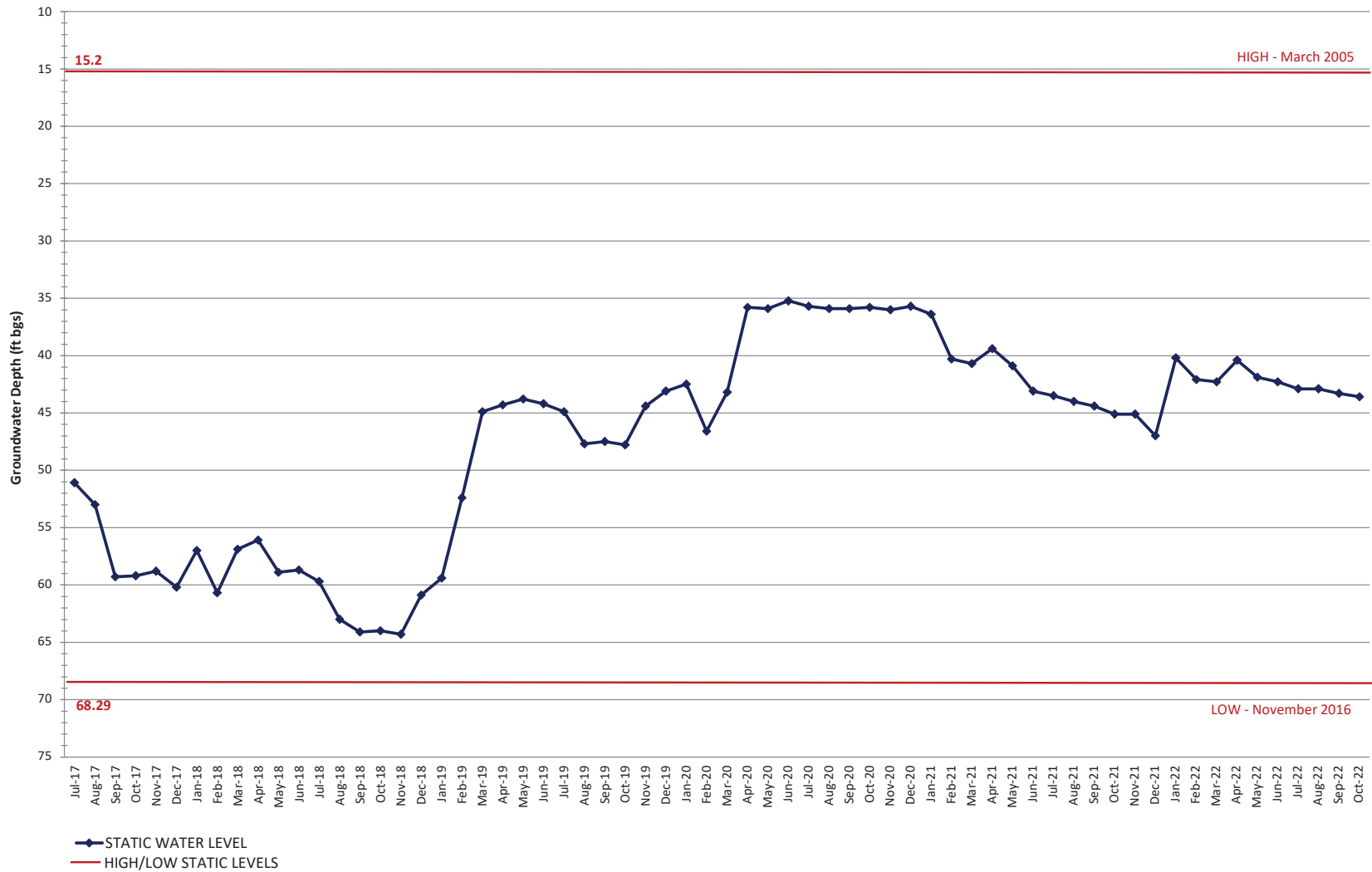
**SCV WATER WELL N13**  
 STATIC WATER LEVEL



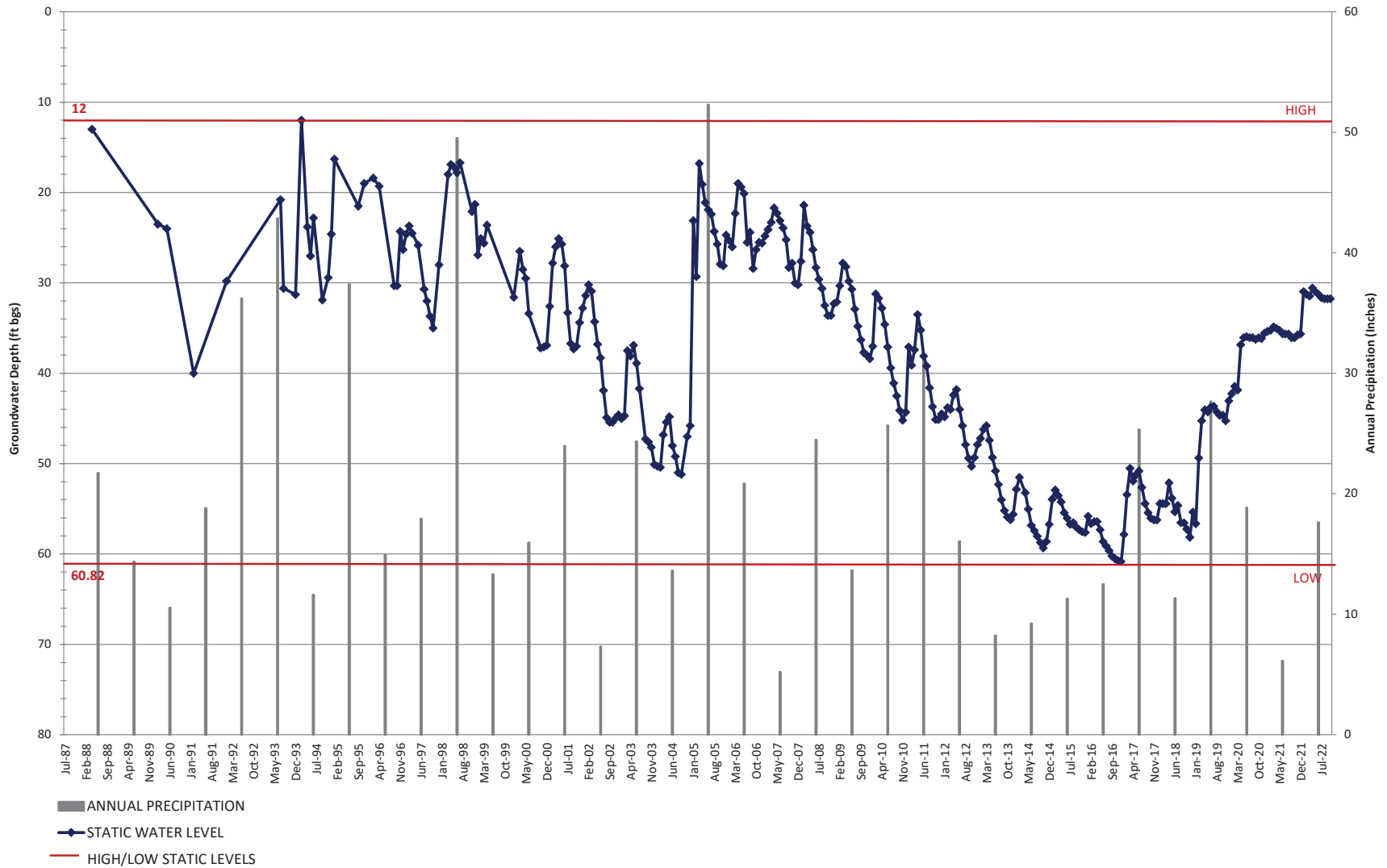
**SCV WATER WELL N8**  
 STATIC WATER LEVEL VS PRECIPITATION



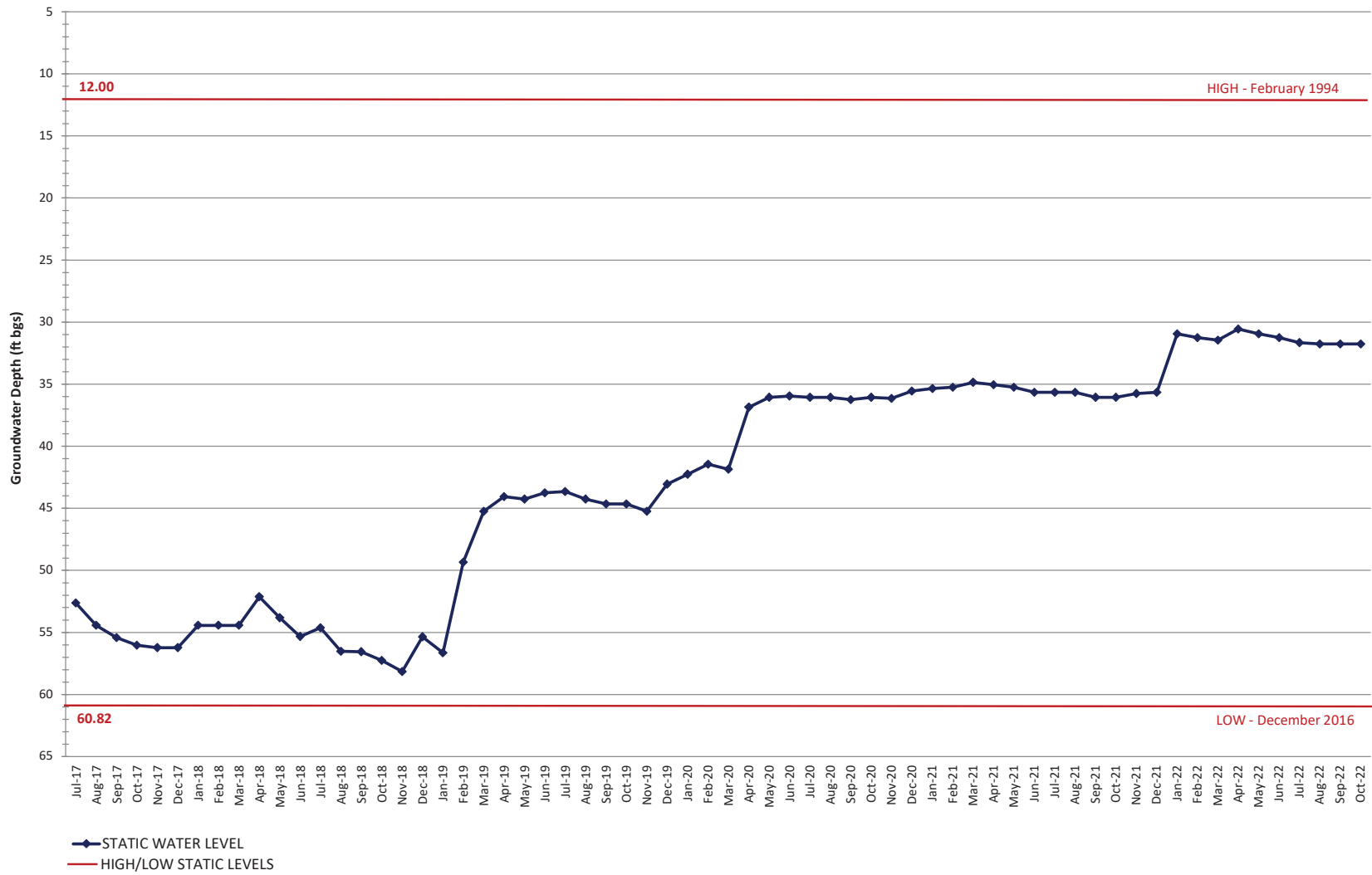
**SCV WATER WELL N8**  
**STATIC WATER LEVEL**



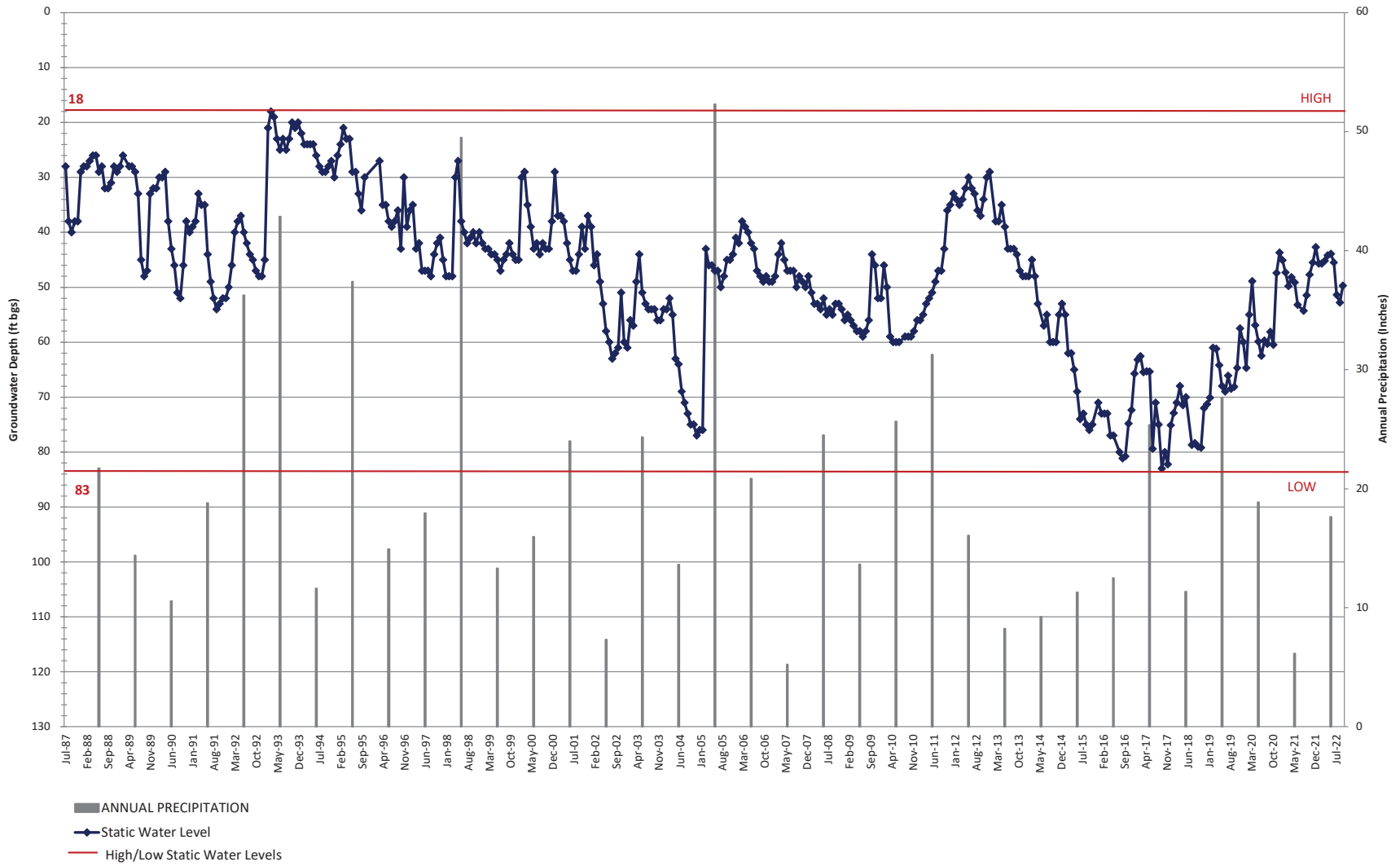
**SCV WATER WELL Q2**  
 STATIC WATER LEVEL VS PRECIPITATION



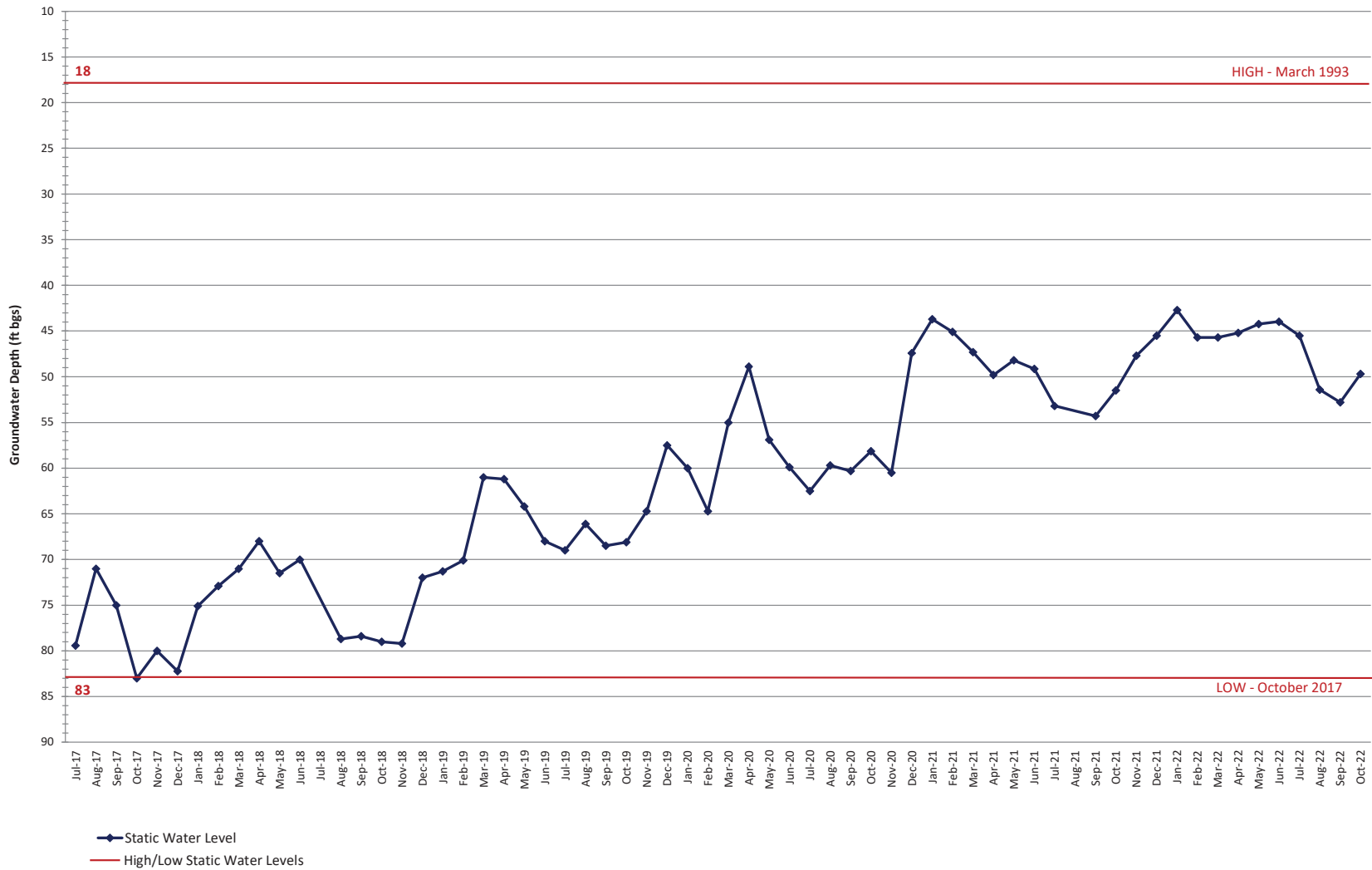
**SCV WATER WELL Q2**  
**STATIC WATER LEVEL**



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

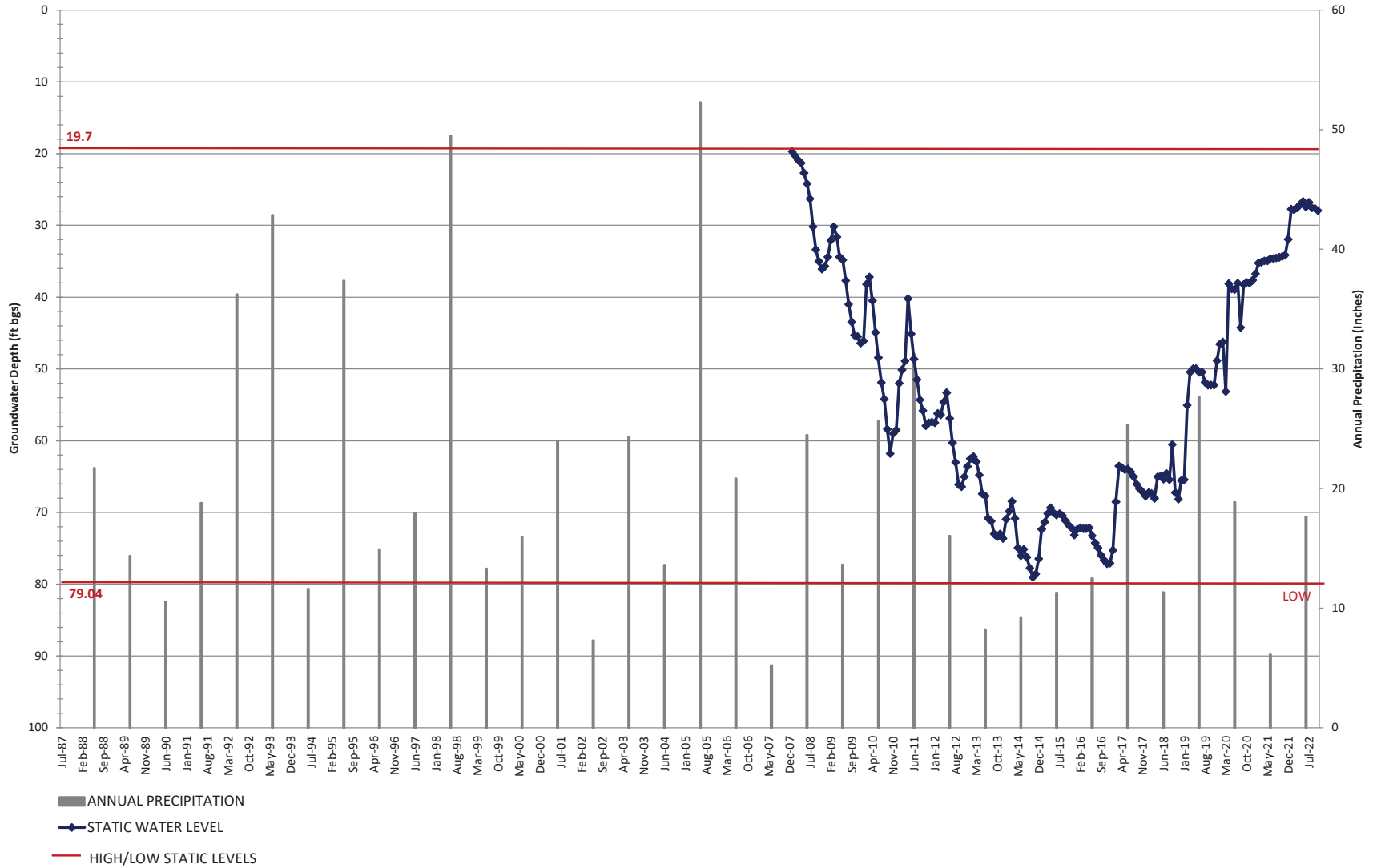


SCV WATER WELL GUIDA #14  
 STATIC WATER LEVEL

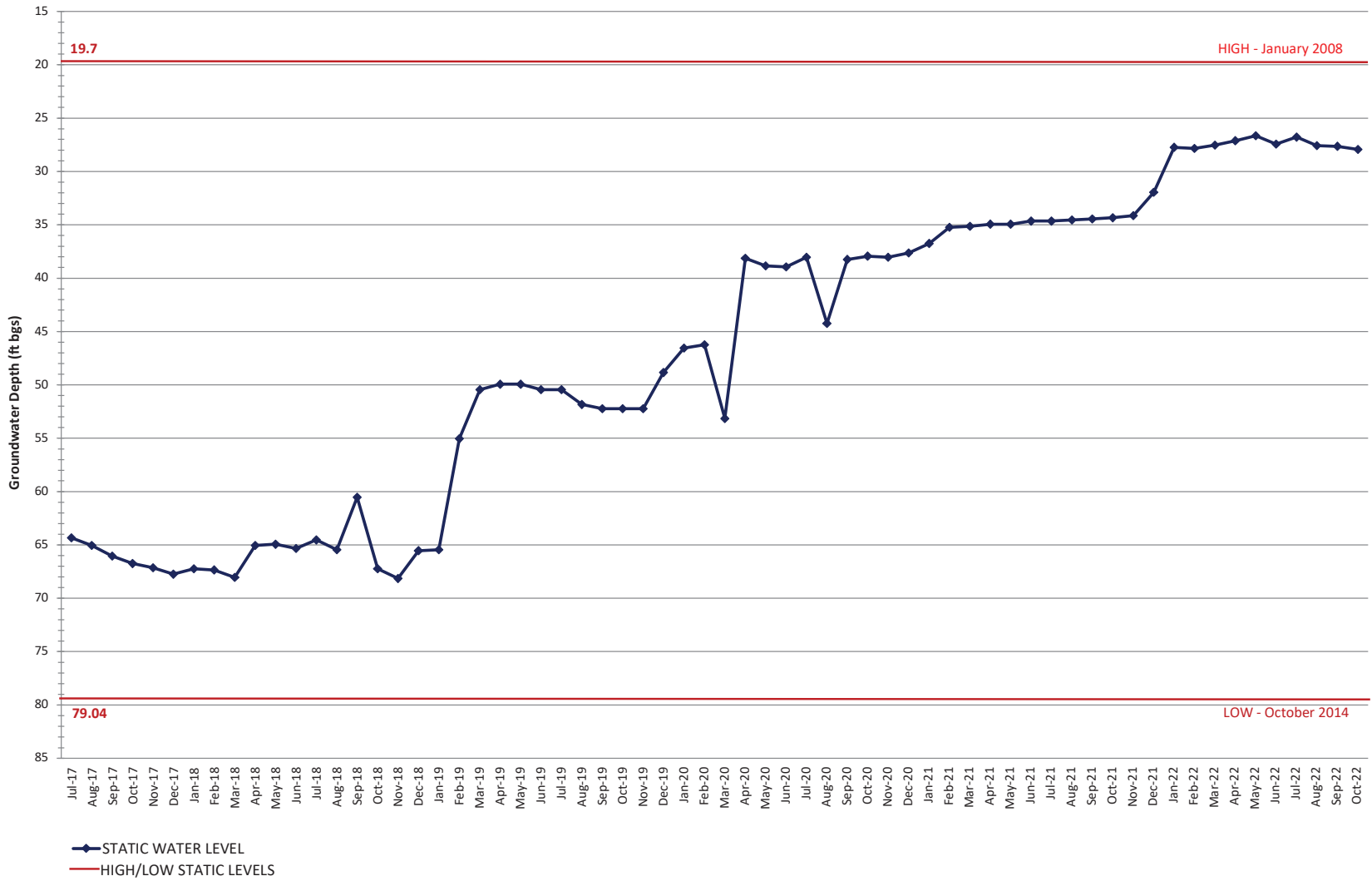




**SCV WATER WELL T7**  
**STATIC WATER LEVEL VS PRECIPITATION**



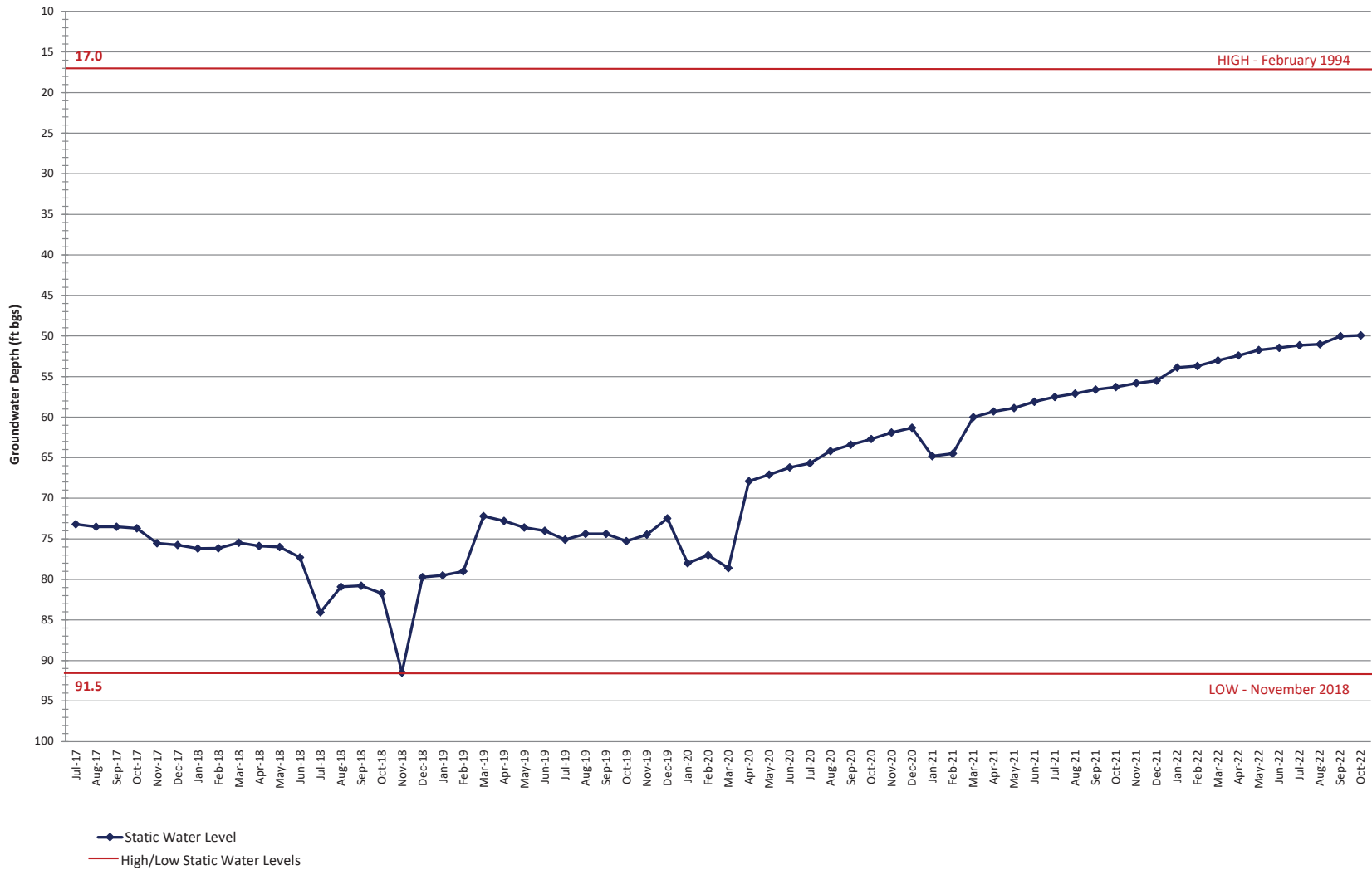
**SCV WATER WELL T7**  
 STATIC WATER LEVEL



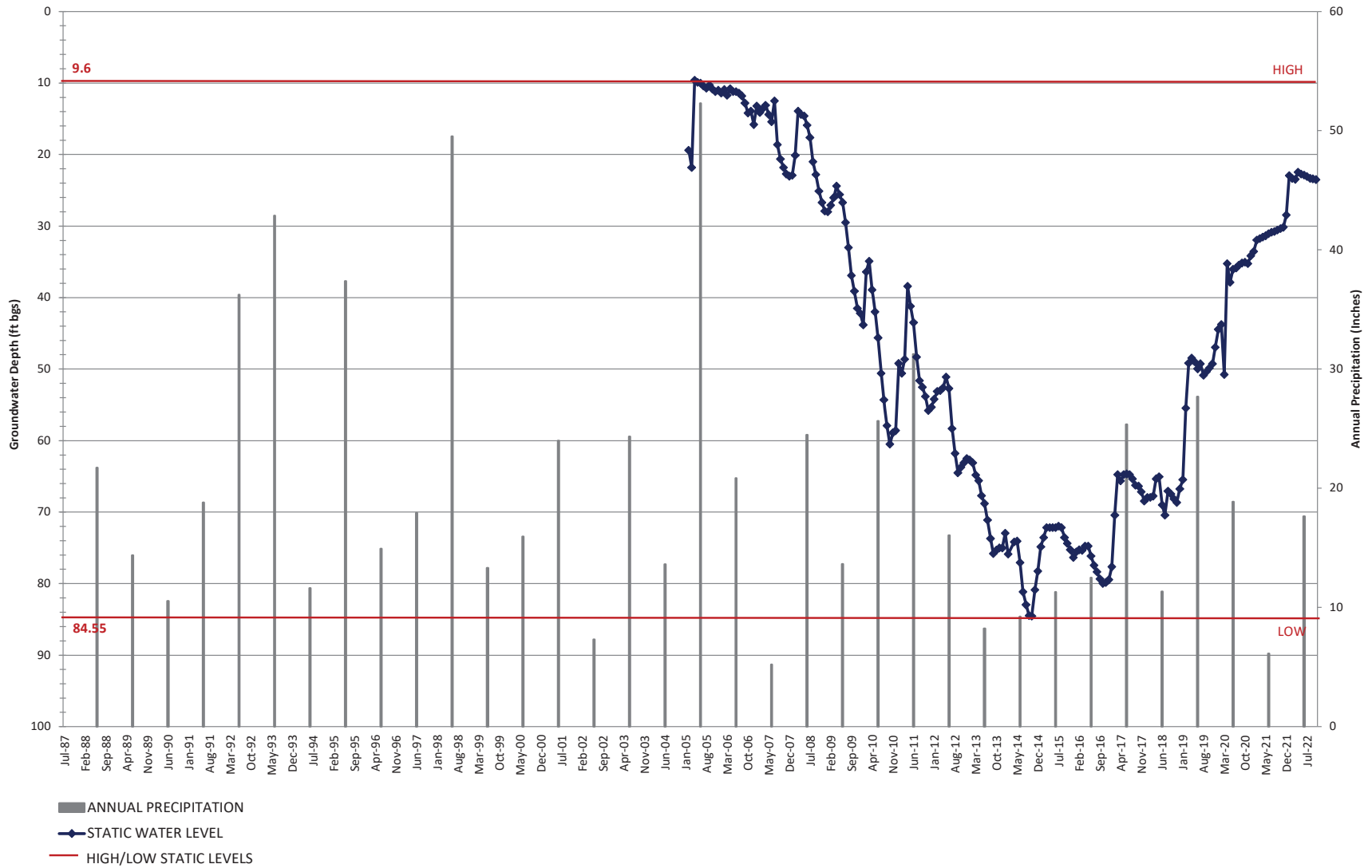
**SCV WATER WELL CLARK #15**  
**STATIC WATER LEVEL VS PRECIPITATION**



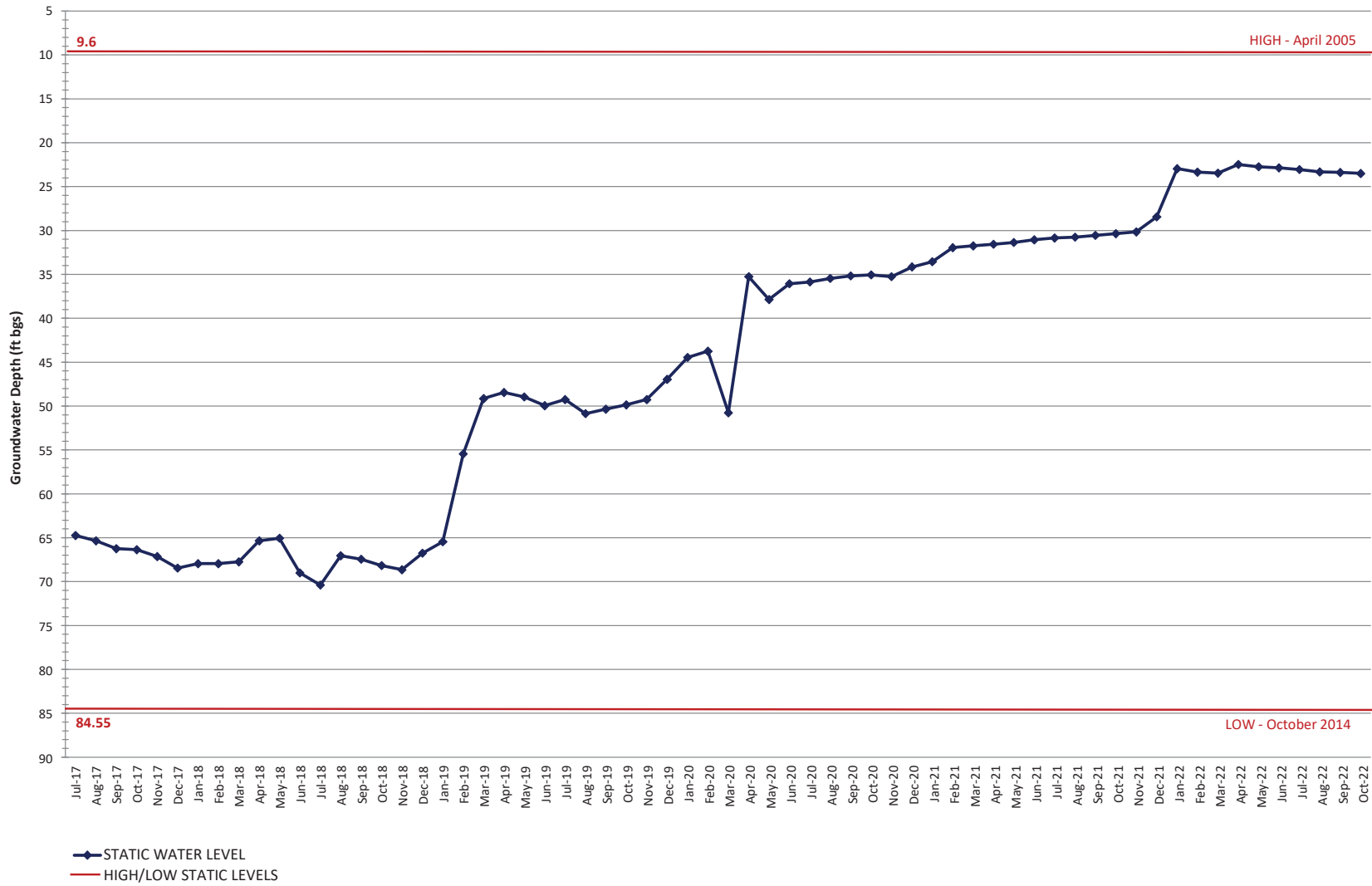
SCV WATER WELL CLARK #15  
 STATIC WATER LEVEL



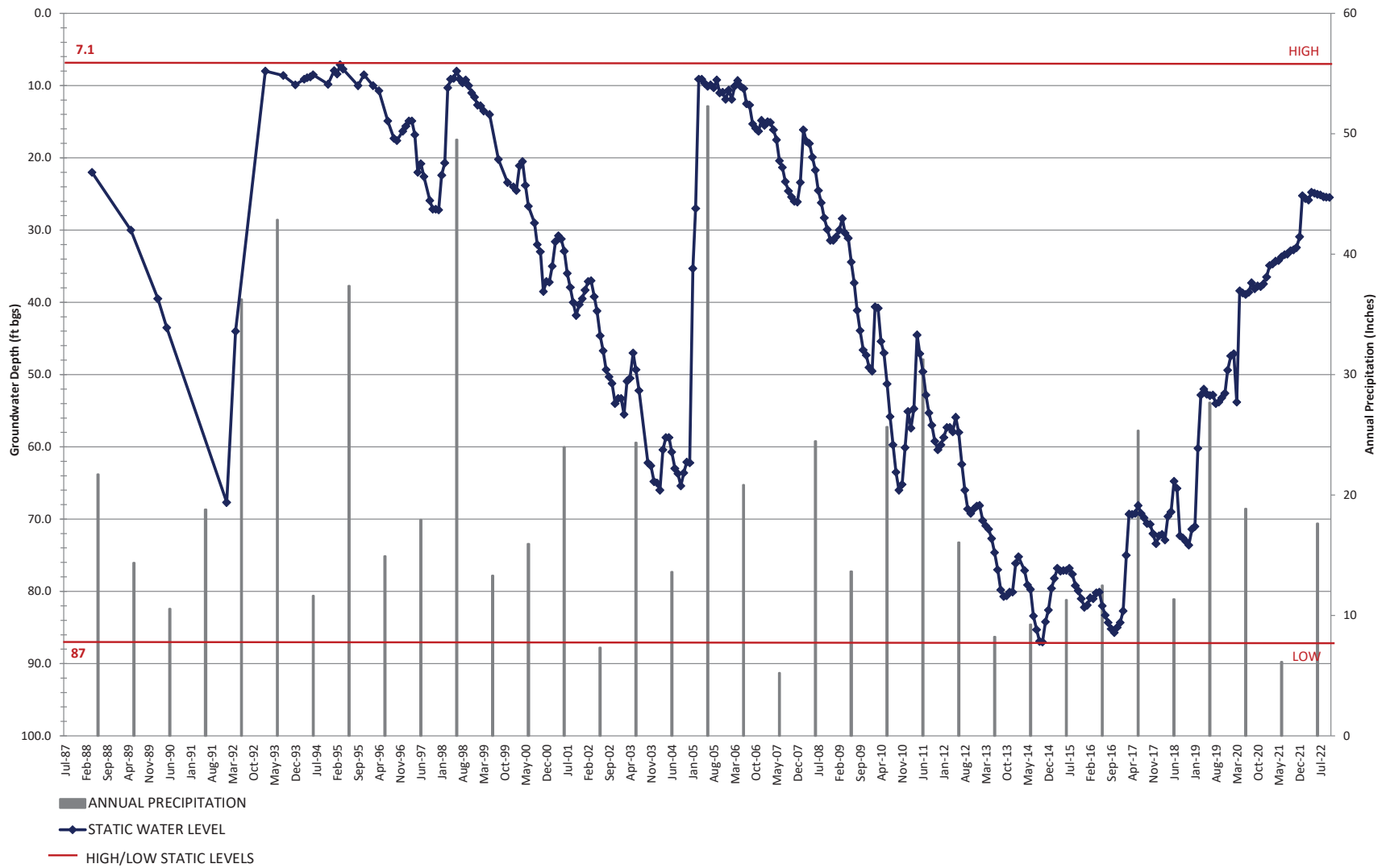
**SCV WATER WELL U6**  
 STATIC WATER LEVEL VS PRECIPITATION



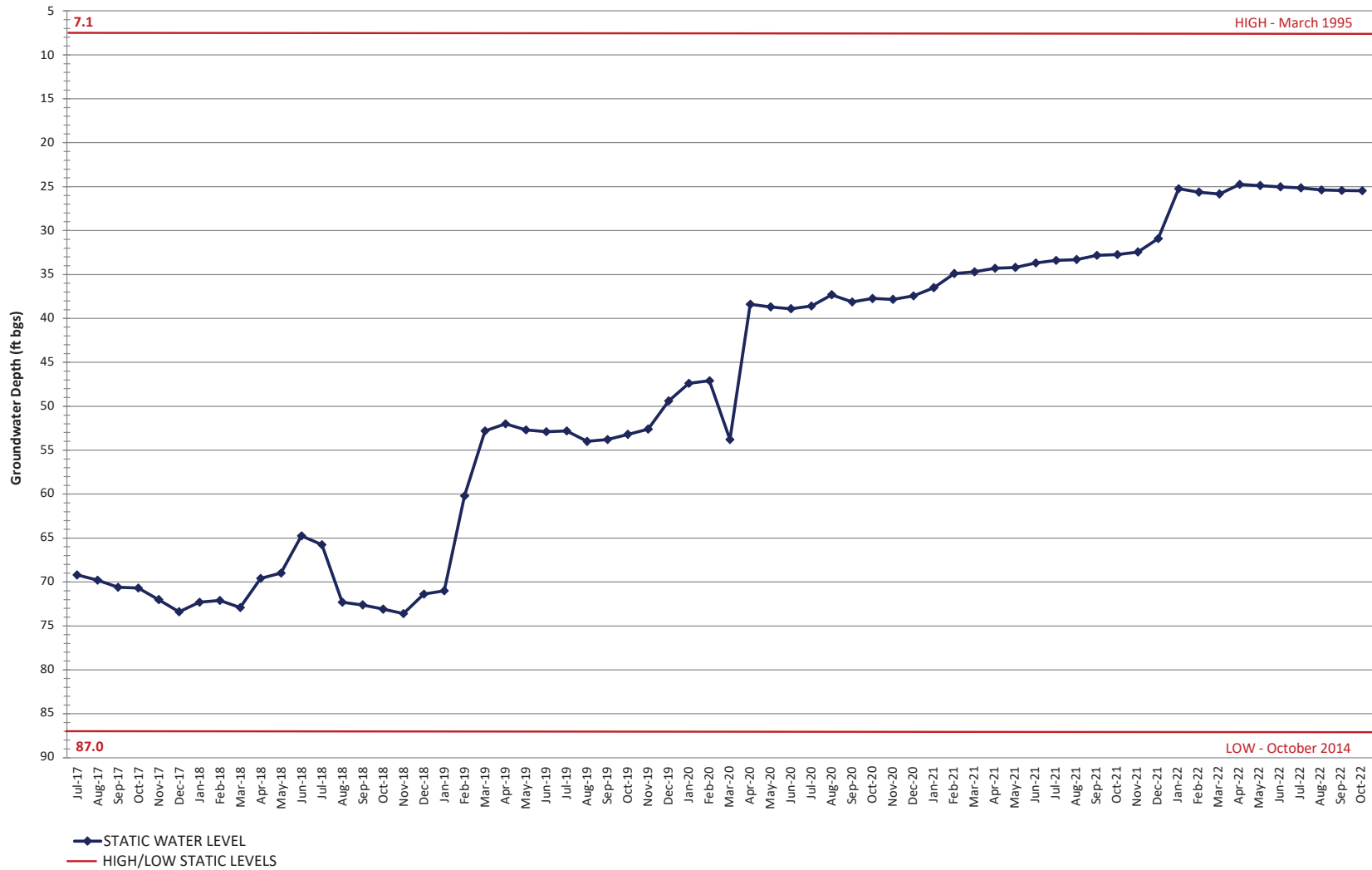
**SCV WATER WELL U6**  
**STATIC WATER LEVEL**



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

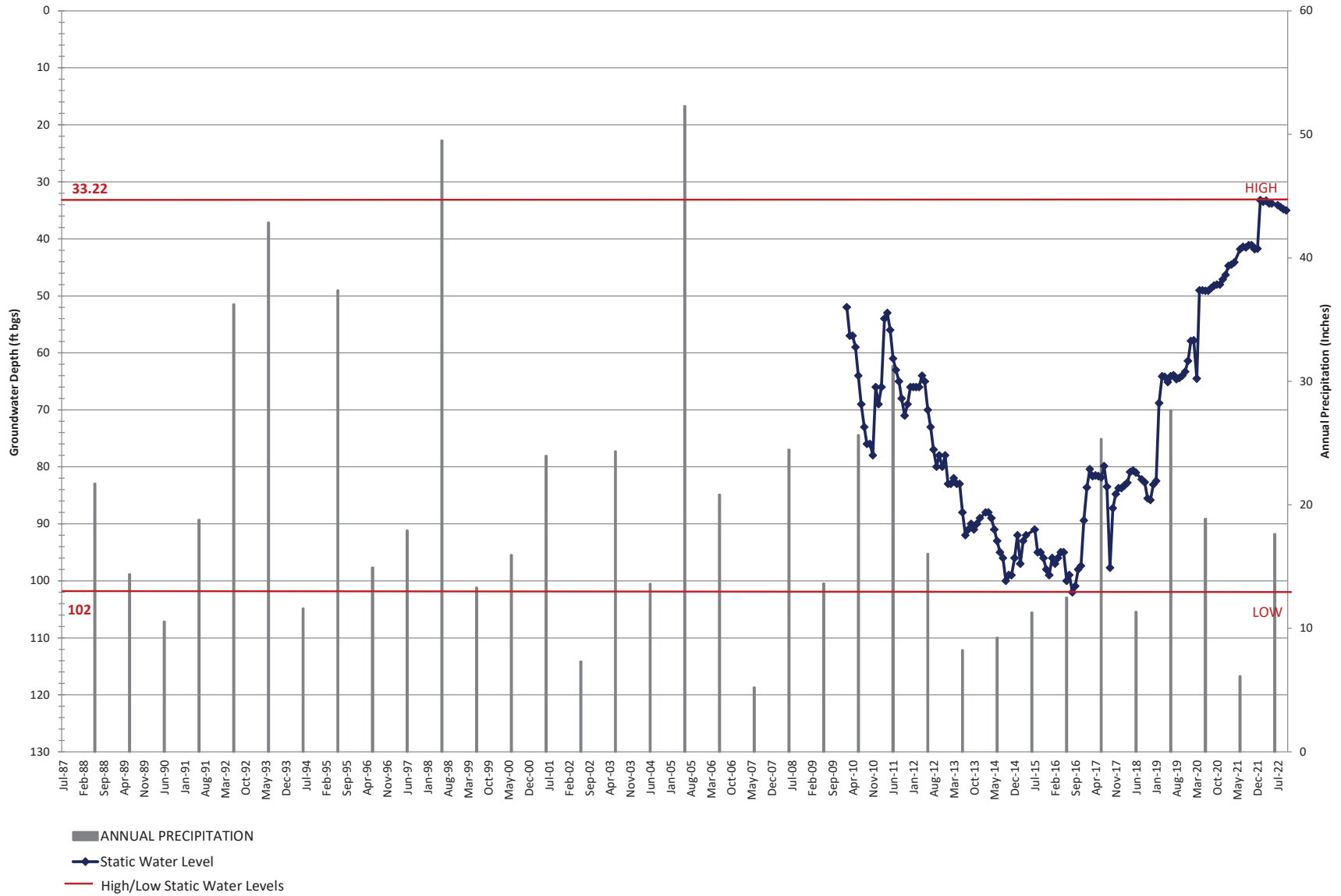


**SCV WATER WELL U4**  
**STATIC WATER LEVEL**

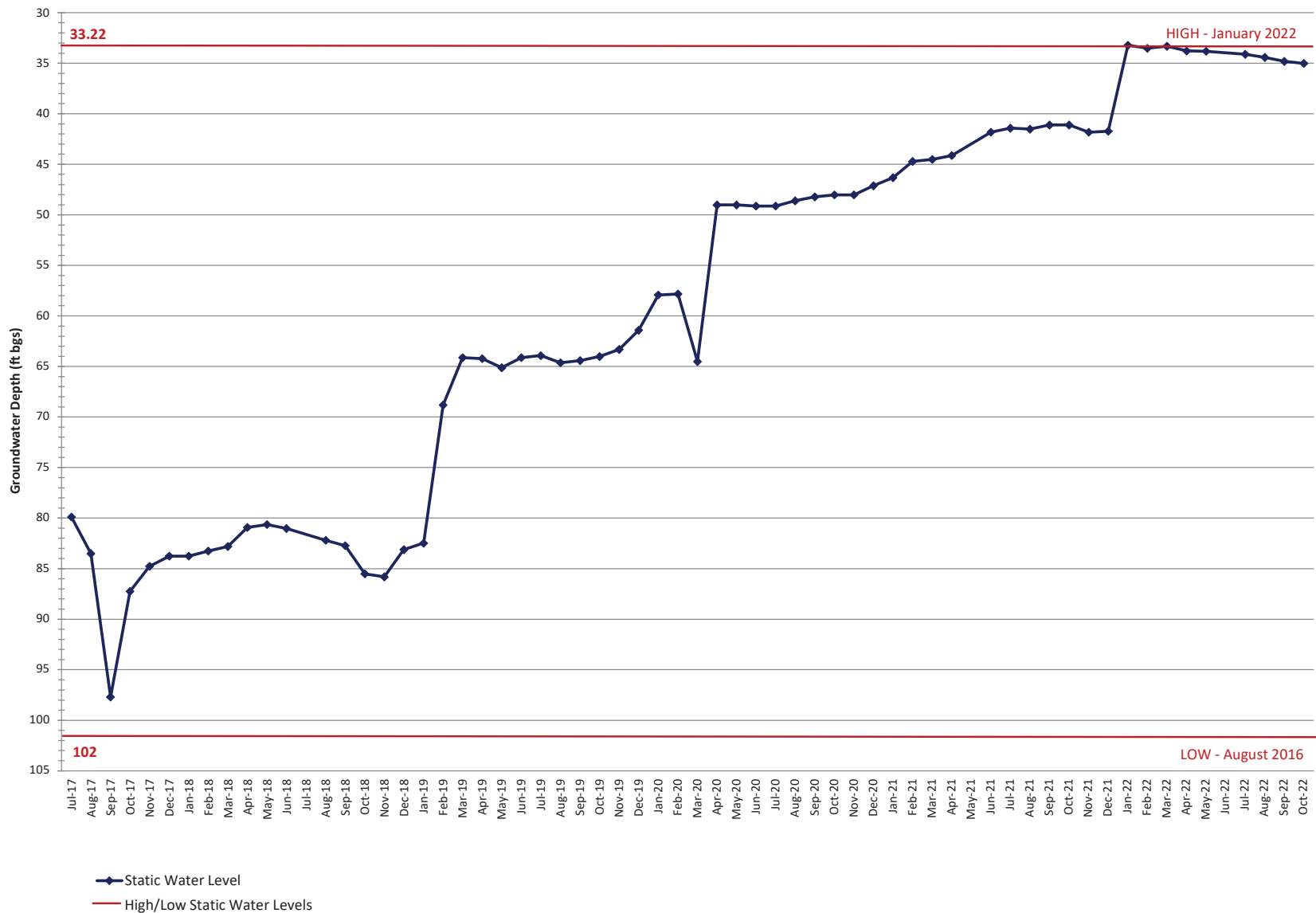




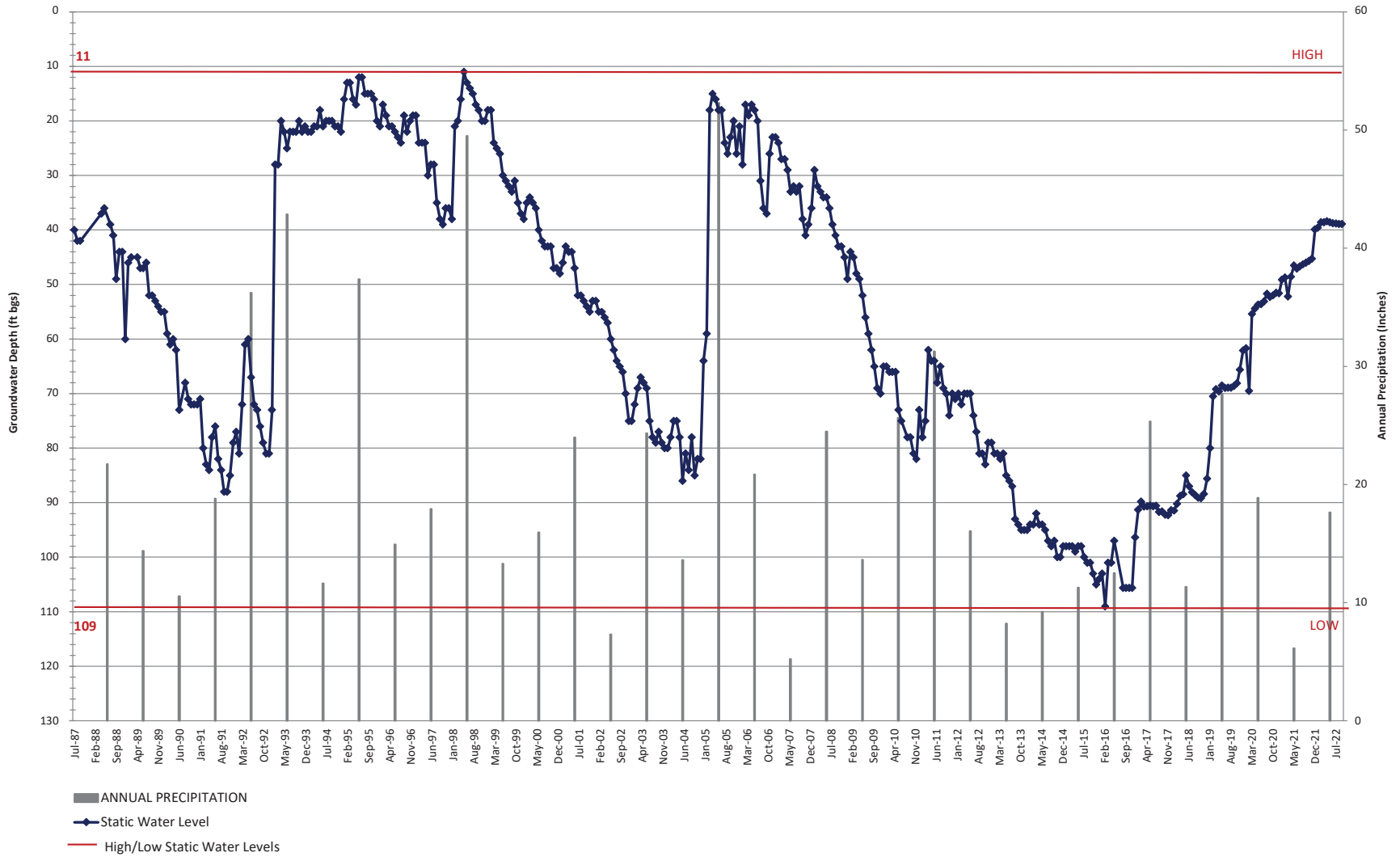
**SCV WATER WELL VALLEY CENTER**  
**STATIC WATER LEVEL VS PRECIPITATION**



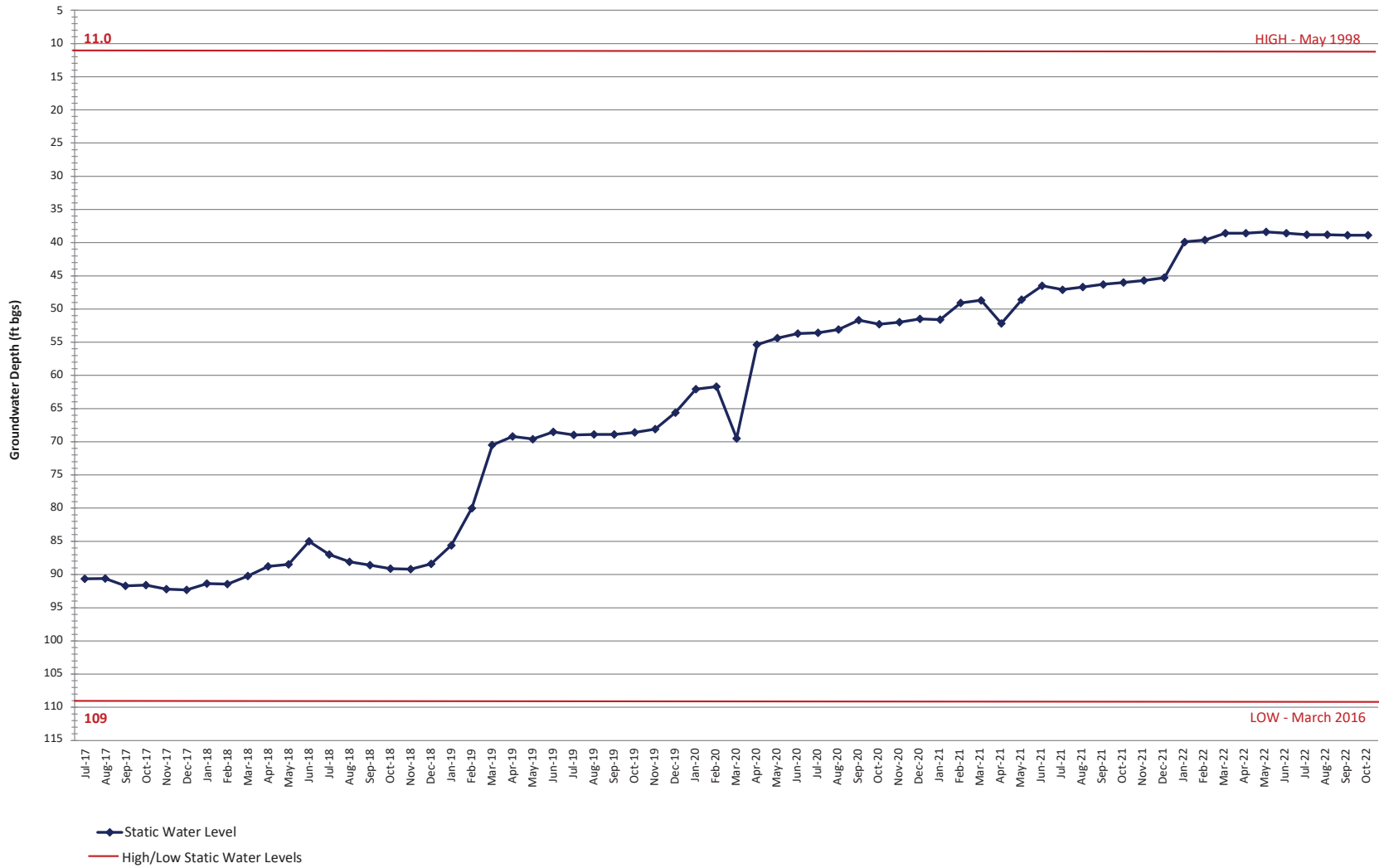
SCV WATER WELL VALLEY CENTER  
 STATIC WATER LEVEL



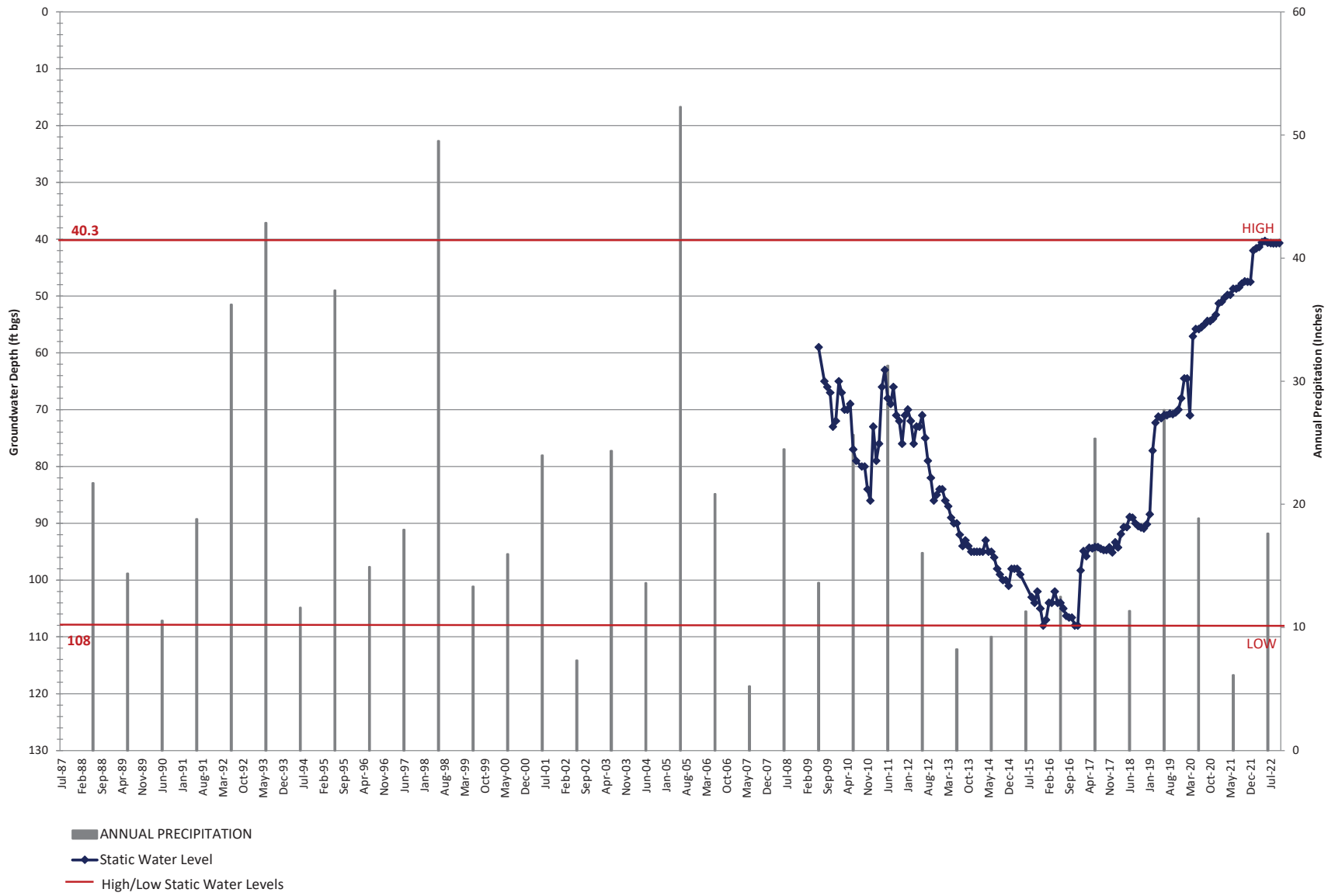
SCV WATER WELL HONBY #12  
 STATIC WATER LEVEL VS PRECIPITATION



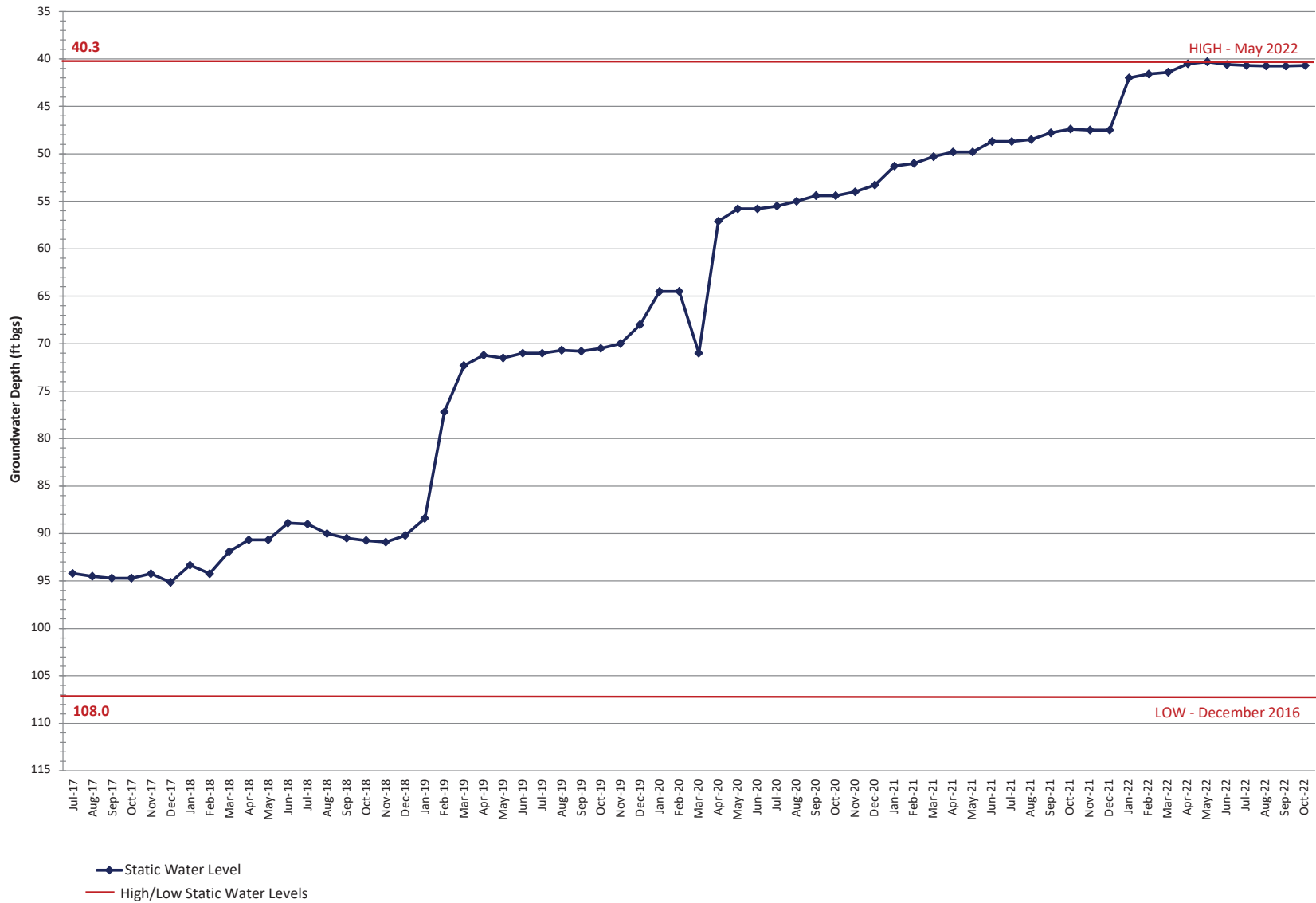
SCV WATER WELL HONBY #12  
 STATIC WATER LEVEL



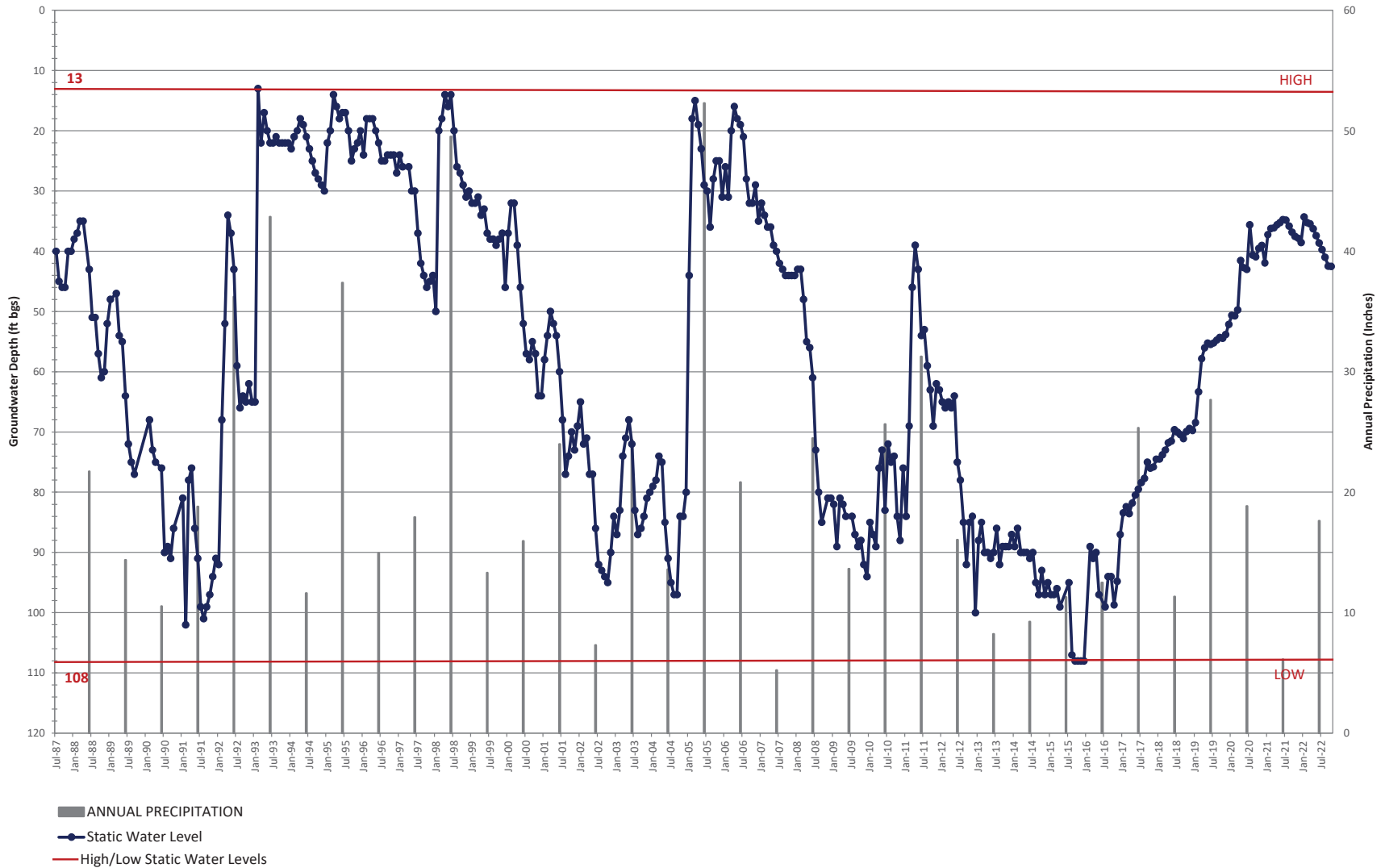
**SCV WATER WELL SANTA CLARA**  
 STATIC WATER LEVEL VS PRECIPITATION



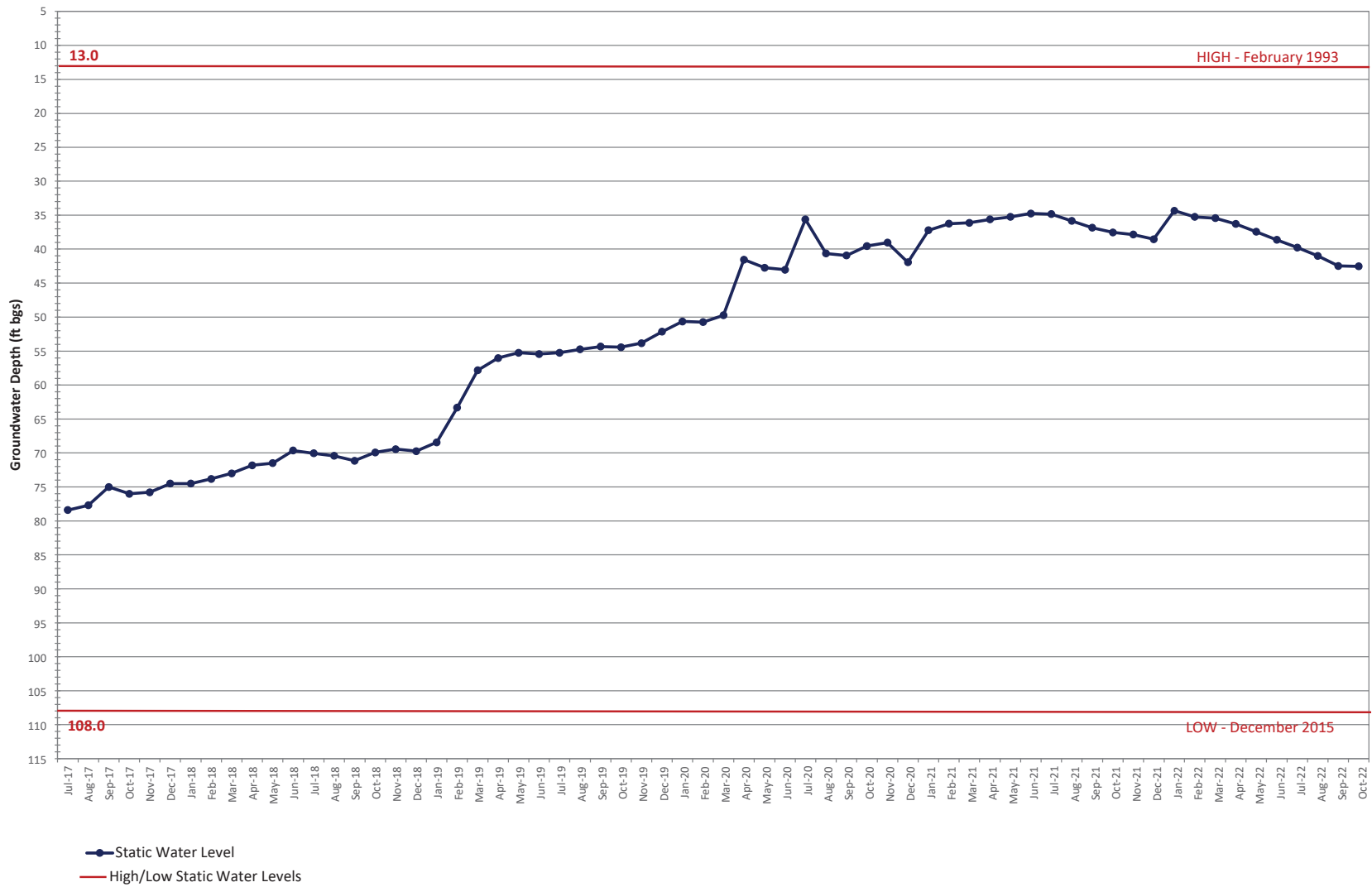
SCV WATER WELL SANTA CLARA  
 STATIC WATER LEVEL



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

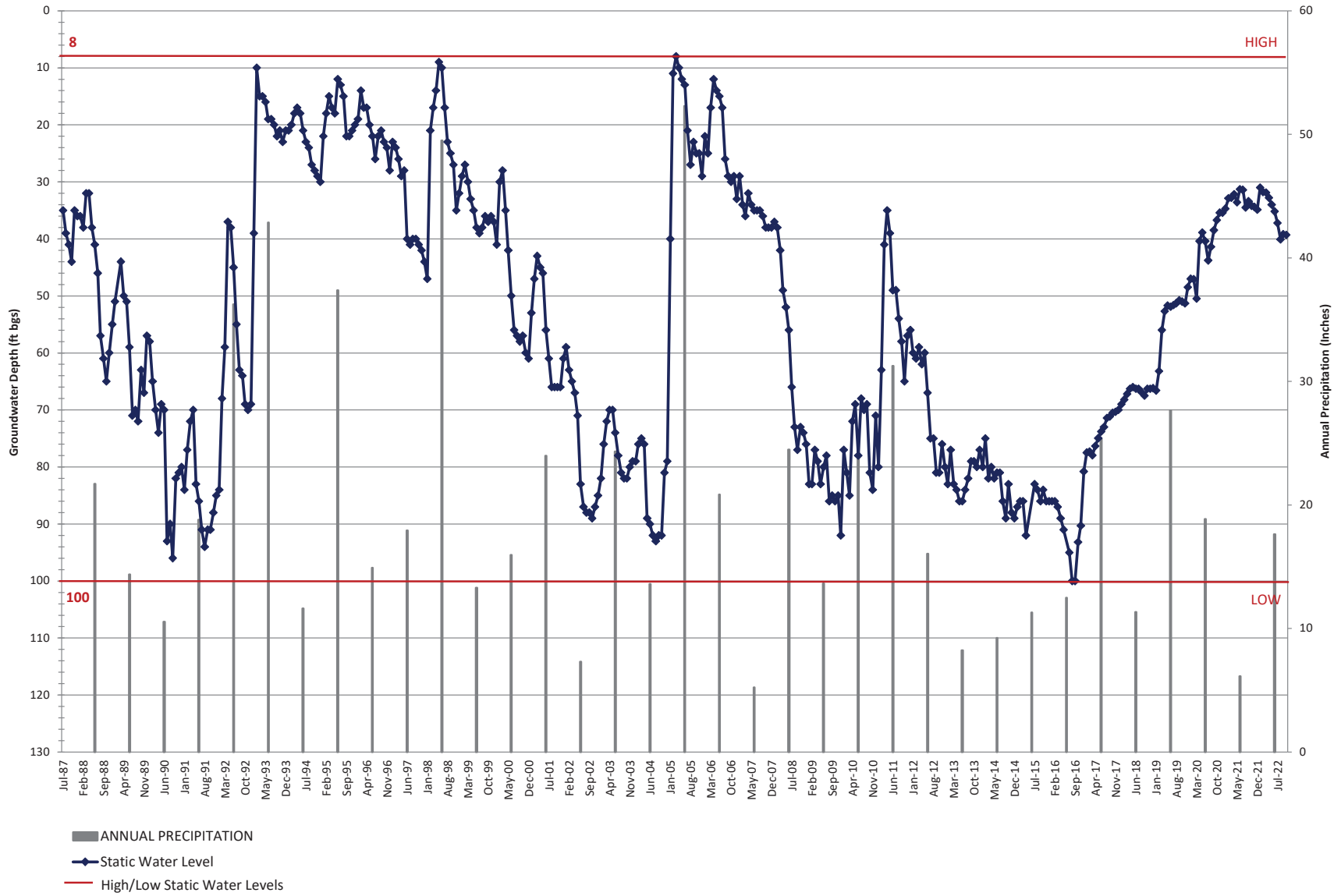


**SCV WATER WELL NORTH OAKS CENTRAL #8**  
*STATIC WATER LEVEL*

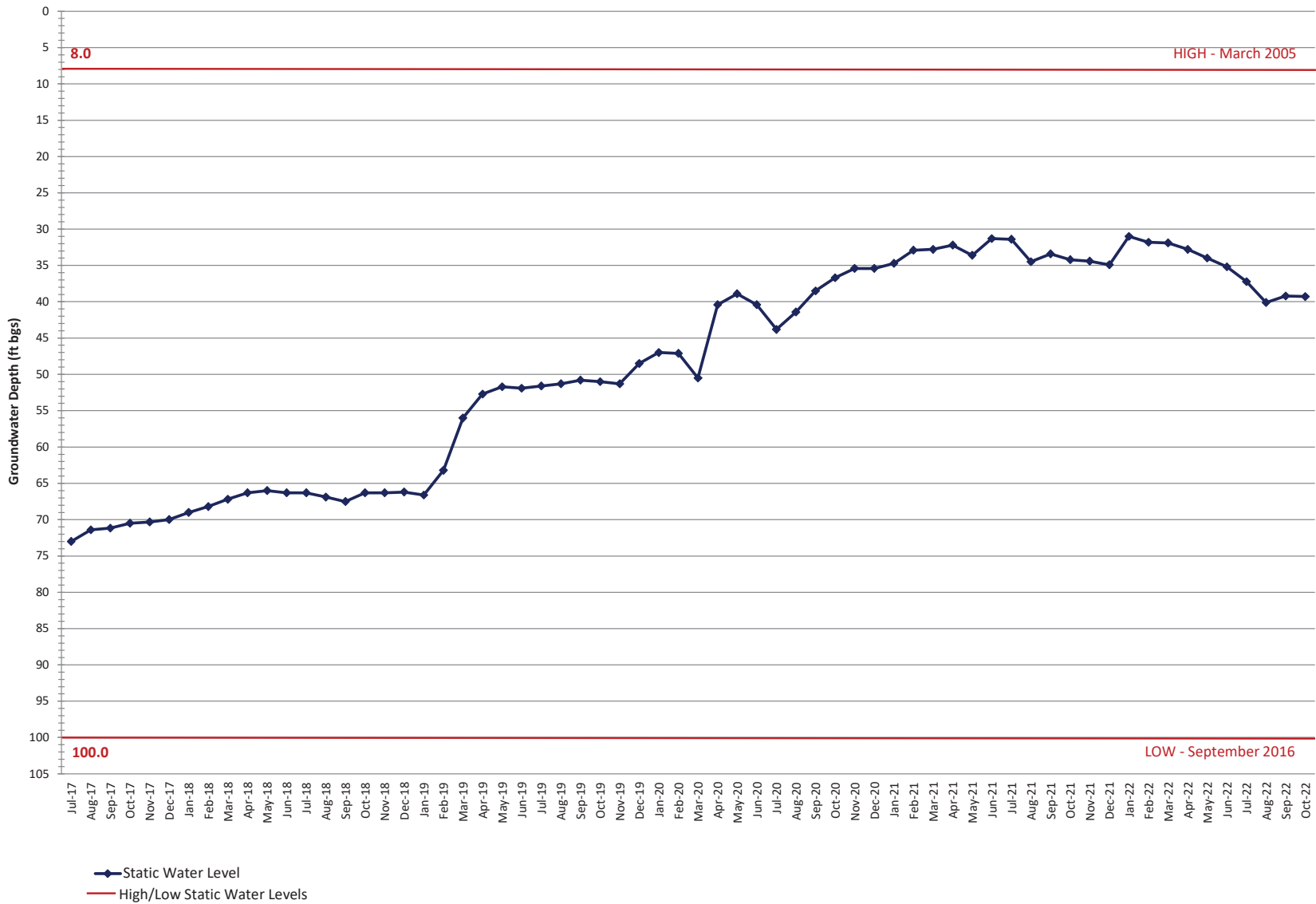




**SCV WATER WELL NORTH OAKS WEST #9**  
 STATIC WATER LEVEL VS PRECIPITATION



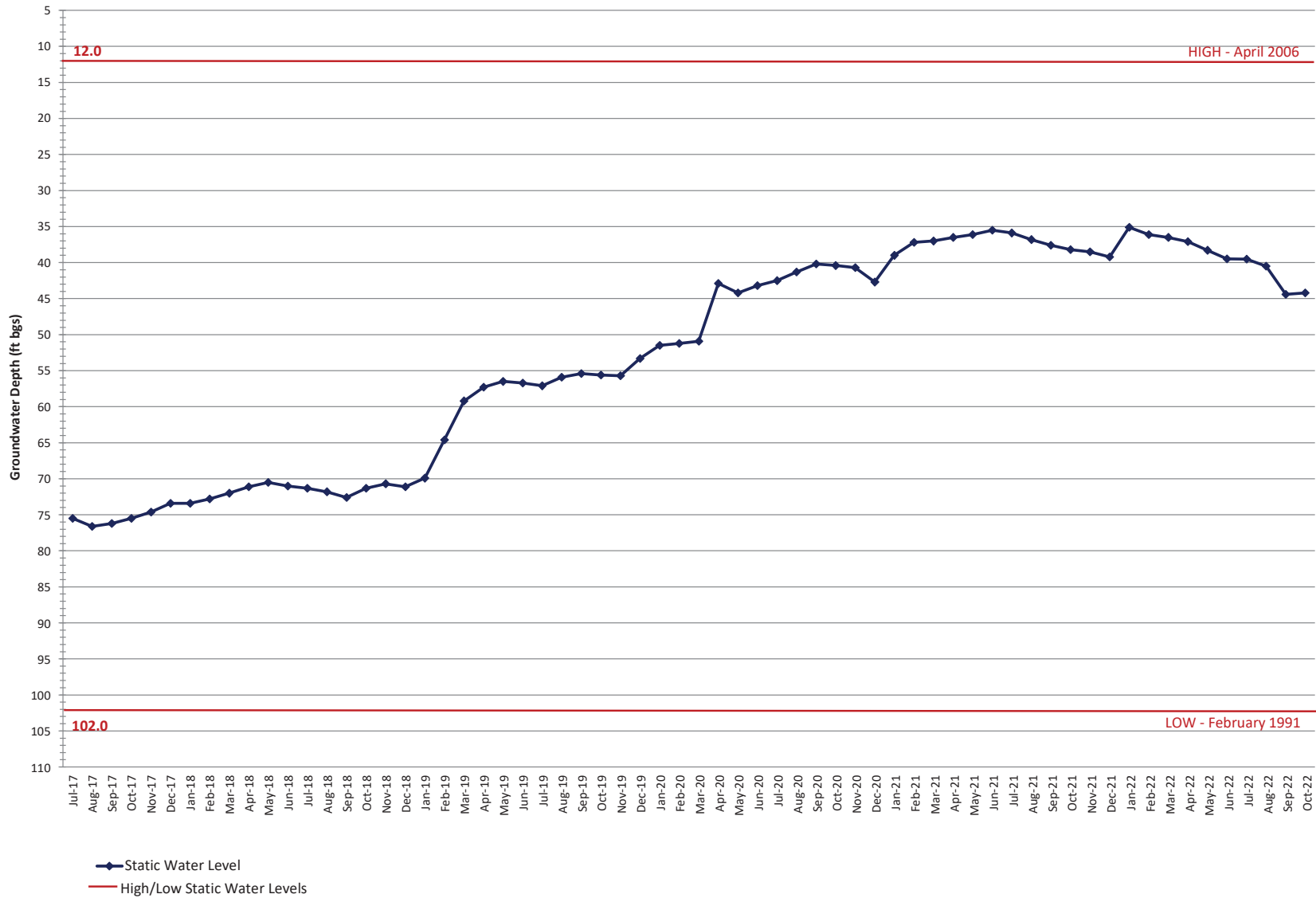
SCV WATER WELL NORTH OAKS WEST #9  
 STATIC WATER LEVEL



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



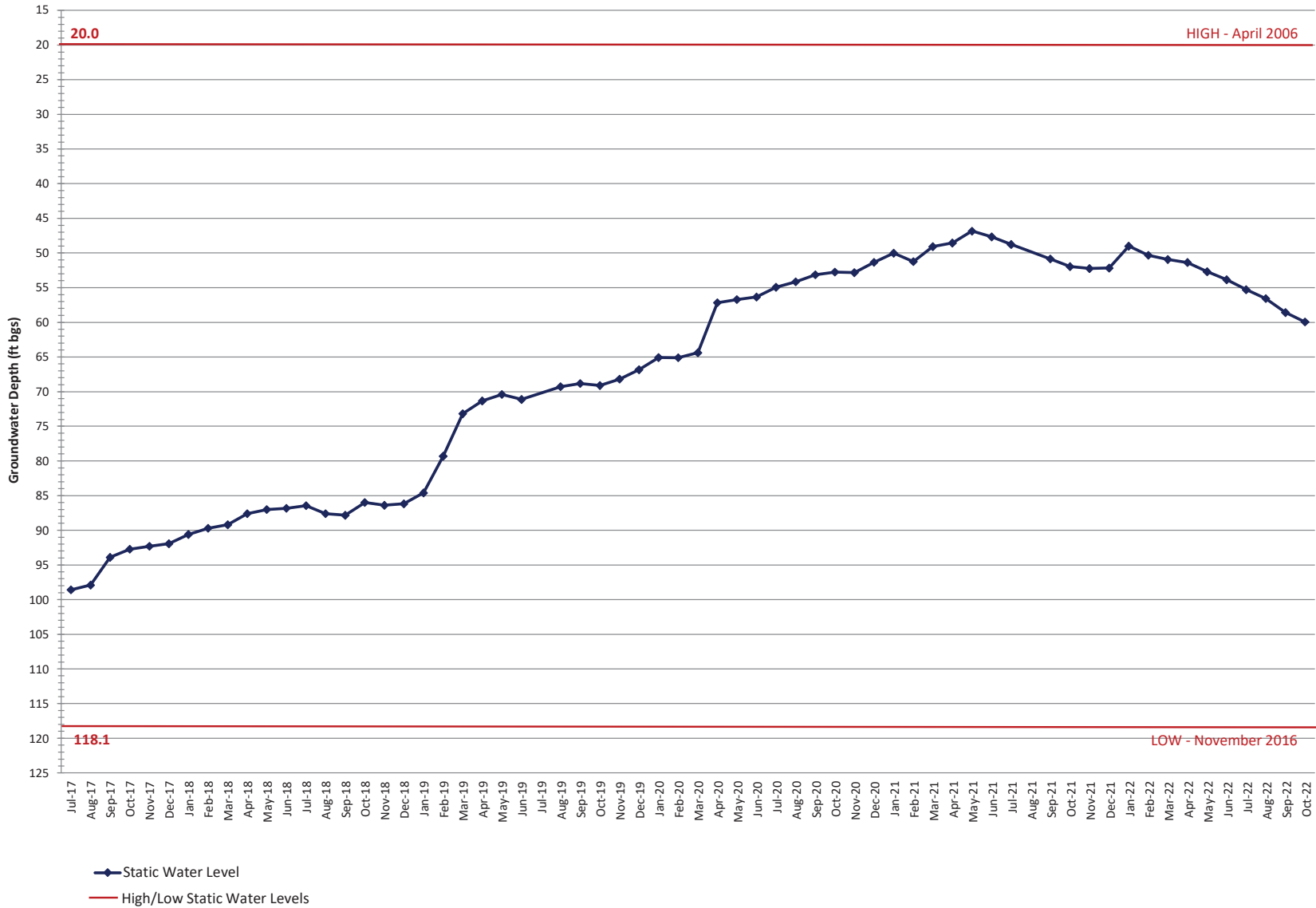
SCV WATER WELL NORTH OAKS EAST #7  
 STATIC WATER LEVEL



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



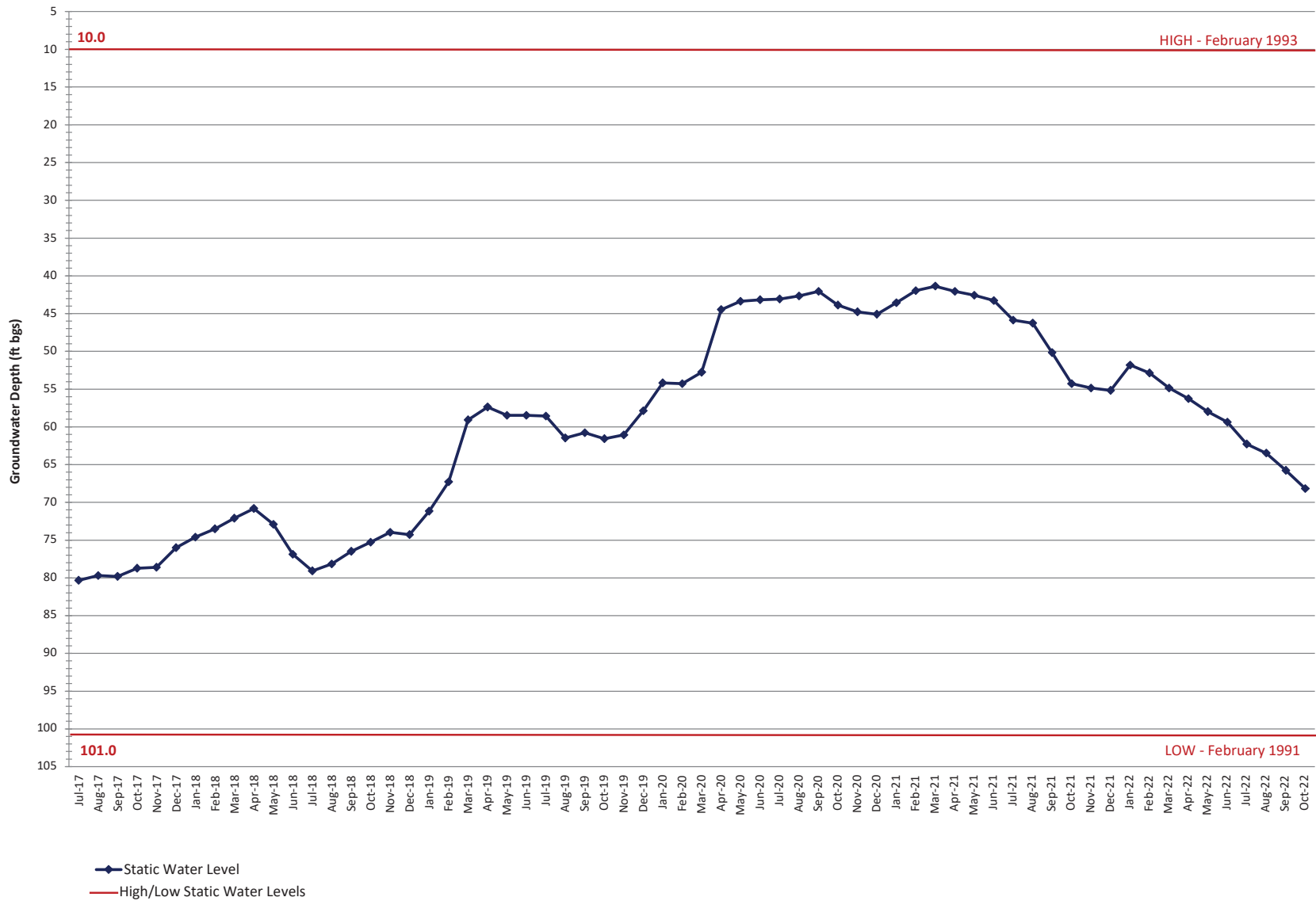
**SCV WATER WELL SIERRA #6**  
**STATIC WATER LEVEL**



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

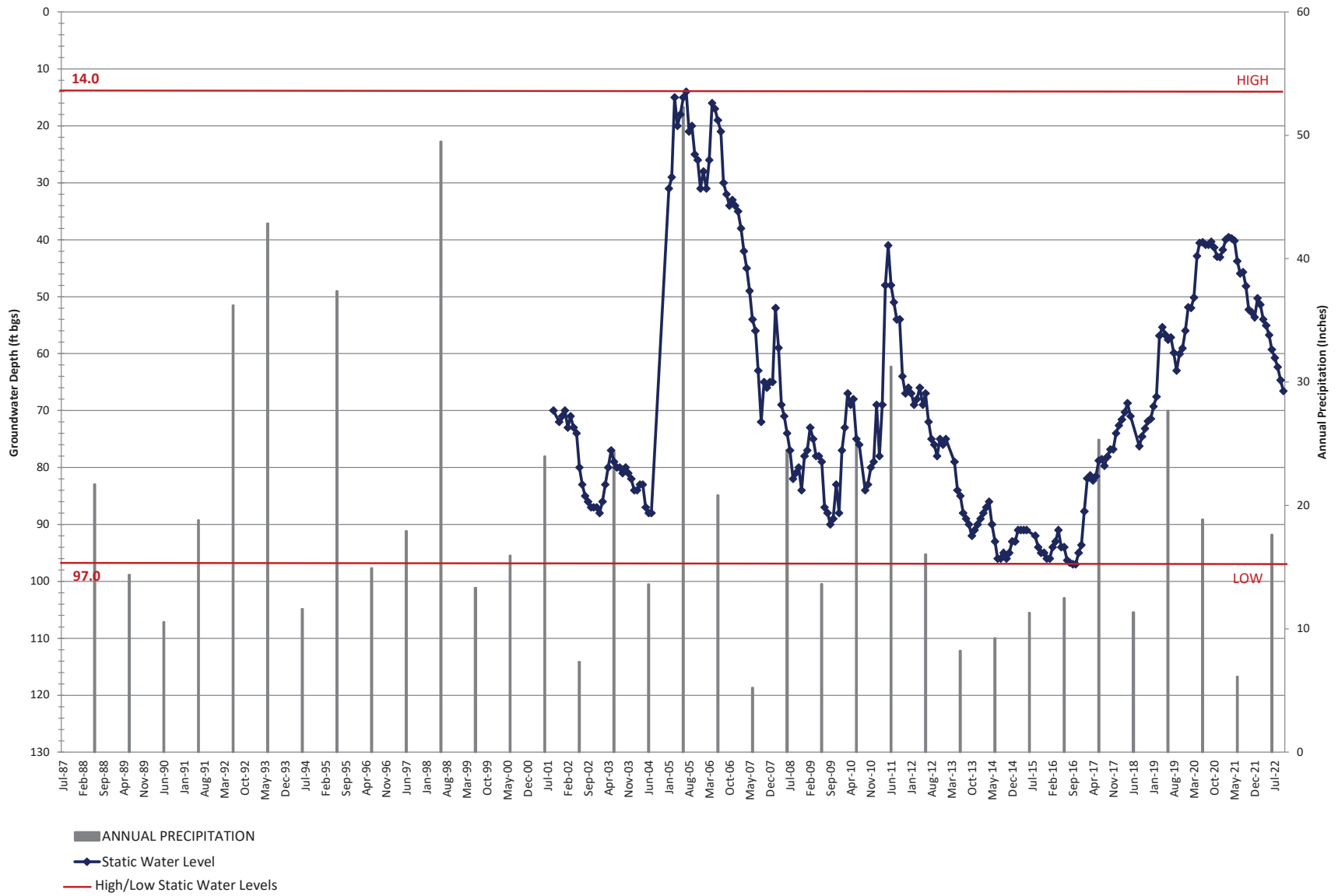


SCV WATER WELL MITCHELL #5A  
 STATIC WATER LEVEL

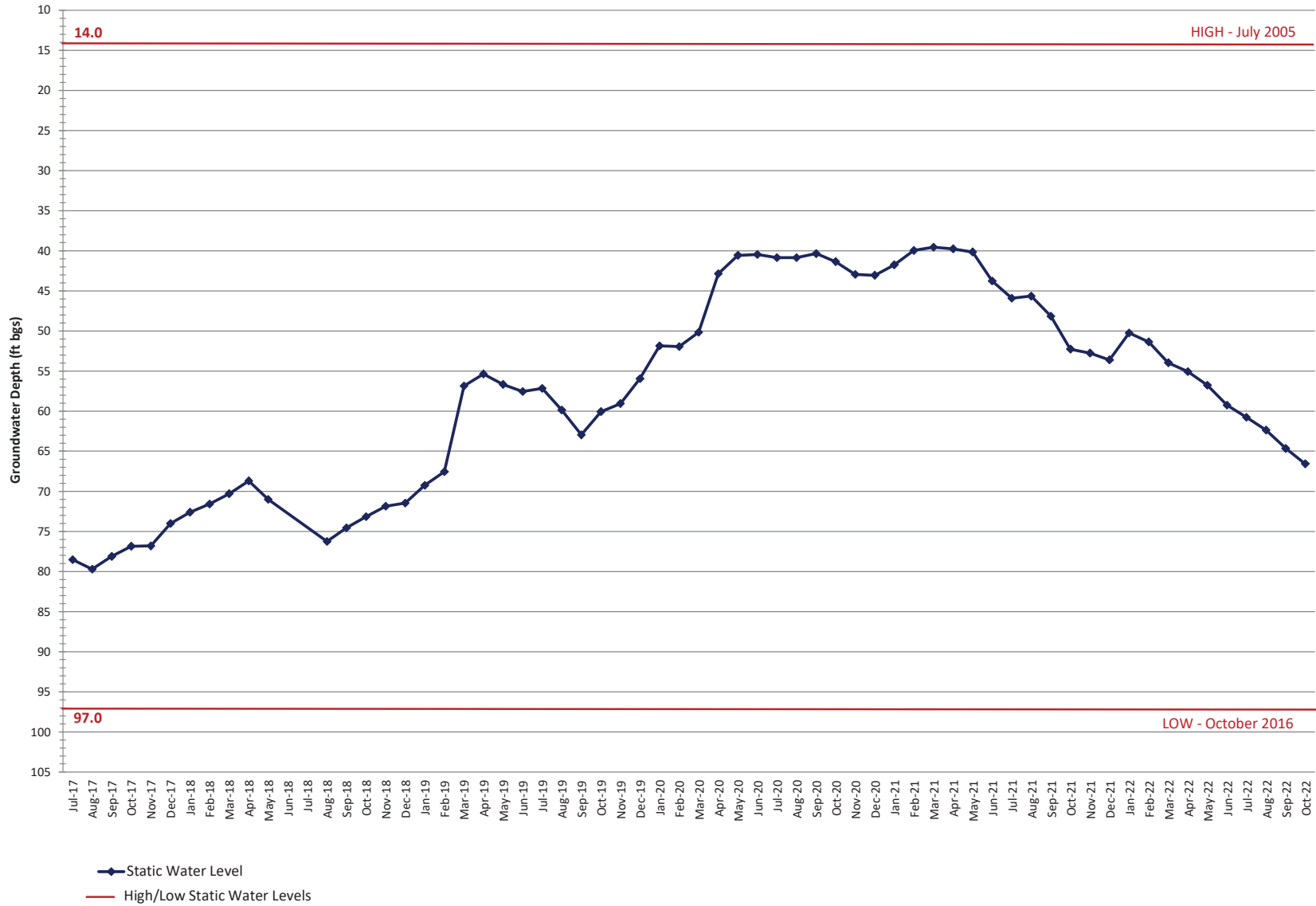




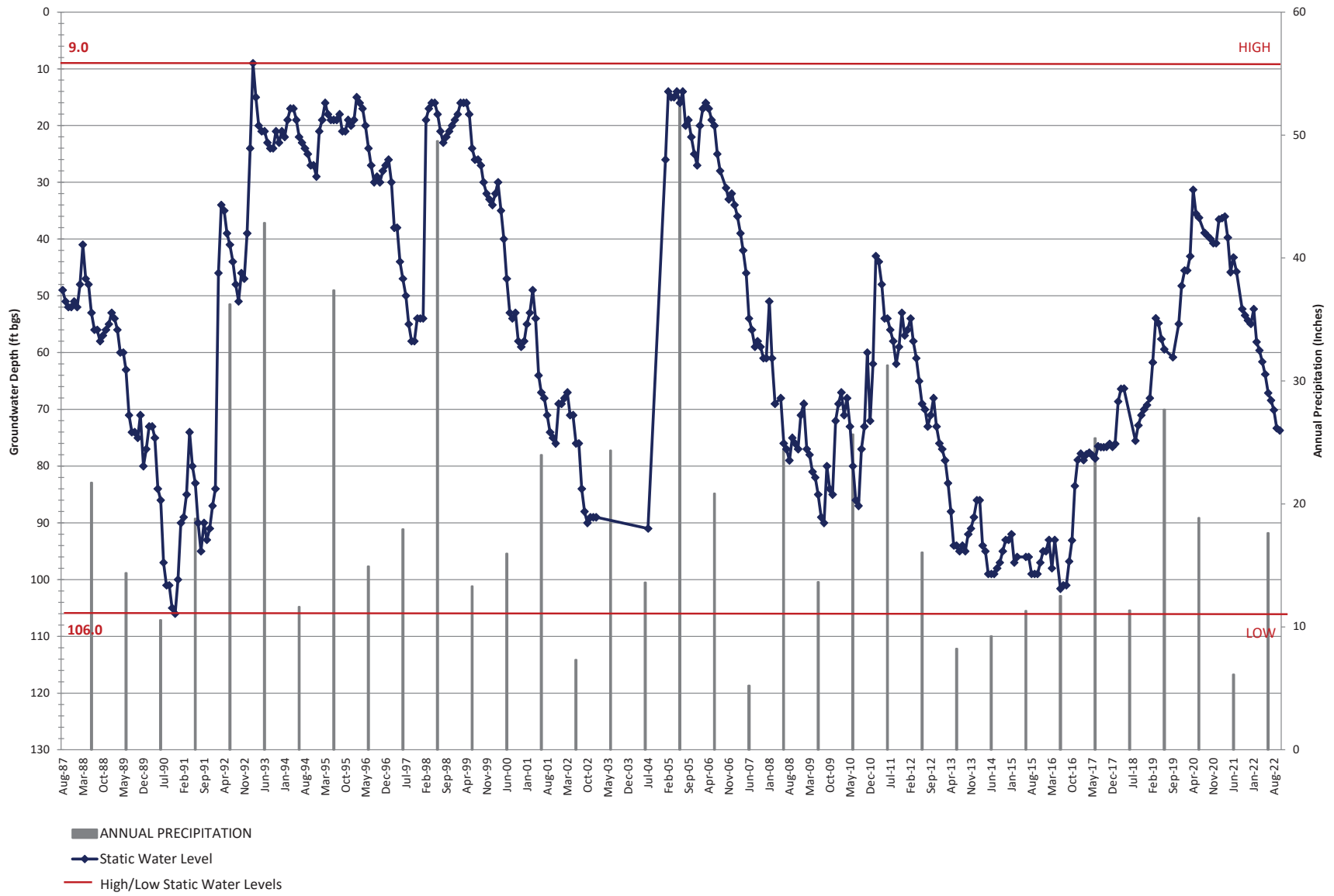
**SCV WATER WELL MITCHELL #5B**  
 STATIC WATER LEVEL VS PRECIPITATION



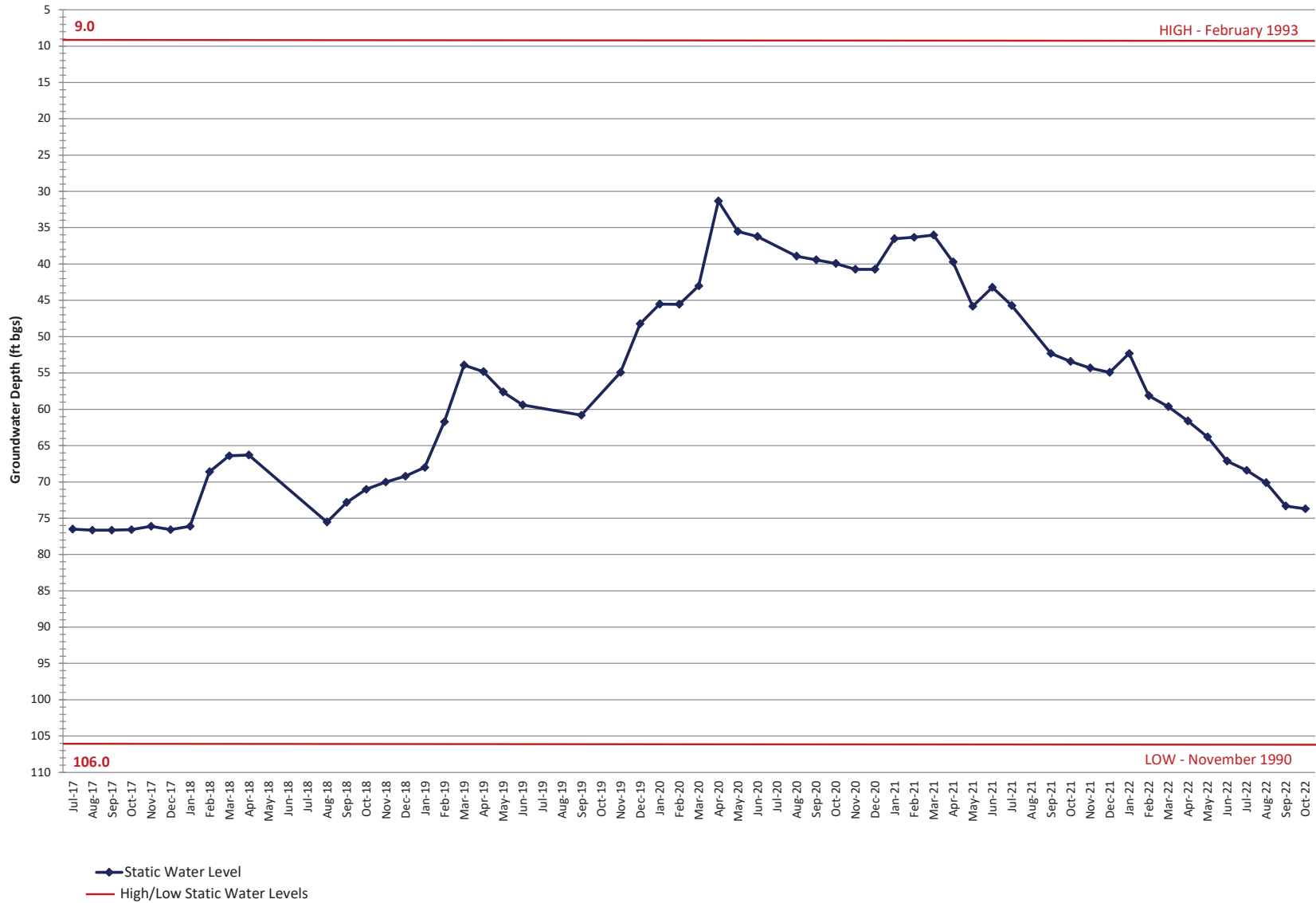
SCV WATER WELL MITCHELL #5B  
 STATIC WATER LEVEL



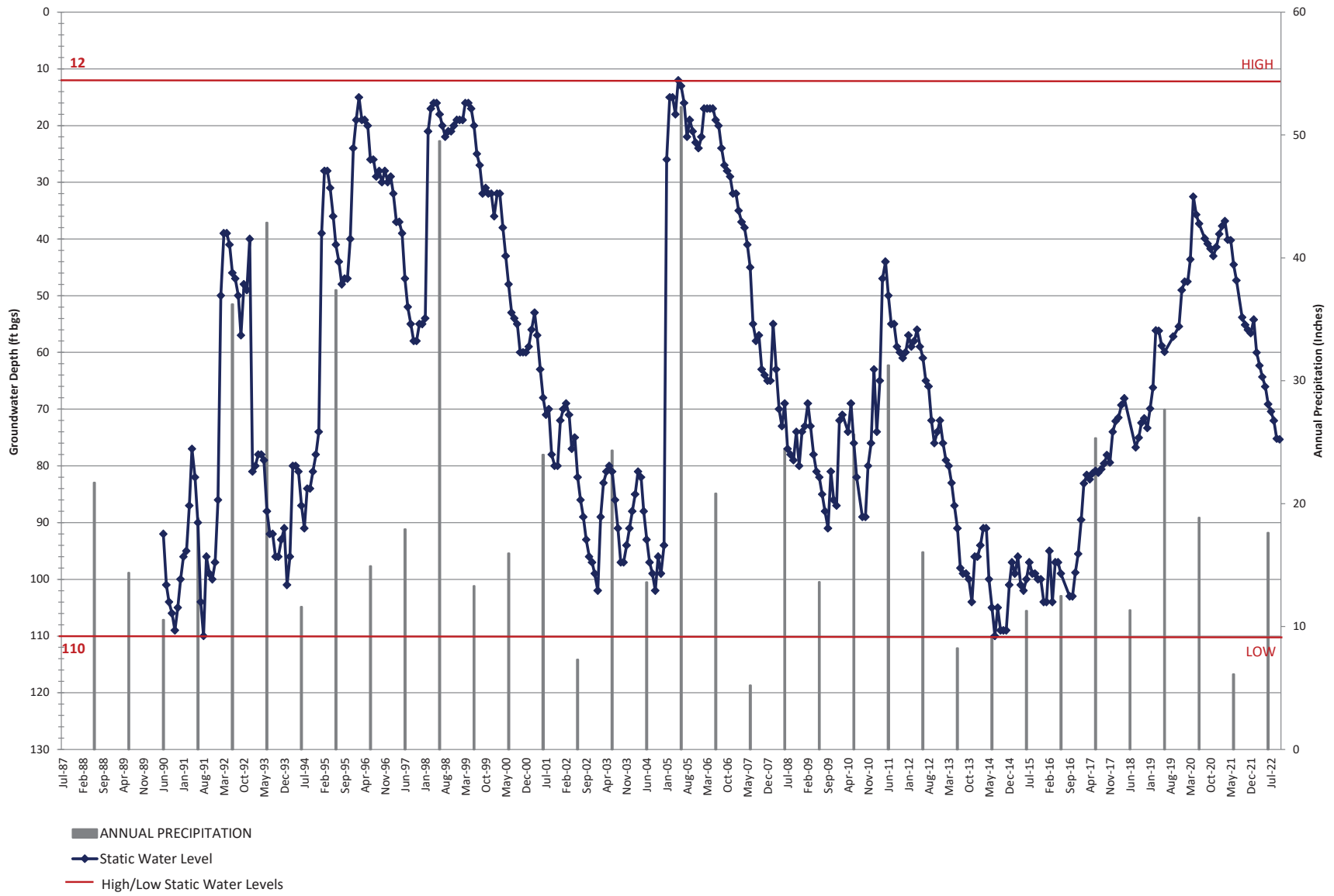
**SCV WATER WELL SAND CANYON #3**  
 STATIC WATER LEVEL VS PRECIPITATION



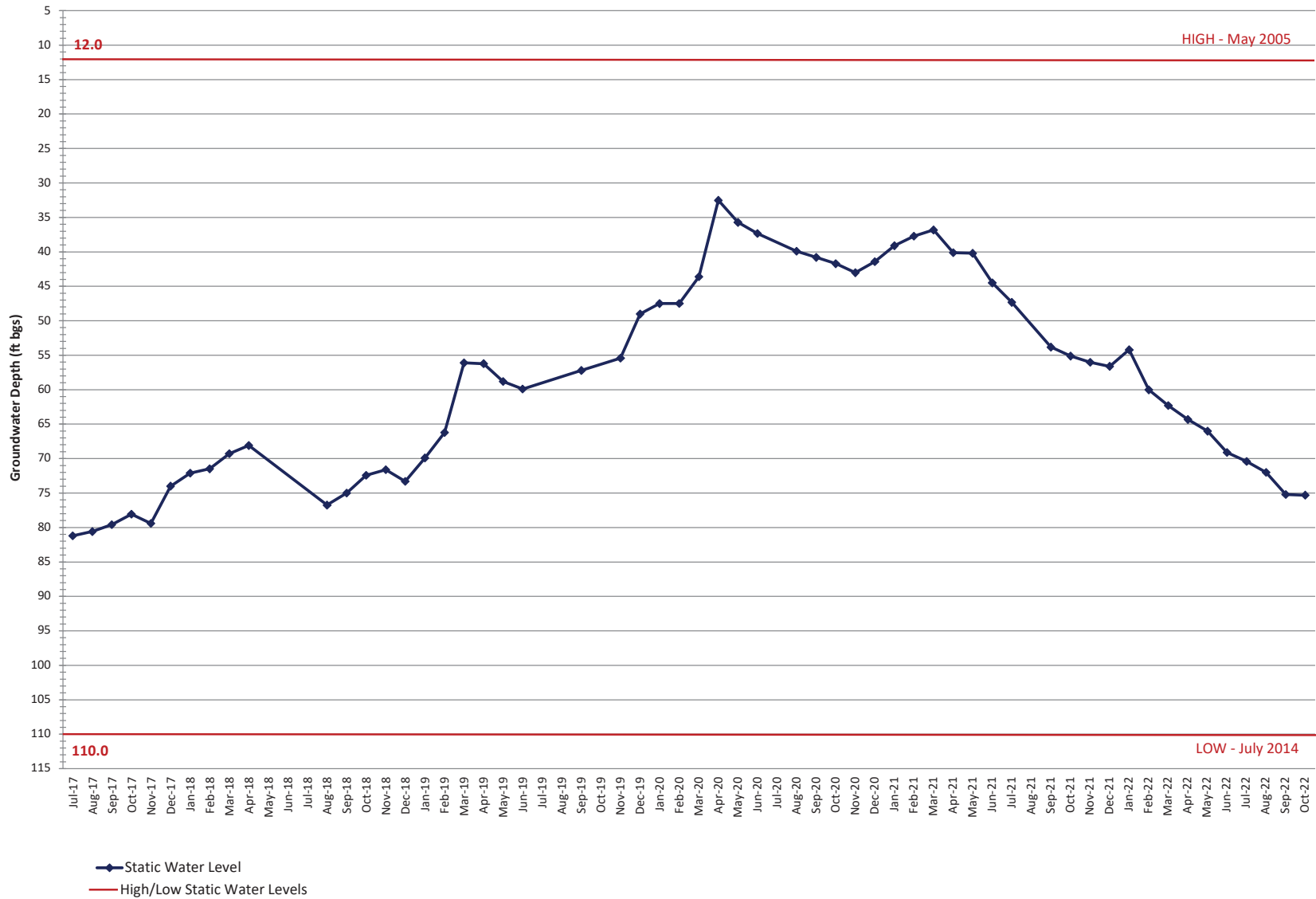
**SCV WATER WELL SAND CANYON #3**  
*STATIC WATER LEVEL*



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



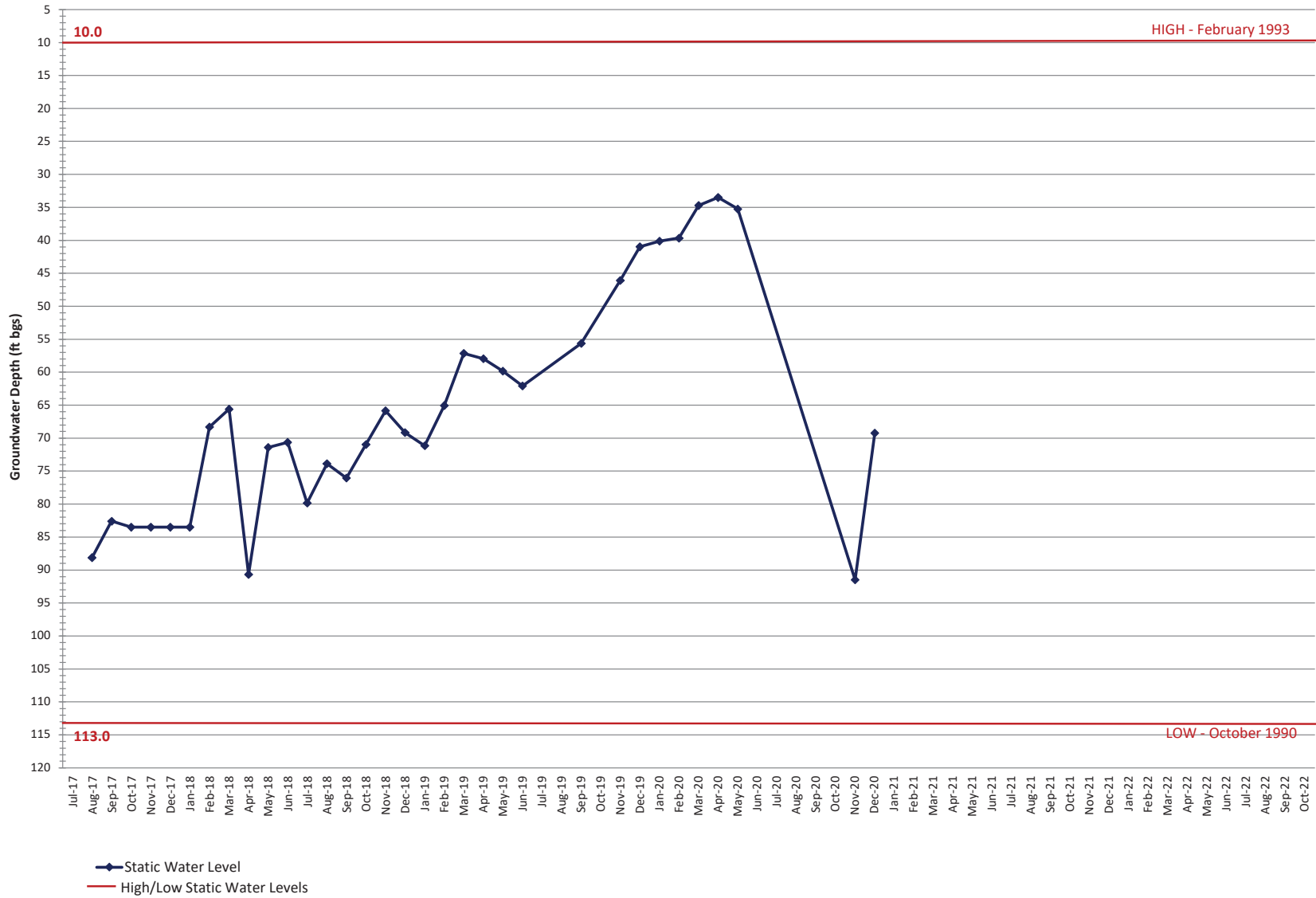
SCV WATER WELL LOST CANYON #2A  
 STATIC WATER LEVEL



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

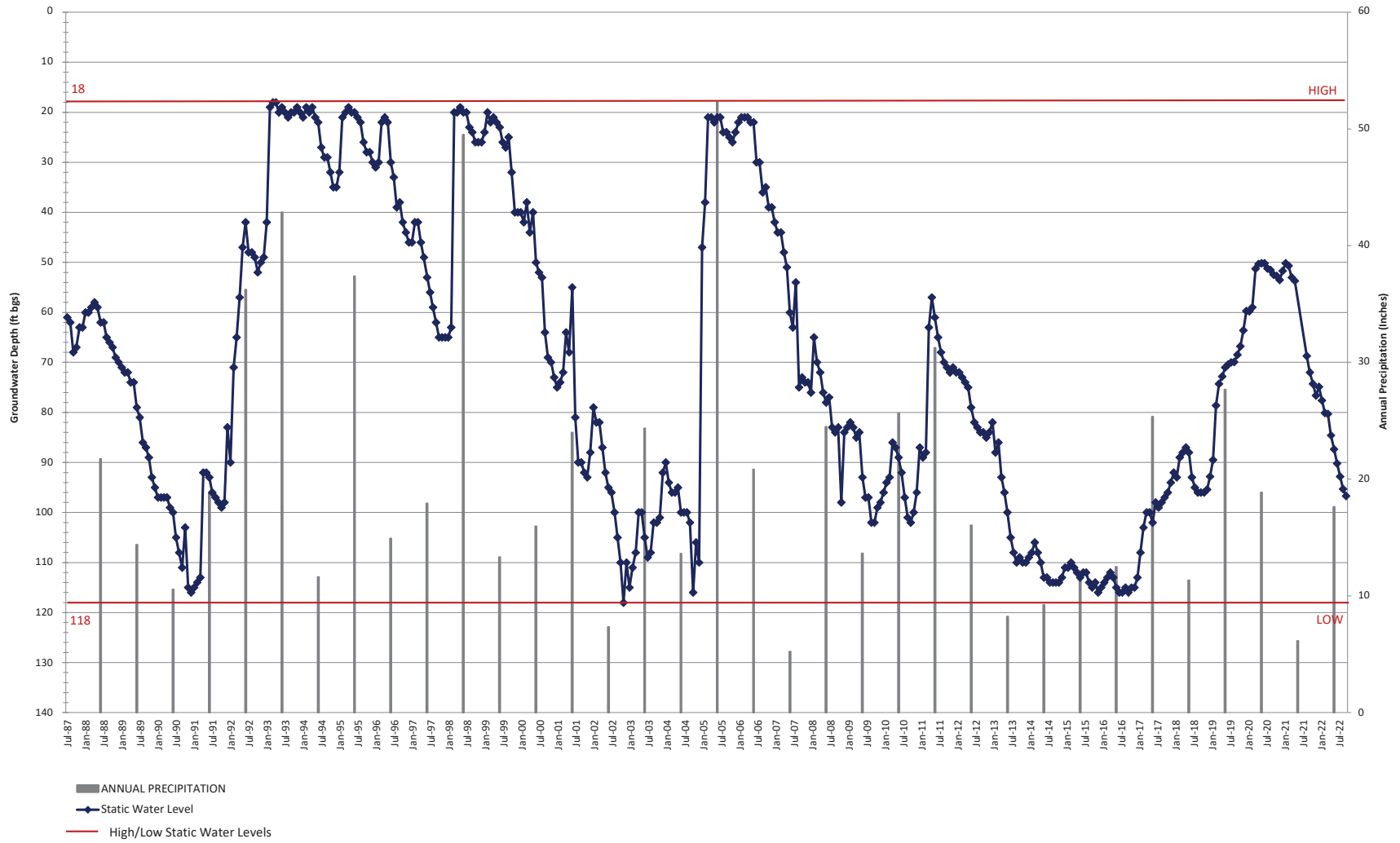


**SCV WATER WELL LOST CANYON #2**  
*STATIC WATER LEVEL*

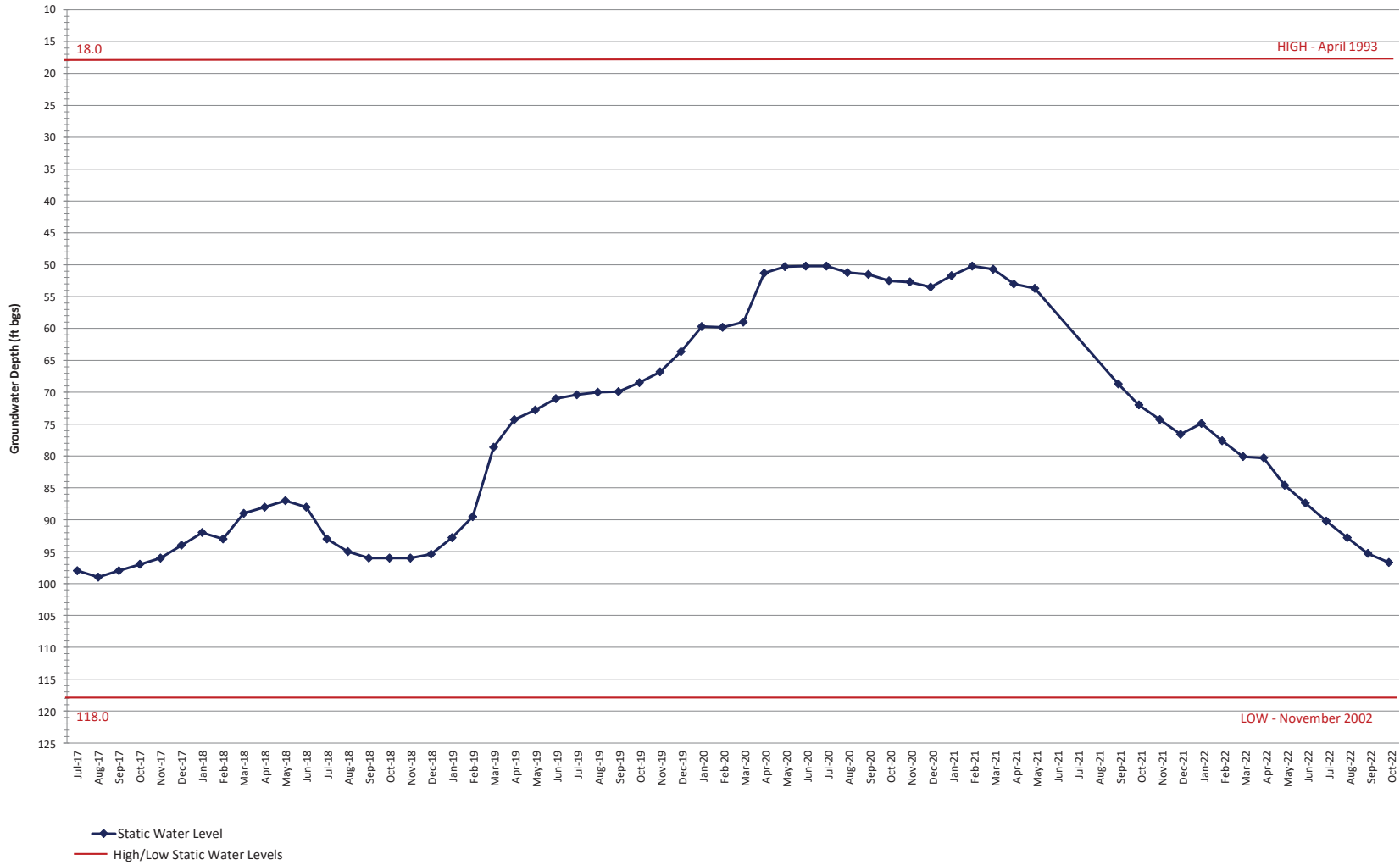




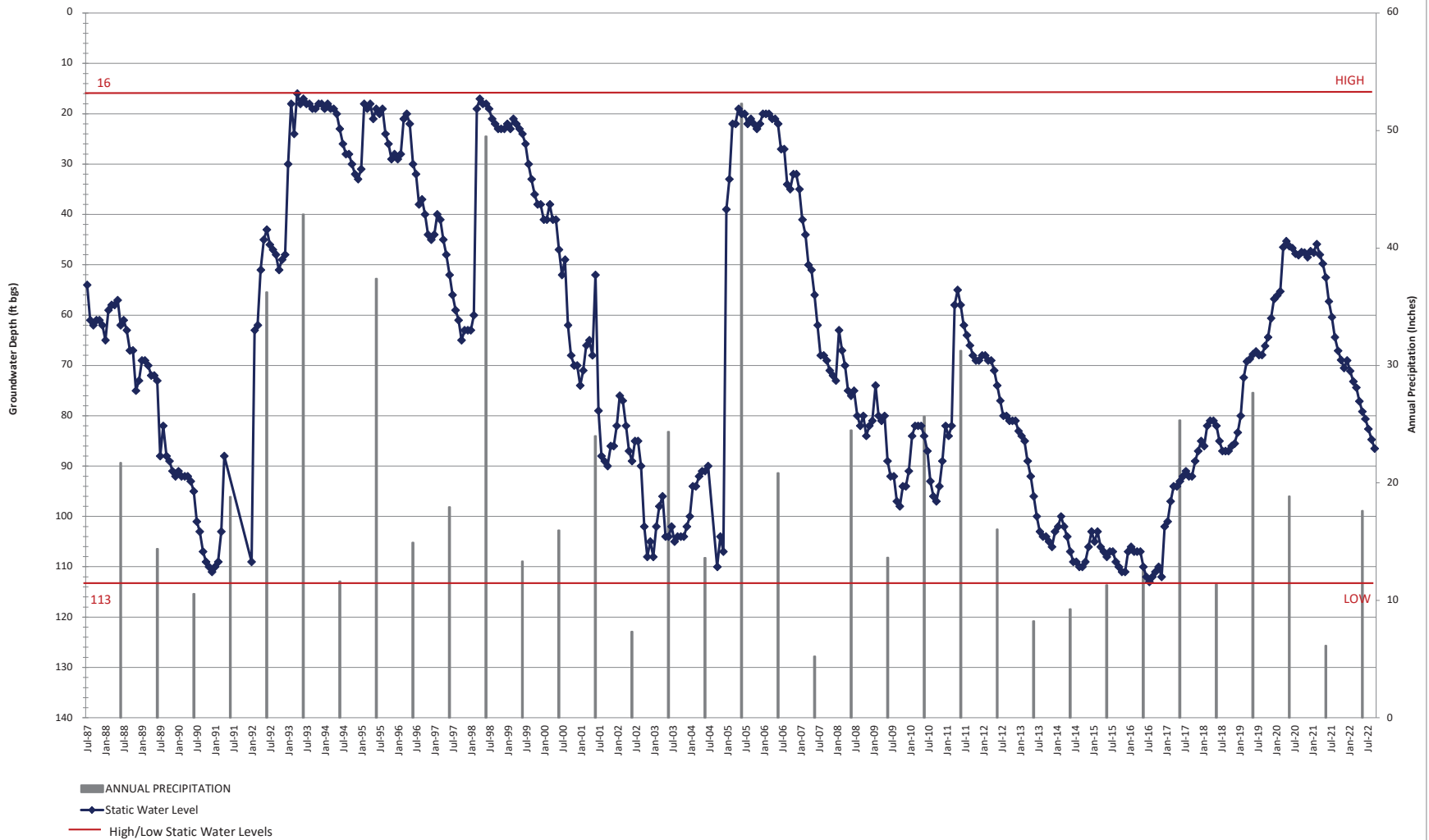
SCV WATER WELL P3  
 STATIC WATER LEVEL VS PRECIPITATION



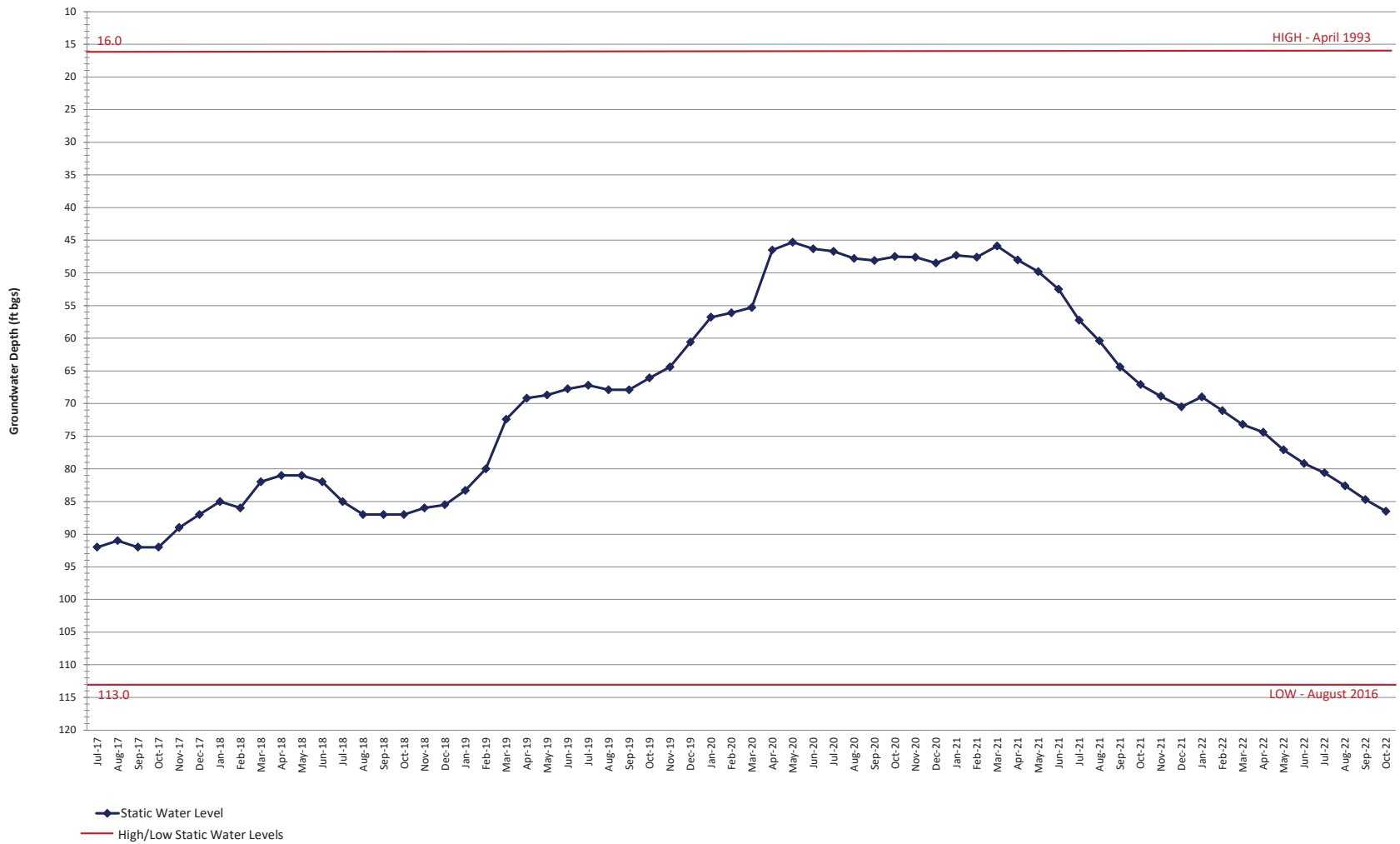
SCV WATER WELL P3  
 STATIC WATER LEVEL



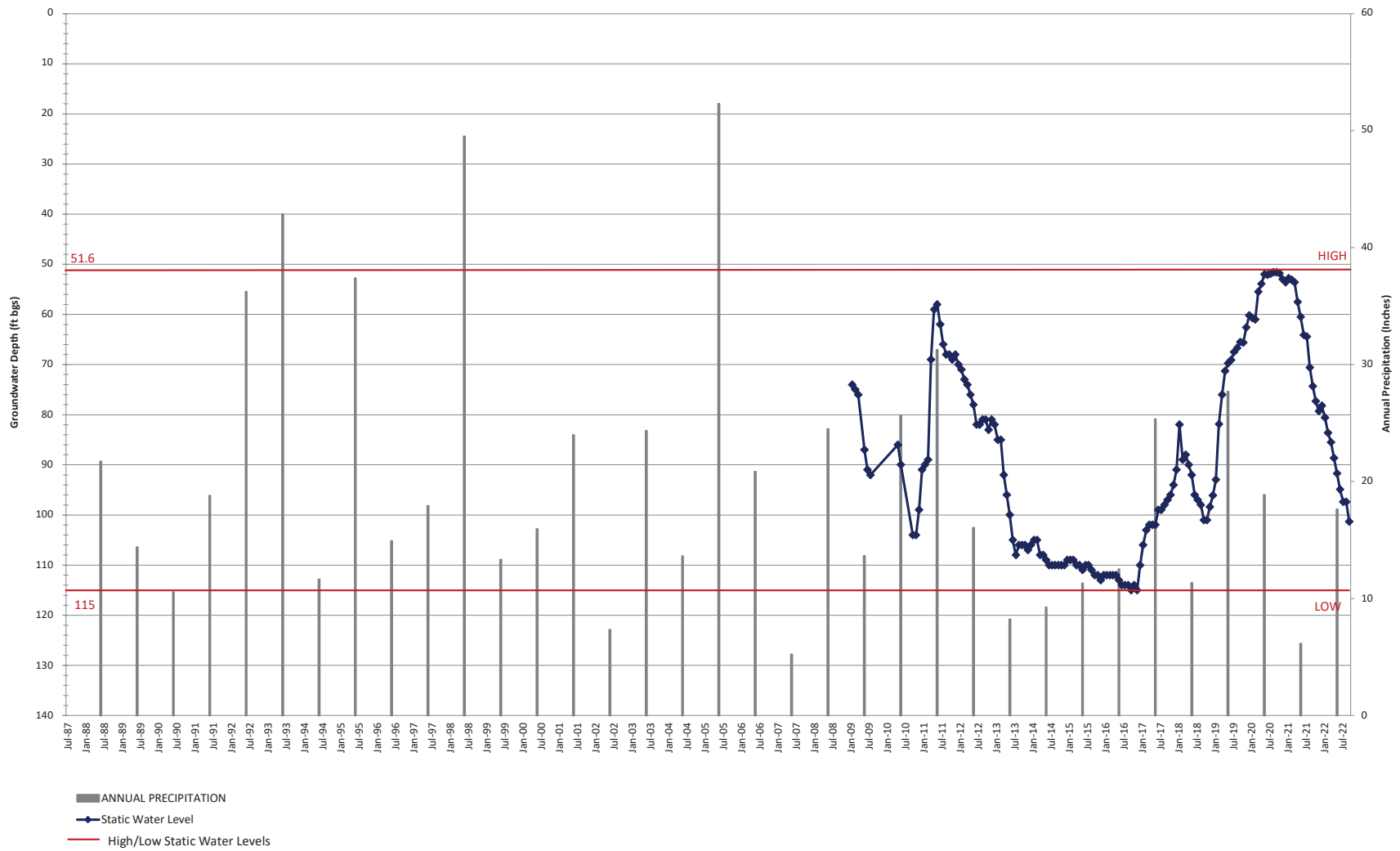
SCV WATER WELL P4  
 STATIC WATER LEVEL VS PRECIPITATION



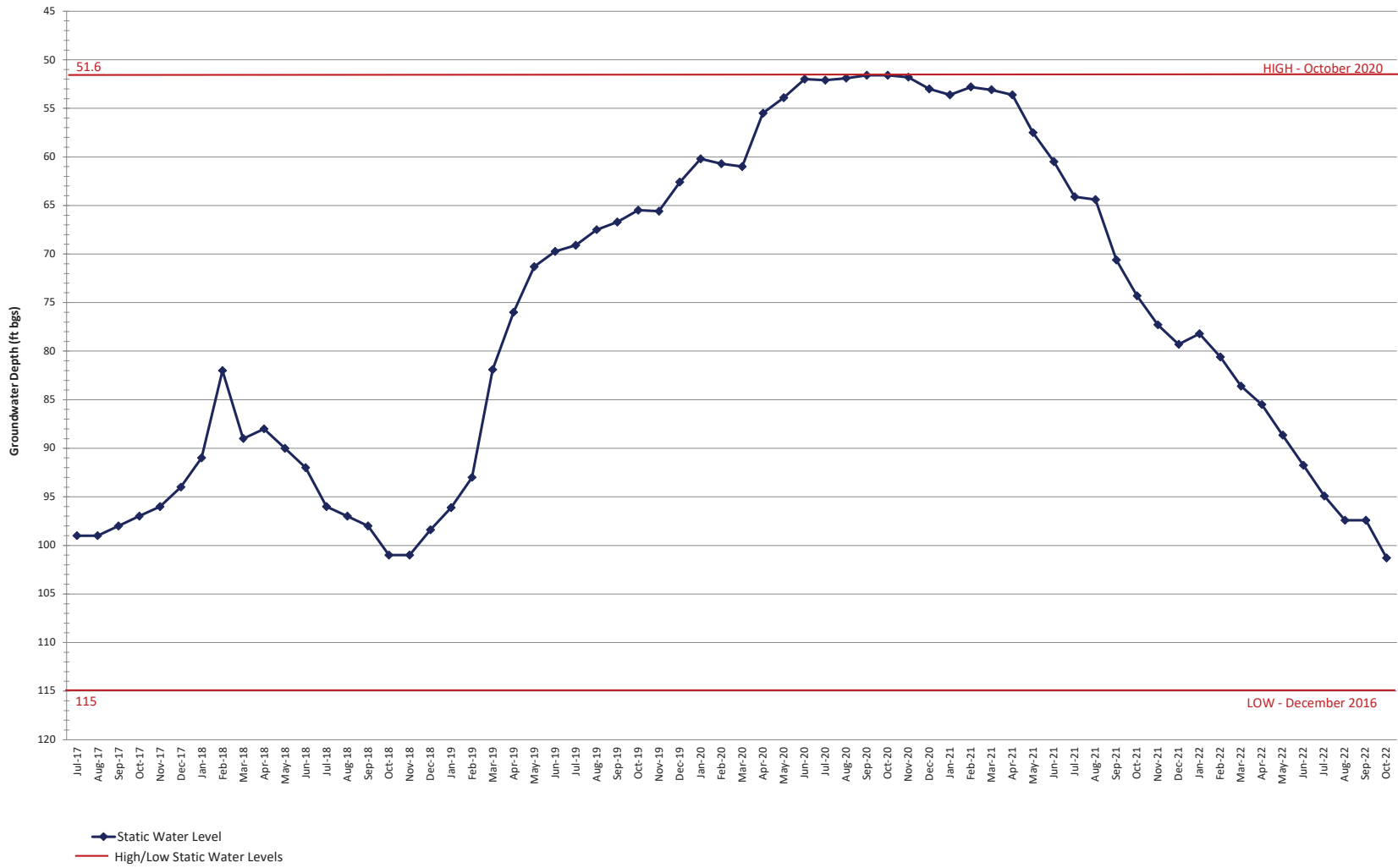
SCV WATER WELL P4  
 STATIC WATER LEVEL



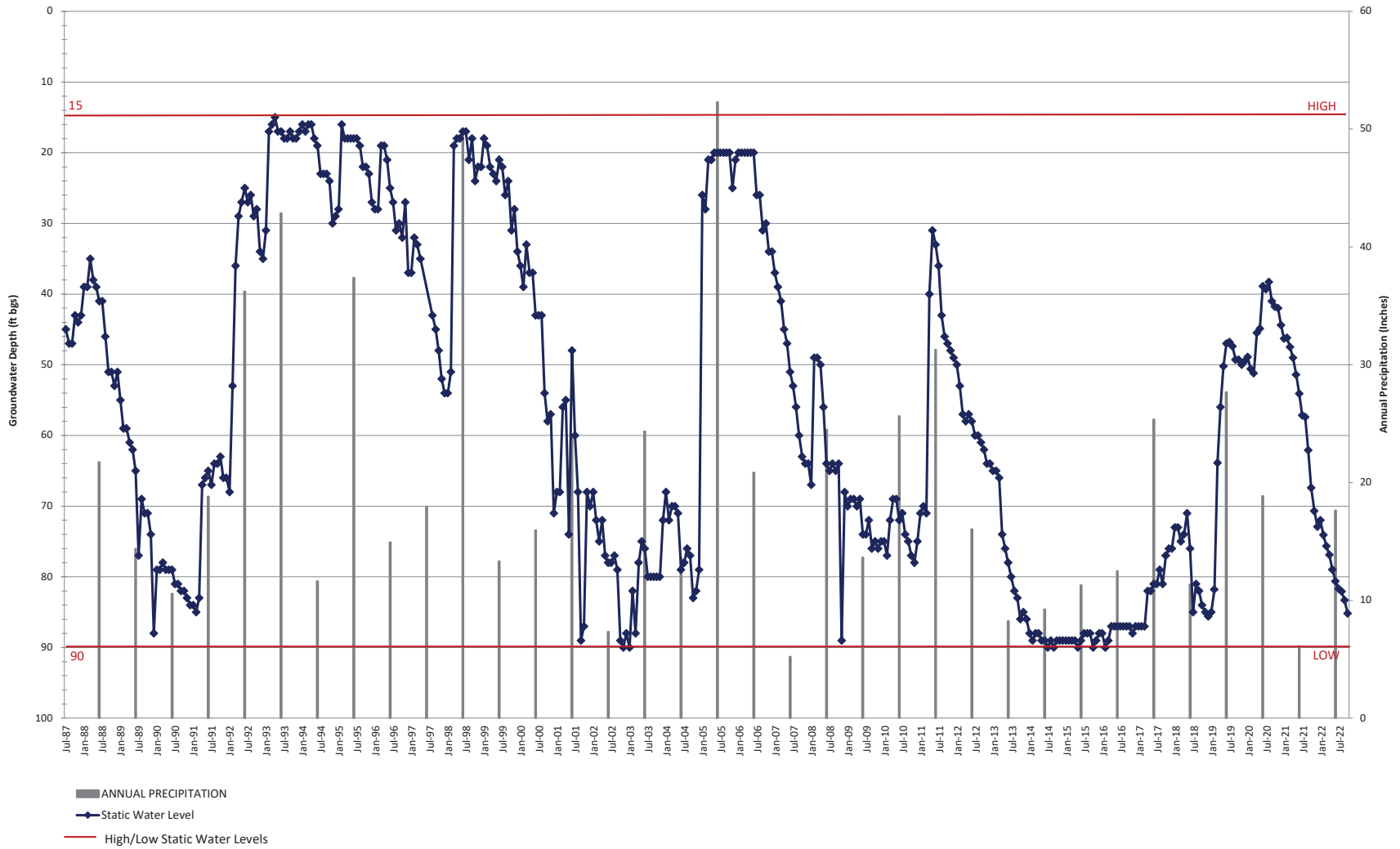
**SCV WATER WELL P5**  
 STATIC WATER LEVEL VS PRECIPITATION



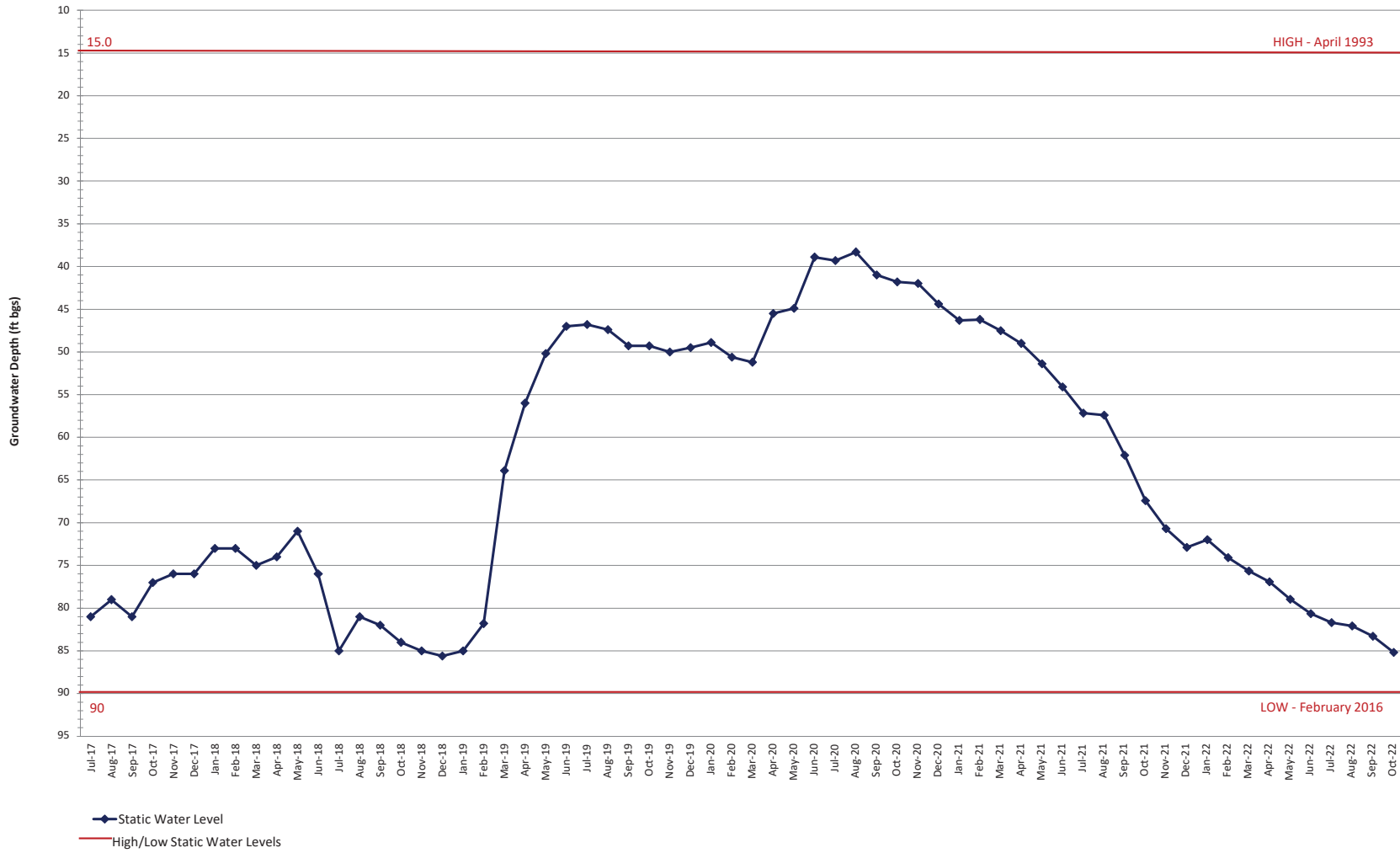
SCV WATER WELL P5  
STATIC WATER LEVEL



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 November 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.
Valley Center Well PFAS Groundwater Treatment Improvements Material Purchase	Evoqua Water Technologies, LLC.	\$512,802	\$0	0%	\$512,802	December 31, 2022	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	December 31, 2022	99%	Construction close-out is in progress.
Commerce Center Drive Pipeline	FivePoint / Blois Construction, Inc.	\$891,139.70	\$0	0%	\$891,139.70	December 31, 2022	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	February 28, 2023	98%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	February 28, 2023	90%	Construction is in progress.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	February 28, 2023	90%	Construction is in progress.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	February 28, 2023	83%	Construction is in progress.

<b>Project</b>	<b>Contractor</b>	<b>Original Contract Amount</b>	<b>Change Orders to Date</b>	<b>% Change Orders</b>	<b>Current Contract Amount</b>	<b>Scheduled Completion</b>	<b>Estimated % of Work Completed</b>	<b>Status</b>
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.  
9**

	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																																							
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 Civitec, 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																												

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

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		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													C		P																									
26	Recommend Adopting a Resolution Authorizing the General Manager to Apply for Grant Funding Under the 2022 Urban Community Drought Relief Program and Execute a Grant Agreement with the Department of Water Resources for the Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project and S Wells PFAS and Disinfection Facilities																P	P																									
27	Recommend Approval to Authorize the General Manager to Execute a Contract with TriPointe Homes IE-SD, Inc. for SCV Water's Fair Share Cost to Construct the Skyline Ranch Deane Pump Station, including Construction Quality Assurance and Control Testing, Construction Inspections, and Engineering Services During Construction																P	P																									
28	Recommend Approval of a Resolution Authorizing a Purchase Order to Lee & Ro Inc. for Planning Services for the Catala Pump Station and Pipelines Project																P	P																									
29	Recommend Approval of a Resolution Authorizing a Purchase Order to Hazen and Sawyer for Planning Services for the Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements Project																P		P																								
30	Adoption of Local Hazard Mitigation Plan																	P																									
31	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																			P	P																						
32	Recommend Approval Awarding Purchase Orders for a New Pump/Motor and Variable Frequency Drive for Upgrades at Well N8																			P			P																				
33	SCVWA Filter Media Replacement Project																			P			P																				
34	Recommend Approval of a Resolution Authorizing a Purchase Order for Planning Services for the Sand Canyon Reservoir Expansion																			P			P																				
35	Woodside																					P		P																			
36	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																						P				P																
37	Recommend Authorization for the General Manager to Execute a Purchase Order Amendment for Additional Design Services for Saugus Wells 3 & 4 Project																						P				P																
38	Recommend Approval of Resolution Adopting an Addendum to the EIR and Awarding a Purchase Order for Final Design Services for Backcountry Pump Station and Awarding a Purchase Order for Final Design Services for Backcountry Reservoir																						P				P																
39	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																						P				P																
40	Recommend Approval of a Resolution Awarding a Contract for the Installation of Approximately 1,200 Meters as Part of the AMI Meter Replacement Grant Program																						P				P																

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**Engineering and Operations Committee  
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		41	Recommend Approval of Resolution Awarding Construction Contract and Purchase Order for Construction Management and Inspection Services for Dickason Drive 14" PVC Replacement																								P		P																
42	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to Los Angeles Residential Community																								P			P																	
43	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																								P			P																	
44	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for RVWTP UST Replacement Project																												P	P															
45	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Valencia Market Place Pipeline Improvements																															P	P												
46	Recommend Approval of Resolution Awarding a Purchase Order for Final Design Services for Honby Tank Pipeline Improvements																																P				P								
47	Recommend Approval of Design of Pipeline in Sierra Highway from Dockweiler to Newhall Avenue																																P				P								
48	Approve a Resolution Authorizing the General Manager to Apply for Grant Funding under the Bureau of Reclamation's WaterSMART Drought Response Program for the S Wells PFAS and Disinfection Facilities.																																	P				P							
49	Recommend Approval to Fund Contractor Change Orders in Excess of Approved 10% Contingency, for the Phase 2B Recycled Water Tanks																																					P			P				
50	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Recycled Water Fill Station																																						P			P			
51	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Phase 2C South End Recycled Water Main Extension																																					P			P				
52	Recommend Approval of a Resolution Awarding a Materials Purchase Contract for the Well 205 Groundwater Treatment Project																																						P			P			
53	Recommend Approval of Construction of New Sand Canyon Plaza 1.5 MG Tank (Deane Zone) and Cost Sharing Agreement with Developer																																							P			P		
54	Recommend Authorizing the General Manager to Apply for Grant Funding Under the Federal Bureau of Reclamation FY2023 WaterSmart Water Energy Efficiency Grant Program (WEEG) for the Phase 2 Automated Metering Infrastructure Project																																							P			P		

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December 8, 2022

# SCV Water Property Interests

# Property Interest Terms

## LICENSE

Permission from the owner (Licensor) to an individual or an entity to use real property for a specific purpose (Licensee).

No interest in real property

- ❖ Cell sites

## LEASE

Agreement in which the landlord (Lessor) agrees to give the tenant (Lessee) the exclusive right to occupy real property for a term and for some type of consideration.

Leasehold interest in real property

- ❖ Central Park

## EASEMENT

Right or interest one party has in land of another.

Interest in real property

- ❖ Pipelines
- ❖ Access roads

## FEE SIMPLE

Ownership without limitation or end.

- ❖ Infrastructure
- ❖ Office buildings

## QUITCLAIM

Transfers interest in a property without stating the nature of the interest or rights.

- ❖ Easements
- ❖ Fee simple





# SCV Water Landlord



Catala Tank

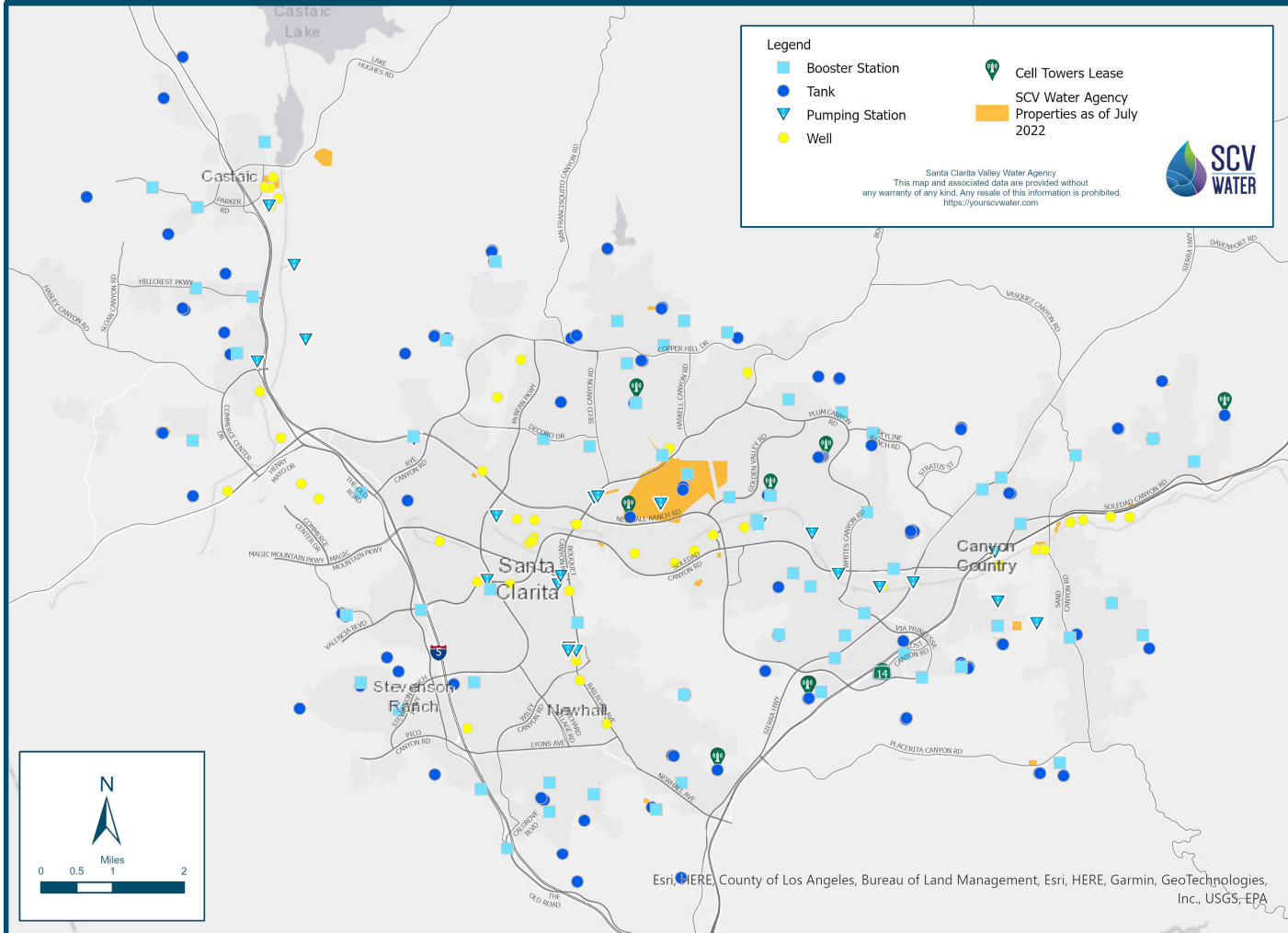


Central Park



22722 Soledad Canyon Rd

# SCV Water Facilities



# Acquisition Process

Type of Acquisition	Board Action
Purchase	Approval - Fair market value of land > \$100K
Donation/Dedication	Approval - Fair market value of land > \$100K
Eminent Domain	Approval - Condemnation

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