



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 9, 2021 AT 5:30 P.M.

Santa Clarita Valley Water Agency
Teleconference
No Physical Location

Join the meeting from your computer, tablet or smartphone by clicking the link below.

Zoom Webinar <https://scvwa.zoomgov.com/j/1600647594>

Or

Call in using your phone
1-(833)-568-8864
Webinar ID: 160 064 7594

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

Signed: William Cooper
William Cooper, Chair

Date: 12/2/2021

Posted on December 2, 2021

[This page intentionally left blank.]



SCV
WATER



**SCV WATER AGENCY
TELECONFERENCE
RESCHEDULED ENGINEERING AND
OPERATIONS COMMITTEE MEETING**

THURSDAY, DECEMBER 9, 2021

START TIME: 5:30 PM (PST)

Join the Board meeting from your
computer, tablet or smartphone:

<https://scvwa.zoomgov.com/j/1600647594>

-OR-

Listen in Toll Free by Phone

+1-(833)-568-8864

Webinar ID: 160 064 7594

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

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

To participate in public comment via phone:

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

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

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

**All written comments received after 4:30 PM the day of the meeting will be posted to [yourscvwater.com](https://www.yourscvwater.com) the next day. Public comments can also be heard the night of the meeting.

Please Note: Pursuant to the provisions of AB 361 this meeting is being held remotely. The SCV Water Board will continue to hold remote Board and Committee meetings due to the continuing State of Emergency for COVID-19 and state and local official's continuance to impose or recommend measures to promote social distancing. The public may not attend meetings in person. The public may use the above methods to attend and participate in the public Committee meetings.

[This page intentionally left blank.]



Date: December 1, 2021

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

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

The rescheduled **Engineering and Operations Committee** is scheduled to meet via teleconference on **Thursday, December 9, 2021 at 5:30 PM**, call-in information is listed below.

TELECONFERENCE ONLY
NO PHYSICAL LOCATION FOR MEETING

TELECONFERENCE NOTICE

Pursuant to the provisions of AB 361 this meeting is being held remotely. The SCV Water Board will continue to hold remote Board and Committee meetings due to the continuing State of Emergency for COVID-19 and state and local official's continuance to impose or recommend measures to promote social distancing. Any Director may call into the Agency Committee meeting using the **Agency's Call-In Number 1-(833)-568-8864, Webinar ID: 160 064 7594 or Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1600647594>** without otherwise complying with the Brown Act's teleconferencing requirements.

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

If the State of Emergency for COVID-19 expires prior to this meeting and after the posting of this Agenda, this meeting will be held in person at the Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350 in the Board and Training Rooms.

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

MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	Public Comments – Members of the public may comment as to items within the subject matter jurisdiction of the Agency that are not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so at the time each item is considered. (Comments may, at the discretion of the Committee Chair, be limited to three minutes for each speaker.)	
2. *	Recommend Approval of a Resolution Awarding a Contract for Fairway Water Storage Tank Coating Project	1
3. *	Recommend Approval of a Resolution Awarding a Materials Purchase Contract for the Santa Clara and Honby Wells PFAS Groundwater Treatment Project with Aqueous Vets	13
4. *	Recommend Adopting a Resolution Authorizing the General Manager to Apply for Grant Funding Under the 2021 Urban and Multibenefit 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	41
5. *	Monthly Operations and Production Report	51
6. *	Capital Improvement Projects Construction Status Report	157
7. *	Committee Planning Calendar	159
8.	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
9. *	General Report on Engineering Services Section Activities	163
10.	Adjournment	
*	Indicates Attachment	
◆	Indicates Handout	

NOTICES:

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Elizabeth Adler, Executive Assistant, at (661) 297-1600, or in writing to Santa Clarita Valley Water Agency at 26515 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.

December 1, 2021

Page 3 of 3

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 2, 2021.

MBS


[This page intentionally left blank.]



COMMITTEE MEMORANDUM

DATE: November 10, 2021

TO: Engineering and Operations Committee

FROM: Mike Alvord 
Director of Operations & Maintenance

SUBJECT: Recommend Approval of a Resolution Awarding a Contract for Fairway Water Storage Tank Coating Project

SUMMARY

Staff recommends that the interior lining of the Fairway Tank be removed and replaced, and that spot paint repairs be made to localized areas of its exterior epoxy/urethane system to maintain the integrity and service life, based on a condition assessment and inspection by CSI Services, Inc. (CSI). The tank was constructed in 1999 and the original lining of the tank is reaching the end of its service life. Staff received bids from six (6) qualified contractors and recommends awarding the contract to Associated Tank Constructors, Inc. as the lowest responsible bidder in the amount of \$319,000. The original budget estimate, which is included in the FY21/22 Capital Improvement Program (CIP) for Storage Tank Improvements was \$250,000. The most recent engineering estimate was \$400,000. However, staff budgeted an additional \$205,000 for another tank coating project, which has been deferred until next fiscal year. Therefore, there are enough funds to cover the entirety of this project, which also includes coating inspection services.

DISCUSSION

The CIP includes periodic tank inspections and recoating/relining (as required), in accordance with AWWA D101-53 (79) Standards, to maintain the integrity and extend the service life of storage tanks. The Fairway Tank is one of eight (8) tanks located in the North Oaks Pressure Zone. Erected in 1999, it is a 104 ft diameter, 24 ft tall welded steel above-ground tank with a capacity at overflow of 1.46 million gallons. The interior linings are the original coatings. All of the interior steel surfaces and appurtenances are coated with a thin film epoxy lining. The internal roof lap seams and roof/shell chime are not caulked.

An inspection of the tank was performed by CSI to assess the condition of the tank in March of 2021. The tank interior lining is in poor condition above the highest water level (HWL) and in fair condition below the HWL. The vapor area has rust on edges, and the girder has some coating delaminating from the steel. The area below the HWL has some fields of rust spots and blistering on the lower shell course. Some deep pitting is present on the tank bottom, some of which had been patched previously with 100% solids epoxy.

Staff contracted with CSI for the coating technical specifications and engineering estimate. The current engineering estimate is approximately \$150,000 more than the original budgeted amount. This is due to current labor and material constraints. Staff issued a Request for Bids by posting to PlanetBids on October 11, 2021. Six (6) bids were received on November 1, 2021.

Staff reviewed the bids and recommends awarding the contract to Associated Tank Constructors, Inc. as the lowest responsible bidder.

Bid results are as follows:

Contractor	Bid Amount
Associated Tank Constructors, Inc.	\$319,000
Harbor Coating & Restoration	\$337,500
Simpson Sandblasting & Special Coatings	\$386,408
Crosno Construction	\$412,730
Advanced Industrial Services	\$450,500
Unified Field Services	\$593,132

FINANCIAL CONSIDERATIONS

Funding for the Fairway Water Storage Tank Coating Project is provided through the CIP Storage Tank Improvement budget and is included in the FY2021/22 Budget.

RECOMMENDATION

That the Engineering and Operations Committee recommends that the Board of Directors approve the attached resolution awarding the Fairway Water Storage Tank Coating Project to Associated Tank Constructors, Inc. for \$319,000.

Attachment

RESOLUTION NO. SCV-XXX

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SANTA CLARITA VALLEY WATER AGENCY
AWARDING A CONTRACT FOR THE FAIRWAY WATER STORAGE TANK COATING
PROJECT TO ASSOCIATED TANK CONSTRUCTORS, INC.
IN THE AMOUNT OF \$319,000**

WHEREAS, all bid proposals submitted to the Agency pursuant to the Agency's specifications for the Fairway Water Storage Tank Coating Project were received at the Agency's offices on Monday, November 1, 2021 at 2:00 p.m., in full accordance with the law and the Agency's customary procedures; and

WHEREAS, the Board of Directors finds, after considering the opinion of staff, that the total bid of Associated Tank Constructors, Inc. in the amount of \$319,000 is the lowest responsible bid of six bids submitted, and that said bid substantially meets the requirements of said construction contract documents; and

WHEREAS, it is in the Agency's best interest that the Board of Directors, on behalf of the Agency, authorize its General Manager to accept the \$319,000 bid.

NOW, THEREFORE, BE IT RESOLVED that the Agency's Board of Directors does authorize its General Manager to accept said low bid and does therefore authorize the Agency's General Manager or its Chief Operating Officer to issue a Notice of Award to Associated Tank Constructors, Inc., hereby found to be the "lowest responsible bidder" for the Fairway Water Storage Tank Coating project for the total sum of \$319,000.

RESOLVED FURTHER that the Agency's General Manager or its President and Secretary are thereupon authorized, upon receipt of appropriate payment and performance bonds, appropriate certificates of insurance and an executed Contract Agreement from Associated Tank Constructors, Inc., all of which must be approved by General Counsel, to execute the said Contract Agreement on behalf of the Agency.

RESOLVED FURTHER that the Agency's General Manager or Chief Operating Officer are thereafter authorized to execute and forward to Associated Tank Constructors, Inc., an appropriate Notice to Proceed.

President

DATED: December 2, 2021

Secretary

[This page intentionally left blank.]



December 9, 2021

SCV Water

Fairway Water Storage Tank Coating Project
Engineering & Operations Committee

SCV Water Storage Tank Information

- 99 storage tanks
- Combined distribution storage of more than 160 MG (does not include Sand Cyn Reservoir or treatment plant storage)
- Periodic general inspections - weekly
- Inspection and cleaning - every 3 - 5 years (internal and external)



Steel Storage Tank Coatings

- Epoxy coatings are designed to protect the integrity of steel tanks.
- Exterior and interior coatings are designed to last between 20 - 30 years.
- AWWA M42 recommends inspections every 3 - 5 years

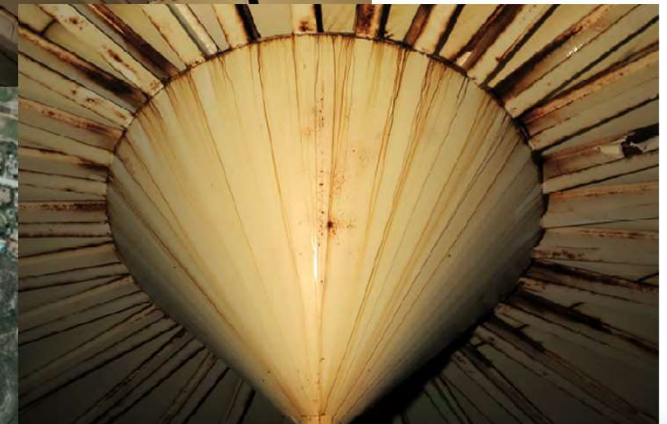
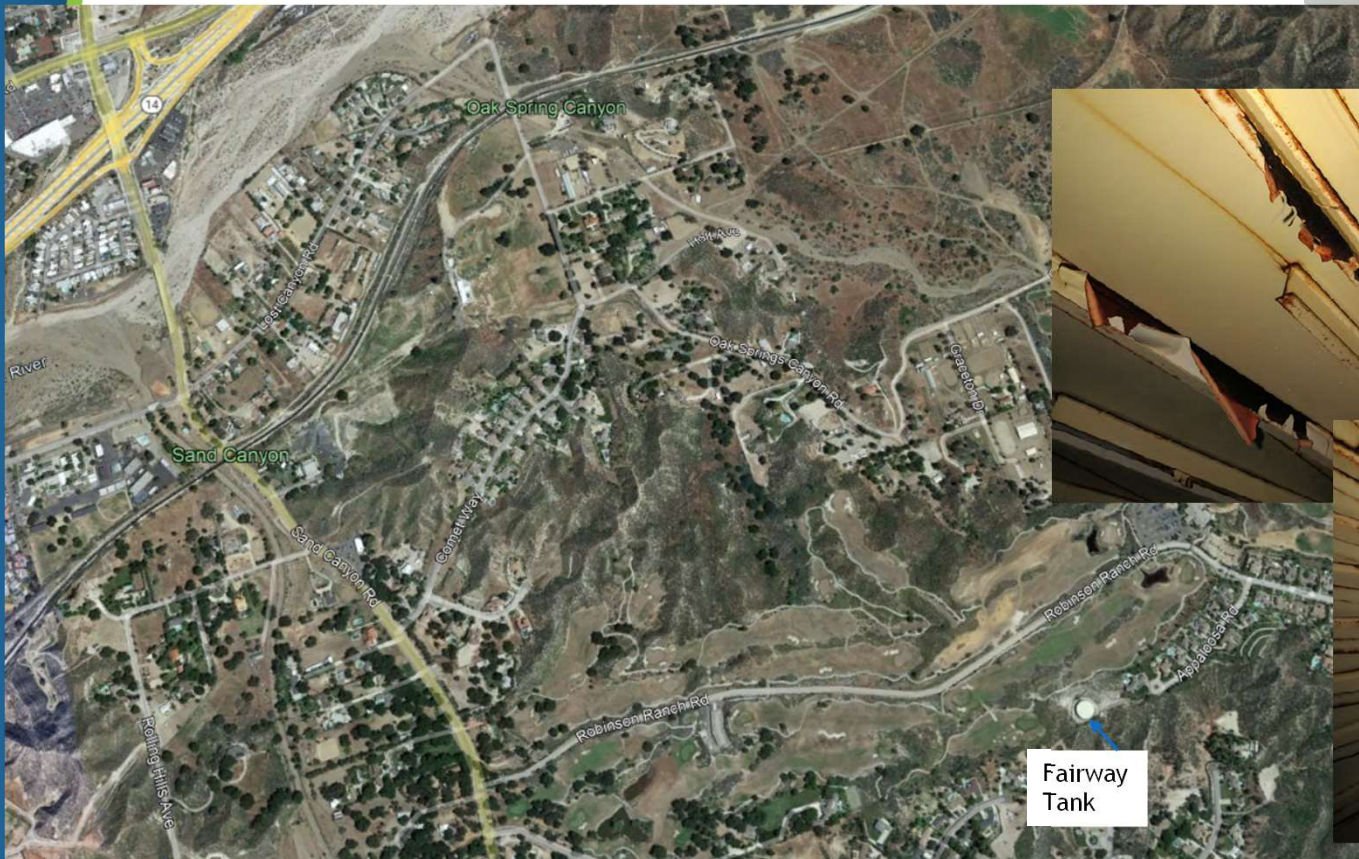


Fairway Tank Overview

- Constructed in 1999
- Condition assessment by CSI Services, Inc.
 - Conducted March 2021
 - Interior coating is original
 - Replacement - now
 - Exterior coating is original
 - Replacement - spot repairs
- Bids received November 1, 2021
- Complete work in Quarter 3, FY 21/22



Fairway Tank



Bid Results

Contractors	Bid Amount
Associated Tank Constructors, Inc.	\$319,000
Harbor Coating & Restoration	\$337,500
Simpson Sandblasting & Special Coatings	\$386,408
Crosno Construction	\$412,730
Advanced Industrial Services	\$450,500
Unified Field Services	\$593,132

- Lowest Responsible Bid is \$319,000 by Associated Tank Constructors, Inc.
- Engineer's Estimate is \$400,000
- Project Funds were approved in FY 2021/2022 Budget

Recommendations

- That the Engineering & Operations Committee recommends that the Board of Directors approve a resolution authorizing the General Manager to enter into contract with Associated Tank Constructors, Inc., for the Fairway Water Storage Tank Coating Project in the amount of \$319,000.



[This page intentionally left blank.]



COMMITTEE MEMORANDUM

DATE: December 1, 2021

TO: Engineering and Operations Committee

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

SUBJECT: Recommend Approval of a Resolution Awarding a Materials Purchase Contract for the Santa Clara and Honby Wells PFAS Groundwater Treatment Project with Aqueous Vets

SUMMARY

SCV Water is planning to construct treatment improvements to treat per- and polyfluoroalkyl substances (PFAS) at its Santa Clara and Honby Wells. The Board of Directors authorized final design services at the September 15, 2020, Board meeting and design is in-progress. The next step is to acquire the long lead materials. It is anticipated that some of the treatment equipment including the treatment vessels may take up to approximately 10 months for fabrication and delivery. As a result, staff is recommending the purchase of these long lead materials prior to construction to return the Santa Clara and Honby Wells to service as soon as possible. Staff is recommending approval of a materials purchase contract with Aqueous Vets.

DISCUSSION

The Santa Clara Well is located at 27100 Furnival Avenue and the Honby Well is located at 26930 Ruether Drive. SCV Water owns and operates both wells which have a capacity of up to 1,500 and 950 gallons per minute, respectively. Currently, both wells are not in service due to PFAS.

SCV Water is planning to install a PFAS treatment system using Ion Exchange technology which includes bag pre-filters and treatment vessels that will capture and remove PFAS to non-detect limits before entering the distribution system for both Wells at the Sand Canyon Pump Station site. The treatment vessels are anticipated to potentially take up to approximately 10 months for fabrication and delivery.

The materials bid solicitation was advertised in accordance with SCV Water's Purchasing Policy, with notices in *The Signal* on three different dates and on SCV Water's website. On October 21, 2021, two bids were received, and a summary of the bids is presented below:

Bidder	Bidder Office Location	Total Bid Price
Calgon Carbon Corporation	Moon Township, PA	\$ 627,368
Aqueous Vets	Danville, CA	\$ 814,050

Although Calgon Carbon Corporation (Calgon) had submitted the lowest apparent bid, staff has determined their bid to be non-responsive. Calgon's bid form does not comply with the Contract Documents as identified in the following items:

1. Wrong Bid Form – Calgon did not use the correct Bid Form. Calgon used a Bid Form that was replaced by Addendum No. 1.
2. Calgon's attachment page 32 states that the Calgon Proposal does not include any Payment/Performance bonds and that "the costs of any such bonds will be added to the quoted pricing".
3. Bid Form Line Items – Bid Items 2 & 3. SCV Water's Instructions to Bidder IB-25 states "Bidders shall include all applicable taxes, and fees in their bid price." Per Calgon's Proposal, item 4 of the Commercial Notes on Page 32 states "Unless otherwise noted; all pricing provided is exclusive of any Sales Tax." There is no mention anywhere that taxes have been included in the proposal, which validates the statement that sales taxes are excluded.
4. Unapproved Equipment or Material Manufacturers – Calgon's proposal identified a bag filter manufacturer that does not comply with the Contract Documents.
5. Bid Form Line Items – Bid Items 4 & 5. Calgon did not enter a number to deliver and unload the vessels and the pre-filters. Per Page 31 of Calgon's Proposal, under Items not included in this offer, "Receipt, off-loading (and storage) of adsorption system equipment" are excluded from their pricing.
6. Project Schedule – Special Conditions document SC-3 "Work will be completed within two hundred seventy (270) calendar days from the Notice to Proceed." Per the Schedule on Page 31 of Calgon's Proposal, Submittals will be provided 3 weeks after receipt of a PO and the delivery will take place 40-44 weeks after the return of submittal/release fabricate. On a best-case scenario, this puts Calgon's overall schedule at 43 weeks (or 301 days).
7. Price Validity – Notice Inviting Bids states that "No Bidder may withdraw its bid for a period of ninety (90) days after the date of opening the bids, within which time an award may be made." Item 1 of the Commercial Notes on Page 32 of Calgon's Proposal notes that "Pricing to remain valid for 30 days from date of issue".

Calgon's bid is therefore non-responsive. Staff's recommendation is to reject the bid as non-responsive. This proposed action is included with the attached resolution.

In accordance with the Contract Documents Instructions to Bidders, Calgon has five days from SCV Water sending of its "Notice of Intent to Reject" the bid to file a protest. The Notice of Intent to Reject letter, which is included with this staff report (Exhibit A), was sent on November 8, 2021. Calgon submitted a protest letter on November 10, 2021, which is also attached to this staff report (Exhibit B) and is asking for SCV Water to accept and reconsider their proposal. Aqueous Vets (AV) also submitted a letter on October 21, 2021, which is also attached to this staff report (Exhibit C). AV's letter is their review analysis of Calgon's Bid and has identified some bidding discrepancies.

Calgon's protest letter ultimately does not change the analysis provided by staff or legal counsel or present evidence that Calgon's bid is responsive. For discrepancies #2, #3 and #7 above, Calgon argues that the proposal attached with Calgon's bid does not actually mean what it says. For example, Calgon states that its bid is inclusive of all sales tax. However, SCV Water has to take the attachment at face value. It plainly states that bond and sales tax costs will be added and that the bid is only valid for 90 days. Each of these discrepancies are material and cannot be waived because they affect the amount of the bid. Sales tax and bond costs would be added

as change orders, and the 30-day price hold could enable a lower bid because Calgon can factor less contingency into its pricing and risks an increased amount if SCV Water does not award the contract within 30 days. The 90-day bid hold is a critical element to SCV Water because of the need to go through the contract award process and the risk of rising costs over time. Similarly, discrepancy #5 also goes to the bid price. Even if Calgon believes a local contractor is more cost effective, not bidding this amount will require a future adjustment in the bid amount. By leaving out a cost element and necessitating SCV Water to incur future costs outside of the contract, Calgon is not submitting a fully responsive bid that can be compared in an “apples to apples” manner to other bids. Discrepancy #6 is also material in that the bid solicitation requires a strict contract time for completion. Calgon states that it is “confident” that it can achieve completion within the 270-day contract time. However, Calgon’s confidence level is not the issue; it is required to bid within the terms of the solicitation in order to be responsive.

Discrepancies #1 and #4 involve issues that public agencies may be able to waive in some instances. Given that the bid is clearly non-responsive for other reasons, whether a waiver is appropriate for these particular items is moot, and the Committee does not need to consider whether these issues further.

The second bid is from Aqueous Vets for a total of \$814,050. They have provided all the required bid information and therefore their bid appears to be responsive. The engineer’s estimate for the project is \$794,000. Aqueous Vets is a licensed business in California and is registered with the Department of Industrial Relations. Therefore, Aqueous Vets appears to be the lowest responsive responsible bidder.

The Board of Directors may also elect to reject all bids and readvertise the project again. This action may result in higher bid prices due to material price volatility, especially steel. Staff recommends that the Board of Directors accept said bid from Aqueous Vets.

This project helps meet SCV Water Strategic Plan Objective D.2: “Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)”. Also, this project will meet SCV Water’s objective: “Complete design and initiate construction of the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Project.”

CEQA DETERMINATION

The proposed action today is authorizing the purchasing of treatment vessels for PFAS treatment at the Santa Clara and Honby Wells Project. The whole of the action also includes construction and operation of the project. The term “project” in CEQA refers to the whole of an action and to the underlying activity being approved, not to each governmental approval. (CEQA Guideline §15378(a), (c)–(d).) This definition ensures that the action reviewed under CEQA is not the approval itself but the development or other activities that will result from the approval. Therefore, the project is subject to CEQA.

Based on the final design, and because the project construction is a minor alteration limited to construction within SCV Water’s existing facility property and the City of Santa Clarita Rights-of-Way, construction and operation of this project is found to be categorically exempt under the provisions of CEQA and the State CEQA Guidelines as described below:

- The project, aka the whole of the action, qualifies for an exemption under CEQA guidelines Section 15301 Class 1 Minor Alterations to Existing Facilities because it is a

minor alteration of an existing public facility and it concerns proposed new mechanical equipment involving negligible or no expansion of use, i.e. no additional extraction of water, beyond that existing at the time of the lead SCV Water's determination.

- The project, aka the whole of the action, also qualifies for an exemption under CEQA guidelines Section 15303 Class 3 New Construction or Conversion of Small Structures because the water main extension and treatment system reflect limited construction of facilities where only minor modifications are made.
- None of the exceptions listed in Section 15300.2 of the CEQA Guidelines would apply to the action.

FINANCIAL CONSIDERATIONS

The project is included in the SCV Water's FY 2021/22 Capital Improvement Budget for the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Project. The project's total estimated cost, including planning, design, construction management and inspection, construction, and miscellaneous costs, is approximately \$6,065,000. Aqueous Vets' bid is \$814,050.

RECOMMENDATION

That the Engineering and Operations Committee recommends that the Board of Directors approve the attached resolution determining Calgon's bid as non-responsive and therefore rejecting Calgon's bid and awarding a materials contract with Aqueous Vets in an amount of \$814,050 for the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Project.

Attachments



November 8, 2021

Calgon Carbon Corporation
Mr. Jeremy Jones, DWS Project Manager
3000 GSK Drive
Moon Township, Pennsylvania 15108
Copy sent via e-mail to: mbu@calgoncarbon.com

Subject: Notice of Intent to Reject Bid as Non-Responsive
Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Material
Purchase Project

Dear Mr. Jones,

Notice is hereby given that the Santa Clarita Valley Water Agency intends to reject the bid that Calgon Carbon Corporation (Calgon), submitted for the Agency's Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Material Purchase Project as non-responsive. A bid is non-responsive if it fails to do what the bidding instructions demand. Calgon's bid form does not comply with the Contract Documents as identified in the following items:

- Wrong Bid Form – Calgon did not use the correct Bid Form. Calgon used a Bid Form that was replaced by Addendum No. 1, which does not comply with the Contract Documents.
- Calgon's attachment page 32 states that the Calgon Proposal does not include any Payment/Performance bonds and that "the costs of any such bonds will be added to the quoted pricing", which does not comply with the Contract Documents.
- Bid Form Line Items – Bid Items 2 & 3. The Agency's Instructions to Bidder IB-25 states "Bidders shall include all applicable taxes, and fees in their bid price." Per Calgon's Proposal, item 4 of the Commercial Notes on Page 32 states "Unless otherwise noted; all pricing provided is exclusive of any Sales Tax." There is no mention anywhere that taxes have been included in the proposal, which validates the statement that sales taxes are excluded, which does not comply with the Contract Documents.
- Unapproved Equipment or Material Manufacturers – Calgon's proposal identified a bag filter manufacturer that does not comply with the Contract Documents.
- Bid Form Line Items – Bid Items 4 & 5. Calgon did not enter a number to deliver and unload the vessels and the pre-filters. Per Page 31 of Calgon's Proposal, under Items not included in this offer, "Receipt, off-loading (and storage) of adsorption system equipment" are excluded from their pricing, which does not comply with the Contract Documents.
- Project Schedule – Special Conditions document SC-3 "Work will be completed within two hundred seventy (270) calendar days from the Notice to Proceed." Per the Schedule on Page 31 of Calgon's Proposal, Submittals will be provided 3 weeks after receipt of a PO and the delivery will take place 40-44 weeks after the return of submittal/release fabricate. On the best-case scenario, this puts Calgon's overall schedule at 43 weeks (or 301 days) which does not comply with the Contract Documents.

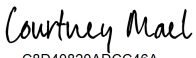
- Price Validity – Notice Inviting Bids states that “No Bidder may withdraw its bid for a period of ninety (90) days after the date of opening the bids, within which time an award may be made.” Item 1 of the Commercial Notes on Page 32 of Calgon’s Proposal notes that “Pricing to remain valid for 30 days from date of issue” which does not comply with the Contract Documents.

Therefore, Calgon’s bid is non-responsive.

The Board of Directors of the Agency will initially consider awarding the contract and rejecting Calgon’s Bid at its Engineering and Operations Committee meeting on December 9, 2021 at 5:30 pm. At that time, Agency staff will recommend rejection of Calgon’s Bid and award to the next-lowest responsive and responsible bidder.

This letter shall serve as the “notice of intent to reject” for purposes of Bid Instruction IB-17 (see page IB-9). Failure to strictly and timely comply with IB-17 shall constitute a waiver of any right Calgon will have to challenge rejection of its bid or award to the next bidder.

Sincerely,

DocuSigned by:

C8D40820ADCC46A...
Courtney Mael, P.E.
Chief Engineer
Santa Clarita Valley Water Agency



Calgon Carbon Corporation
3000 GSK Drive
Moon Township, PA 15108

November 10, 2021
Mr. Jason Yim
SCV Water
26515 Summit Circle
Santa Clarita, CA 91350-3049
RE: Notice of Intent to Reject Bid as Non-Responsive

Dear Mr. Yim,

Thank you for the opportunity to consider our Calgon Carbon Corporation ("CCC") water treatment technology. We are in receipt of the above mentioned notice and we respectfully disagree with the conclusion that the bid is non-responsive. In accordance with the requirements of IB 17, below are our responses to the items identified in the notice:

- 1) Wrong Bid Form- CCC acknowledged Addendum 1 and the included bid form. The form contained in the original RFP and in Addendum 1 were identical, and therefore CCC is in compliance with the substantive content of the bid form requirement.
- 2) CCC's attachment page 32 states the CCC Proposal does not include Payment/Performance Bonds. CCC provided a bid bond, which you received, when the bid was submitted as required. The CCC statement meant that payment and performance bonds were not a part of documentation submitted with the bid, however the cost associated with such bonds was included in the bid. Once the project is awarded CCC automatically provides payment and performance bonds at no additional cost. Therefore CCC is in compliance with the bonding requirements of the bid and with the contract Documents.

3) Bid Forms Line Items-Bid items 2 and 3. The instruction to Bidders IB-25 states that Bidders shall include all applicable taxes and fees in the bid price. The CCC bid is inclusive of all applicable taxes and fees. In the Planet Bid form there was no ability for CCC to provide a separate line item for taxes and fees so it was included in the total bid price. CCC submitted its bid in compliance with the tax inclusion requirement and the bid requirements themselves constituted "notice elsewhere" that taxes were included in the bid price. Therefore there is no justification to conclude that CCC did not comply with the contract documents.

4) Unapproved Equipment Manufacturers- The bag filter in the CCC bid is the Fil-Trek manufacturer as per the bid specifications, please see the attached specifications. The CCC filter supplier listed in the bid is an agent for Fil Trek and provided the drawing using Fil-Trek products. Both sets of drawings are included for comparison, and demonstrate that the bag filters are identical. Additionally, please note CCC did not take any exceptions to the mechanical specifications as noted in the CCC bid. Therefore there is no justification that CCC did not comply with the contract documents.

5) Bid Form Line Items 4 and 5- Calgon did not enter a number to deliver and offload vessels and prefilters. CCC did exclude this expense as in the practical experience of CCC most municipalities find it is more cost effective to use local contractors for this service and prefer that option. As a firm that specializes and focuses on Pressure Vessels and the water treatment media that goes in those vessels, we do not offer the services requested so we left those line items open. It was not indicated in the bid documents that opting to leave these items out would exclude us from being evaluated for the Equipment offering, especially when local contracting services are readily available direct to the municipality.

6) Project Schedule, Special conditions document SC-3- This section requires work to be completed within 270 days. The determination that CCC's schedule will in the best case scenario come in at 43 weeks is inaccurate as the submittal time frame is intended to be included in the overall schedule of 40 to 44 weeks. CCC is confident the 270 day timeframe can be achieved without issue.

7) Price Validity-Although the proposal states pricing remains valid for 30 days, CCC did acknowledge and accept that it would not withdraw its bid for a period of 90 days as per the contract documents and therefore the price is in practical terms set for the 90 day commitment to not withdraw the bid.

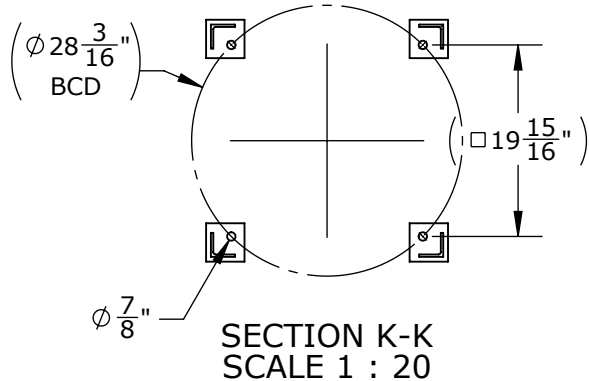
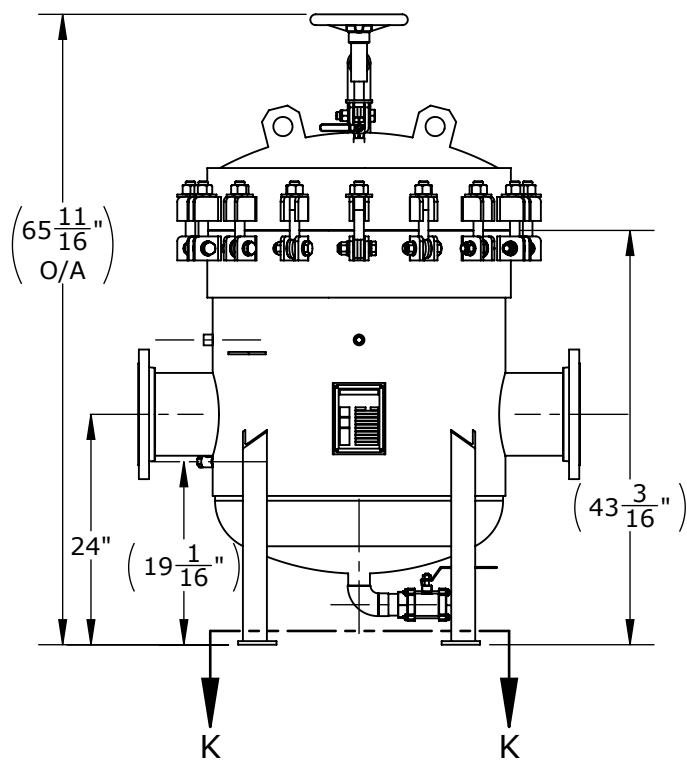
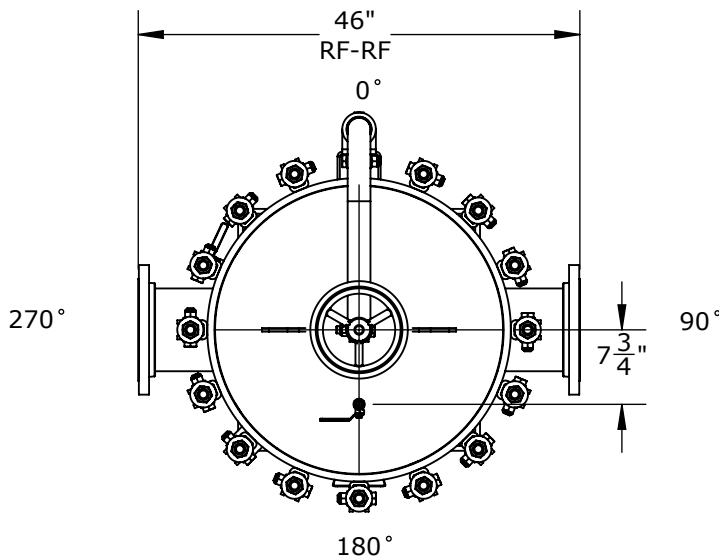
We would like to note that we have previously bid projects with SCV Water using the same proposal format and were never notified that our bid was non responsive. In this case CCC was the low bidder by a significant amount, over \$186,000.00; and there was no material differences between the two bidders other than the expense of offloading of the vessels and pre filters.

CCC strongly urges SCV to reconsider its recommendation to reject the CCC bid, as the offloading vessels and prefilters is clearly not a \$186,000 expense. CCC sincerely hopes SCV Water considers allocating these substantial savings in a more beneficial way for its customers and community. As one of only two bidders for this project, CCC also hopes that reconsideration of the points above with respect to the CCC proposal will prevent project from becoming a non-competitive procurement.

Sincerely,

Charles

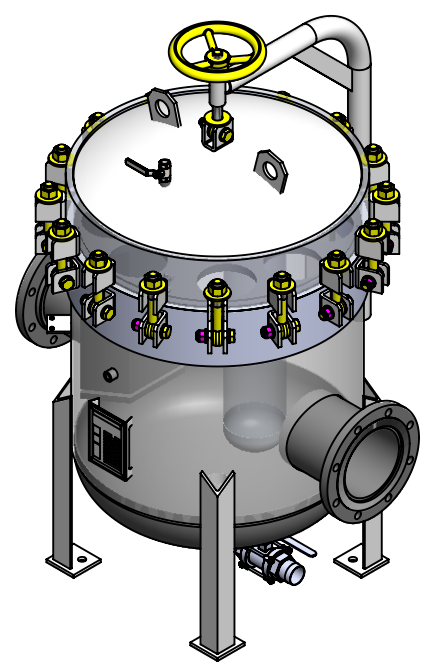
Charles Drewry
National Sales Manager IX – Drinking Water Solution
Calgon Carbon Corporation
352.467.0103
charles.drewry@kuraray.com



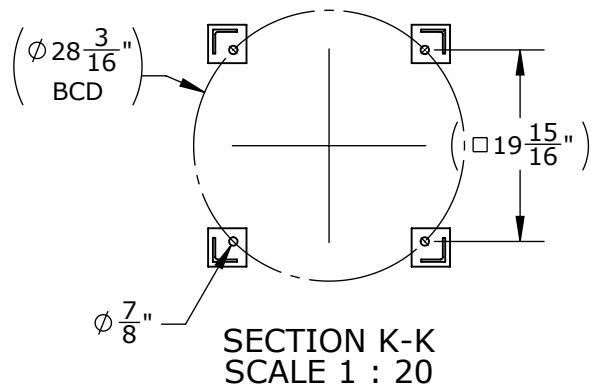
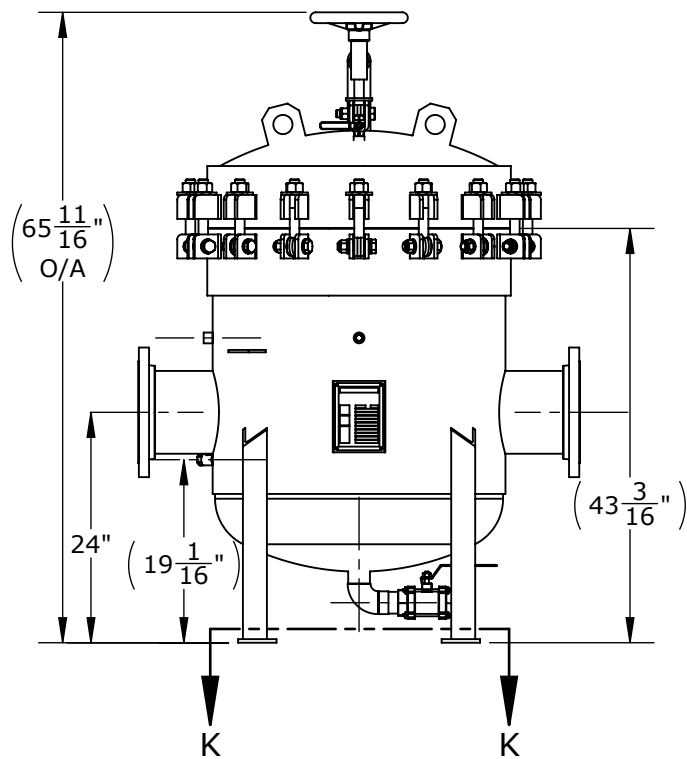
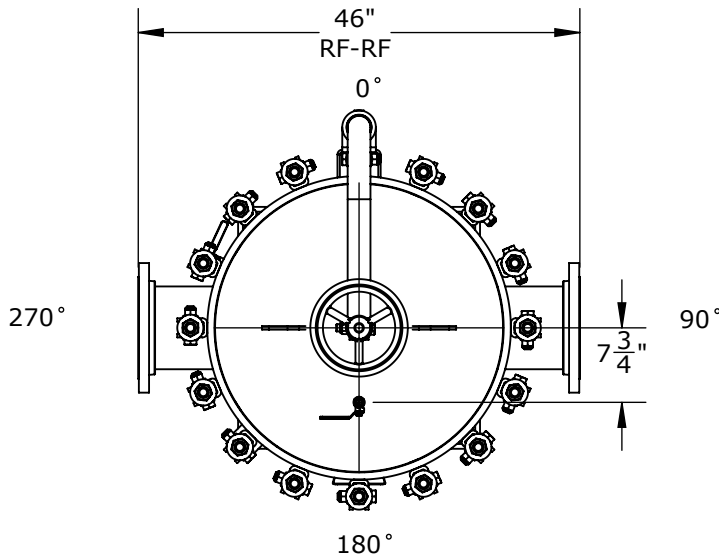
NOZZLE SCHEDULE			
MARK	QTY	SIZE / RATING	DESCRIPTION
N1	1	8" 150# RFSO	INLET
N2	1	8" 150# RFSO	OUTLET
N3	2	1/2" 3000# NPT	PRESSURE GAUGE
N4	1	1/2" 3000# NPT	VENT
N5	1	2" 3000# NPT	CLEAN DRAIN
N6	1	1/2" 3000# NPT	DIRTY DRAIN

VESSEL DESIGN CONDITIONS	
CODE:	ASME SECTION VIII DIV. 1, 2019 EDITION
M.A.W.P.:	200 PSI @ 250°F
M.D.M.T.:	-20° F @ 200 PSI
M.A.W.P.:	FV PSI @ 250°F
CORROSION ALLOWANCE:	-
HYDROTEST PRESS:	195 PSI
STAMP:	U
SERVICE:	UNK. LIQUID NON LETHAL
PWHT:	N/A
RADIOGRAPHY:	
MATERIAL:	SS316
GASKET:	BUNA

- NOTES:
- DRY WEIGHT: 750 LBS
- FLOODED WEIGHT: 1200 LBS
- SHIPPING WEIGHT: 900 LBS
- VESSEL VOLUME: 16.25 C.F.
- EACH VESSEL WILL HOUSE (QTY:10) SIZE 2 BASKETS SS316
- SS BOLTING
- PICKLE PASSIVATION INSIDE / OUT
- INCLUDES BALL VALVES ON VENTS AND DRAINS

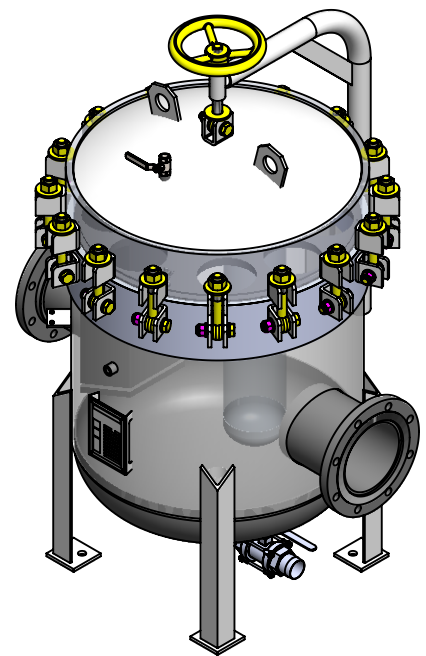


APPROVED WITH MARK-UPS <input type="checkbox"/>		APPROVED <input type="checkbox"/>	
 THIRD ANGLE PROJECTION		 Towner Filtration 800-286-9637 www.townerfiltration.com	
TOLERANCES-UNLESS OTHERWISE NOTED DECIMAL .X = ±.1" .XX = ±.02" .XXX = ±.005" FRACTIONAL = ±1/8" ANGULAR = ± 1° MAX. MACHINED SURFACE FINISH 125/√		EQUIPMENT: LP SERIES SERIES (BAG FILTER VESSEL) MODEL NO: S6LP30-1012-8F-B-200-MOD CUSTOMER:	
PARENT: NONE	DRAWN: MS	DATE: 19/10/2021	SERIAL No. Part No.
	CHK'D:	SCALE: NTS	REV. No. 0



NOZZLE SCHEDULE			
MARK	QTY	SIZE / RATING	DESCRIPTION
N1	1	8" 150# RFSO	INLET
N2	1	8" 150# RFSO	OUTLET
N3	2	1/2" 3000# NPT	PRESSURE GAUGE
N4	1	1/2" 3000# NPT	VENT
N5	1	2" 3000# NPT	CLEAN DRAIN
N6	1	1/2" 3000# NPT	DIRTY DRAIN
VESSEL DESIGN CONDITIONS			
CODE: ASME SECTION VIII DIV. 1, 2019 EDITION			
M.A.W.P.: 200 PSI @ 250°F		M.D.M.T.: -20° F @ 200 PSI	
M.A.W.P.: FV PSI @ 250°F			
CORROSION ALLOWANCE: -		HYDROTEST PRESS: 195 PSI	
STAMP: U		SERVICE: UNK. LIQUID NON LETHAL	
PWHT: N/A		RADIOGRAPHY:	
MATERIAL: SS316		GASKET: BUNA	

- NOTES:
- DRY WEIGHT: 750 LBS
- FLOODED WEIGHT: 1200 LBS
- SHIPPING WEIGHT: 900 LBS
- VESSEL VOLUME: 16.25 C.F.
- EACH VESSEL WILL HOUSE (QTY:10) SIZE 2 BASKETS SS316
- SS BOLTING
- PICKLE PASSIVATION INSIDE / OUT
- INCLUDES BALL VALVES ON VENTS AND DRAINS



APPROVED WITH MARK-UPS <input type="checkbox"/>		APPROVED <input type="checkbox"/>	
 THIRD ANGLE PROJECTION	 FIL-TREK CORPORATION		
	55 Stafford Court Cambridge, Ontario N1T 1B3 Canada		
TOLERANCES-UNLESS OTHERWISE NOTED DECIMAL .X = ±.1" .XX = ±.02" .XXX = ±.005" FRACTIONAL = ±1/8" ANGULAR = ± 1° MAX. MACHINED SURFACE FINISH 125/√		Phone: (519) 623-7448 Fax: (519) 623-8807 Email: info@fil-trek.com Website: www.fil-trek.com	
THIS DRAWING IS THE PROPERTY OF 'FIL-TREK CORPORATION' AND MUST NOT BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE CORPORATION			
EQUIPMENT: LP SERIES SERIES (BAG FILTER VESSEL)		MODEL NO: S6LP30-1012-8F-B-200-MOD	
CUSTOMER:			
PARENT: NONE	DRAWN: MS	DATE: 19/10/2021	SERIAL No. Part No.
CHK'D:	SCALE: NTS		REV. No. 0

[This page intentionally left blank.]

October 21, 2021
Santa Clarita Valley Water Agency

Subject: Santa Clarita and Honby Wells PFAS Groundwater Treatment Improvements Material Purchase - Calgon Proposal and Bid Review

After seeing a significant price difference between the two bids submitted for this project, Aqueous Vets[®] (AV[®]) performed a detailed review of the Proposal submitted by Calgon Carbon Corporation. Once you consider the exclusions Calgon made in their Proposal, it is easy to see that the overall bid price is not representative of the requirements of the RFP. Simply put Calgon has qualified their bid. In addition, the items below clearly show that Calgon's bid is non-response per the RFP.

1. Bid Form Line Items – Bid Item 1 Mobilization description in the RFP Section 01270 Part 1 1.10 1.02 PAYMENT ITEMS A. states:

“The lump sum price for mobilization shall include compensation for the movement of personnel, equipment, staging of equipment for the Work; for payment of premiums for bonds and insurance for the Work; for any necessary costs of acquisition of equipment, including purchase and mobilization; submittal of preliminary schedule, submittal of all required submittal information including shop and fabrication drawings, and other startup costs; and for any other work and operations which must be performed or costs that must be incurred incident to the initiation of meaningful work and for which payment is not otherwise provided for in other bid items.”

Calgon listed a cost of \$0 for this item on the Bid Form. Additionally, item 5 of the Commercial Notes on page 32 of Calgon's Proposal (“Santa Clarita Proposal – Signed”) states that pricing does not include any Payment/Performance bonds and that “the costs of any such bonds will be added to the quoted pricing.”

2. Bid Form Line Items – Bid Items 2 & 3 – In instructions to bidder IB-25 states “Bidders shall include all applicable taxes, and fees in their bid price.” Per Calgon's Proposal, item 4 of the Commercial Notes on Page 32 states “Unless otherwise noted; all pricing provided is exclusive of any Sales Tax.” There is no mention anywhere that taxes have been included in the proposal, which validates the statement that sales taxes are excluded.

3. Bid Form Line Items – Bid Items 4 & 5 – The description in RFP Section 01270 Part 1 1.10 1.02 PAYMENT ITEMS D. E. states:

“D. Move, Deliver and Unload to Project Site (Bid Item No. 4)

*Work to be done under this bid item is for moving and delivery of the systems to the Agency when complete, and **unloading the systems placing the systems on site for assembly** by the Site*



Contractor at the Project Site in accordance with the Contract Documents or as directed by the Owner, full and complete, and includes the cost for labor, tools, materials, equipment, and incidentals for the complete delivery of the work.

Payment for this bid item will be made at the lump sum price bid therefor in the Bid Schedule, complete and in place in accordance with the Contract Documents or as directed by the Owner.

E. Move, Deliver, Unload and Pick-up (Bid Item No. 5)

*Work to be done under this bid item is for moving, delivery, and **unloading of the systems to the Agency's Rio Vista Water Treatment Plant for the storage, and picking up the systems from the Agency's Rio Vista Water Treatment Plant and delivering and unloading the systems placing them on site for assembly** by the Site Contractor at the Project Site in accordance with the Contract Documents or as directed by the Owner, full and complete, and includes the cost for labor, tools, materials, equipment, and incidentals for the complete delivery of the work.*

Payment for this bid item will be made at the lump sum price bid therefor in the Bid Schedule, complete and in place in accordance with the Contract Documents or as directed by the Owner."

Per Page 31 of Calgon's Proposal, under Items not included in this offer, "Receipt, off-loading (and storage) of adsorption system equipment" are excluded from their pricing. This means the crane and the labor to offload the treatment systems was not included in their scope or pricing.

Additionally, Bid Item 5 allowed SCV Water to store the vessels and move them to the project site at a later date. Calgon did not offer this item in their bid, which prevents SCV Water from considering this option. Per the bid item description, this would entail two separate trips, freight, labor for offloading, and crane rental costs that have not been accounted for in their bid.

- 4. Designation of Equipment or Material Manufacturers** – On Page 8 of Calgon's Proposal, item 11230 Cartridge Filters lists Fil-trek. Page 37 of Calgon's Proposal, however, shows that they have included the Towners Filtration cartridge filters in their bid. Per Specification Section 11230 of the Contract Documents, only Parker, Fil-trek, Pall Corp., or Approved Equal would be considered. Towners Filtration was not an approved vendor through the specification or addendums and is therefore not compliant with the specifications.
- 5. Project Schedule** – Special Conditions document SC-3 "*Work will be completed within two hundred seventy (270) calendar days from the Notice to Proceed.*" Per the Schedule on Page 31 of Calgon's Proposal, Submittals will be provided 3 weeks after receipt of a PO and the delivery will take place 40-44 weeks after the return of submittal/release fabricate. With an industry-standard 2-week submittal review period, this puts Calgon's overall schedule at 49 weeks (or 343 days).



6. **Price Validity** – Notice Inviting Bids states that *“No Bidder may withdraw its bid for a period of ninety (90) days after the date of opening the bids, within which time an award may be made.”* Q&A #6, question 6.10 states that *“Bids shall be valid for 90 days as indicated in the Contract Documents.”*

Item 1 of the Commercial Notes on Page 32 of Calgon’s Proposal notes that “Pricing [is] to remain valid for 30 days from date of issue.” To consider a 90-day bid validity, vendors must incorporate additional costs to predict price escalations over that period. Per the Steel Benchmark Index at the link below, steel pricing has gone up by an average of 9% per month since the beginning of the year. By only including a bid validity of 30 days, Calgon artificially lowered their price on bid day. This gives Calgon an unfair price advantage on bid day and opens the door for them to reprice their Proposal post-bid.

<http://steelbenchmarker.com/history.pdf>

Calgon’s bid price is not reflective of a responsive bid. They have excluded critical elements from their Proposal to reduce their overall price and create the appearance of being the low bidder. Their bid does not meet the requirements of the RFP and cannot be compared directly to the bid submitted by AV. As seen from the items above, Calgon has submitted a very heavily qualified bid.

AV is the only bidder to submit a responsive bid and should therefore be awarded the project.

Thank you for your consideration,

Kelsey Hakes

Business Development Engineer

Phone: (949) 531-0786

khakes@aqvets.com

[This page intentionally left blank.]

RESOLUTION NO. _____

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SANTA CLARITA VALLEY WATER AGENCY
AWARDING A CONTRACT TO AQUEOUS VETS FOR THE
SANTA CLARA AND HONBY WELLS PFAS GROUNDWATER TREATMENT
MATERIALS PURCHASE PROJECT**

WHEREAS, Santa Clarita Valley Water Agency (Agency) determined that Per- and polyfluoroalkyl substances (PFAS) are a threat to the Agency's groundwater resources; and

WHEREAS, the Santa Clara and Honby Wells Groundwater Treatment Project is an important component to treat PFAS; and

WHEREAS, Santa Clarita Valley Water Agency, as the CEQA Lead Agency, filed a Notice of Exemption with the Los Angeles County Clerk's Office on November 14, 2020, the Ventura County Clerk's Office on November 5, 2020, and the State Clearinghouse on September 4, 2020; and

WHEREAS, The project, aka the whole of the action, also qualifies for an exemption under CEQA guidelines Section 15301 Class 1 Minor Alterations to Existing Facilities because it is a minor alteration of an existing public facility and it concerns proposed new mechanical equipment involving negligible or no expansion of use, i.e. no additional extraction of water, beyond that existing at the time of the lead agency's determination; and

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

WHEREAS, none of the exceptions listed in Section 15300.2 of the CEQA Guidelines would apply to the action; and

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

WHEREAS, all bid proposals submitted to the Agency pursuant to the Agency's specifications (Project No. 1000577) for procurement of the Santa Clara and Honby Wells PFAS Groundwater Treatment Materials Purchase Project, as amended by Addenda, were publicly opened electronically on the Agency's bid website page on PlanetBids on Thursday, October 21, 2021 at 2:00 p.m., in full accordance with the law and the Agency's customary procedures; and

WHEREAS, the apparent low bidder, Calgon Carbon Corporation, failed to comply with the bid requirements as required by the Contract Documents and is therefore non-responsive; and

WHEREAS, the Board of Directors finds, after considering the opinion of staff, that the total bid of Aqueous Vets in the amount of \$814,050 is the lowest responsible bid of two

bids submitted, and that said bid substantially meets the requirements of said materials purchase contract documents as amended by Addenda; and

WHEREAS, it is in the Agency's best interest that the Board of Directors, on behalf of the Agency, authorize its General Manager to accept the \$814,050 bid from Aqueous Vets.

NOW, THEREFORE, BE IT RESOLVED that the bid from Calgon Carbon Corporation, the apparent low bid, is hereby rejected as non-responsive for failing to provide required information.

RESOLVED FURTHER that the Agency's Board of Directors waives all immaterial discrepancies and does authorize its General Manager to accept the Aqueous Vets bid and does therefore authorize the Agency's General Manager or its Chief Engineer to issue a Notice of Award to Aqueous Vets, hereby found to be the "lowest responsive responsible bidder" for the Santa Clara and Honby Wells PFAS Groundwater Treatment Materials Purchase Project for the total sum of \$814,050.

RESOLVED FURTHER that the Agency's General Manager or its President and Secretary are thereupon authorized, upon receipt of appropriate payment and performance bonds, appropriate certificates of insurance and an executed Contract Agreement from Aqueous Vets, all of which must be approved by General Counsel, to execute the said Contract Agreement on behalf of the Agency.

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

President

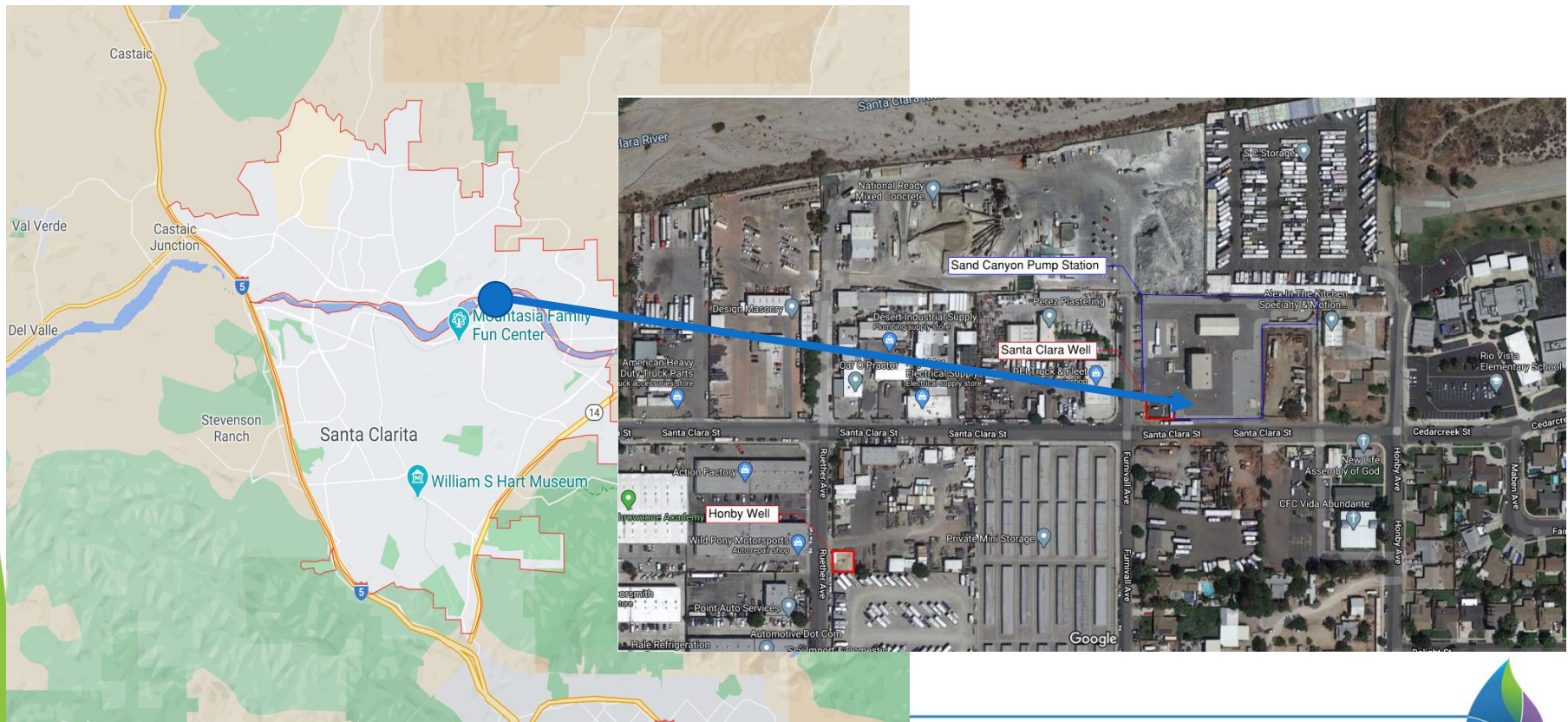


December 9, 2021

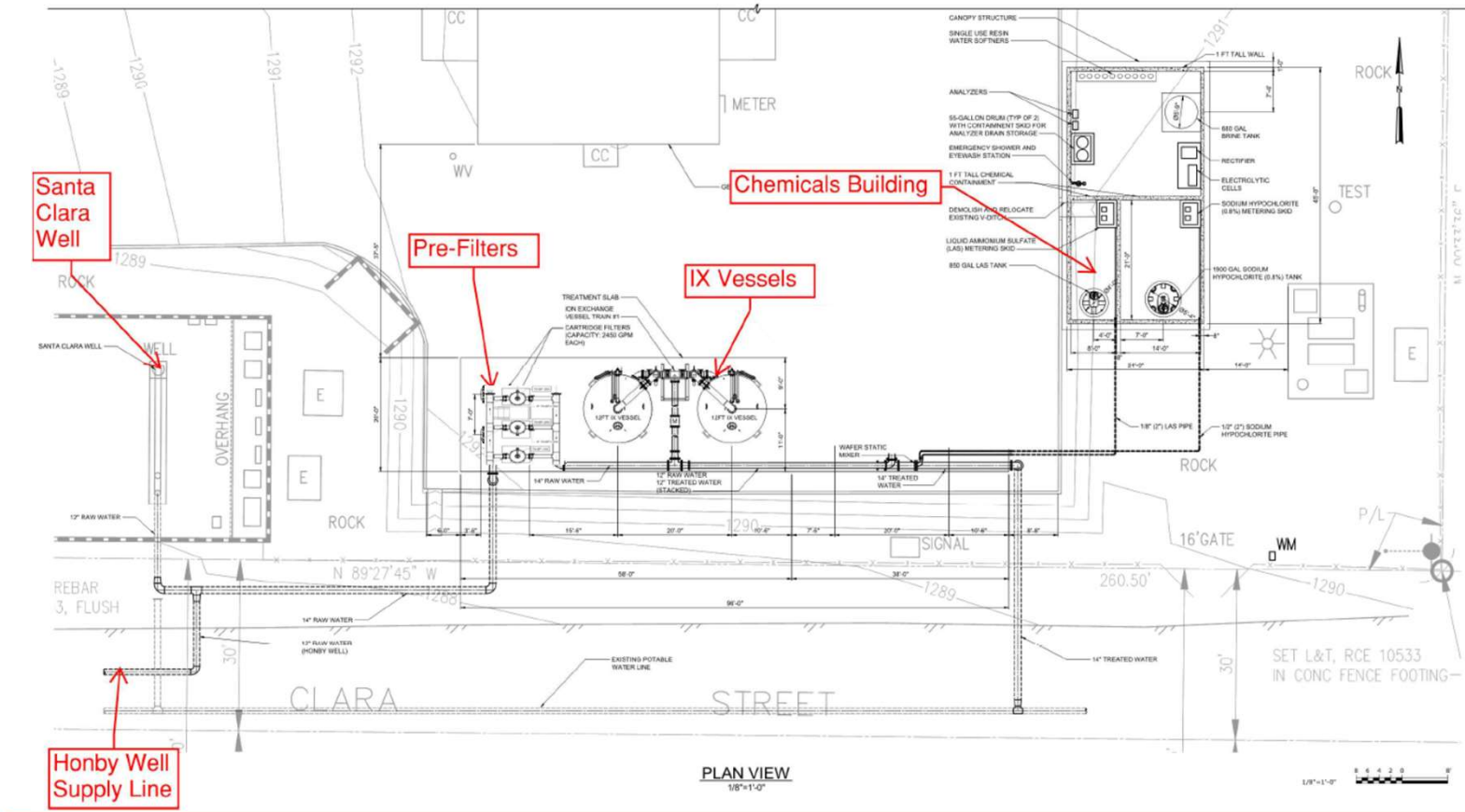
Santa Clara and Honby Wells PFAS Groundwater Treatment Project Materials Purchase

Engineering and Operations
Committee Meeting

Santa Clara & Honby Wells PFAS Groundwater Treatment Project Location Map



Santa Clara & Honby Wells PFAS Groundwater Treatment Project Site Layout



Santa Clara & Honby Wells PFAS Groundwater Treatment Project 3D Rendering



YOURSCVWATER.COM



Santa Clara & Honby Wells PFAS Groundwater Treatment Project Materials Purchase

- Staff advertised project on PlanetBids on September 2, 2021
- Project was advertised in The Signal on September 11, 15 and 18, 2021
- Bids were electronically opened on October 21, 2021

Bidder	Bidder Office Location	Total Bid Price
Calgon Carbon Corporation ¹	Moon Township, PA	\$627,368
Aqueous Vets ²	Danville, CA	\$814,050

¹ Staff determined the bid from Calgon Carbon Corporation (Calgon) to be non-responsive and recommends rejecting Calgon's bid.

² Aqueous Vets was determined to be the lowest responsive responsible bidder.

* Engineer's Estimate \$794,000

Santa Clara & Honby Wells PFAS Groundwater Treatment Project

Materials Purchase

Calgon's Bid Analysis

- **Bid Discrepancies and Calgon Carbon Corp. (CCC)'s responses (In red):**
 1. Wrong Bid Form - Calgon did not use the correct Bid Form. Calgon used a Bid Form that was replaced by Addendum No. 1.
 - “CCC acknowledged Addendum 1 and the included bid form. The form contained in the original RFP and in Addendum 1 were identical, and therefore CCC is in compliance with the substantive content of the bid form requirement.”
 2. Calgon Proposal does not include any Payment/Performance bonds and that “the costs of any such bonds will be added to the quoted pricing”.
 - “CCC provided a bid bond, which you received, when the bid was submitted as required. The CCC statement meant that payment and performance bonds were not a part of documentation submitted with the bid, however the cost associated with such bonds was included in the bid. Once the project is awarded CCC automatically provides payment and performance bonds at no additional cost. Therefore CCC is in compliance with the bonding requirements of the bid and with the contract Documents.”
 3. Per Calgon's Proposal, item 4 of the Commercial Notes on Page 32 states “Unless otherwise noted; all pricing provided is exclusive of any Sales Tax.” There is no mention anywhere that taxes have been included.
 - “The instruction to Bidders IB-25 states that Bidders shall include all applicable taxes and fees in the bid price. The CCC bid is inclusive of all applicable taxes and fees. In the Planet Bid form there was no ability for CCC to provide a separate line item for taxes and fees so it was included in the total bid price. CCC submitted its bid in compliance with the tax inclusion requirement and the bid requirements themselves constituted “notice elsewhere” that taxes were included in the bid price. Therefore there is no justification to conclude that CCC did not comply with the contract documents.”



Santa Clara & Honby Wells PFAS Groundwater Treatment Project

Materials Purchase

Calgon's Bid Analysis

- Bid Discrepancies and Calgon Carbon Corp. (CCC)'s responses (In red):
 4. Unapproved Equipment or Material Manufacturers - Calgon's proposal identified a bag filter manufacturer that does not comply with the Contract Documents.
 - "The bag filter in the CCC bid is the Fil-Trek manufacturer as per the bid specifications, please see the attached specifications. The CCC filter supplier listed in the bid is an agent for Fil Trek and provided the drawing using Fil-Trek products. Both sets of drawings are included for comparison and demonstrate that the bag filters are identical. Additionally, please note CCC did not take any exceptions to the mechanical specifications as noted in the CCC bid. Therefore there is no justification that CCC did not comply with the contract documents."
 5. Bid Items 4 & 5. Calgon did not enter a number to deliver and unload the vessels and the pre-filters. Per Page 31 of Calgon's Proposal, under Items not included in this offer, "Receipt, off-loading (and storage) of adsorption system equipment" are excluded from their pricing.
 - "Calgon did not enter a number to deliver and offload vessels and prefilters. CCC did exclude this expense as in the practical experience of CCC most municipalities find it is more cost effective to use local contractors for this service and prefer that option. As a firm that specializes and focuses on Pressure Vessels and the water treatment media that goes in those vessels, we do not offer the services requested so we left those line items open. It was not indicated in the bid documents that opting to leave these items out would exclude us from being evaluated for the Equipment offering, especially when local contracting services are readily available direct to the municipality."



Santa Clara & Honby Wells PFAS Groundwater Treatment Project

Materials Purchase

Calgon's Bid Analysis

- Bid Discrepancies and Calgon Carbon Corp. (CCC)'s responses (In red):

6. Project Schedule - Special Conditions document SC-3 "Work will be completed within two hundred seventy (270) calendar days from the Notice to Proceed." Per the Schedule on Page 31 of Calgon's Proposal, Submittals will be provided 3 weeks after receipt of a PO and the delivery will take place 40-44 weeks after the return of submittal/release fabricate.
 - "This section requires work to be completed within 270 days. The determination that CCC's schedule will in the best case scenario come in at 43 weeks is inaccurate as the submittal time frame is intended to be included in the overall schedule of 40 to 44 weeks. CCC is confident the 270 day timeframe can be achieved without issue."
7. Price Validity - Notice Inviting Bids states that "No Bidder may withdraw its bid for a period of ninety (90) days after the date of opening the bids, within which time an award may be made." Item 1 of the Commercial Notes on Page 32 of Calgon's Proposal notes that "Pricing to remain valid for 30 days from date of issue".
 - "Although the proposal states pricing remains valid for 30 days, CCC did acknowledge and accept that it would not withdraw its bid for a period of 90 days as per the contract documents and therefore the price is in practical terms set for the 90 day commitment to not withdraw the bid."



Santa Clara & Honby Wells PFAS Groundwater Treatment Project Materials Purchase Anticipated Project Schedule

- Schedule:
 - ✓ December 9, 2021: Engineering and Operations Committee
 - ✓ January 4, 2022: Board Meeting
 - ✓ January 18, 2022: Issue Notice To Proceed to Aqueous Vets
 - ✓ January 2022 - November 2022: Vessels Fabrication and Delivery



Santa Clara & Honby Wells PFAS Groundwater Treatment Project Materials Purchase Project Recommendation

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

- Adopt a resolution determining Calgon's bid as non-responsive and therefore rejecting Calgon's bid and awarding a materials contract with Aqueous Vets in an amount of \$814,050 for the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Project.





COMMITTEE MEMORANDUM

DATE: November 23, 2021

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 2021 Urban and Multibenefit 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

SUMMARY

Staff is preparing an application for the California Department of Water Resources 2021 Urban and Multibenefit Drought Relief Program to fund a portion of the Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project. 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 2021 Urban and Multibenefit Drought Relief Program (Grant Program). The Grant Program provides funding to address immediate drought impacts on human health and safety. The Grant Program has no matching funds requirement but encourages applicants to use other fund sources to supplement grant funds. Therefore, the Agency is applying for \$2,500,000 in grant funding (30% of the total project cost).

The Replacement Wells, which are included in the Agency's Capital Improvement Plan, will provide partial mitigation of pumping capacity lost from wells that were 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.

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 2021 Urban and Multi-benefit 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 is included in the Fiscal Year 2021/2022 Capital Improvement Budget. There are no matching funds required under this Grant Program.

RECOMMENDATION

That the Engineering and Operations Committee recommends that the Board of Directors (1) adopt a resolution authorizing the General Manager to apply for funding under the 2021 Urban and Multibenefit Drought Relief Program, (2) execute a grant agreement and (3) submit any required documents, invoices, and reports required to obtain grant funding.

Attachment

RESOLUTION NO. _____

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SANTA CLARITA VALLEY WATER AGENCY
AUTHORIZING THE GRANT APPLICATION, ACCEPTANCE, AND EXECUTION
OF A FUNDING AGREEMENT FOR THE SAUGUS WELLS 3 & 4
(REPLACEMENT WELLS) WELL EQUIPMENT AND SITE IMPROVEMENT PROJECT**

WHEREAS, the Santa Clarita Valley Water Agency (the “Agency) proposes to implement Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project (the “Project); and

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

WHEREAS, the Agency intends to apply for grant funding from the California Department of Water Resources for the Project under the 2021 Urban and Multibenefit Drought Relief Program (the “Grant Program”); and

WHEREAS, there is no Agency funding match required under the Grant Program.

NOW, THEREFORE, the Board of Directors of the Santa Clarita Valley Water Agency hereby finds, determines, declares, and resolves as follows:

1. The Board hereby supports a grant application to the California Department of Water Resources for the Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project.
2. Pursuant and subject to all the terms and provisions of Budget Act of 2021 (Stats. 2021, ch. 240, § 80), the Board hereby authorizes and directs the General Manager, or 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.
3. The 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. 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.
5. The General Manager, or designee, is hereby authorized and directed to submit any required documents, invoices, and reports required to obtain grant funding.

[This page intentionally left blank.]



December 9, 2021

Authorize Grant Application for Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvement Project

Engineering and Operations
Committee Meeting

Grant Application for Saugus Wells 3 & 4 Well Equipment and Site Improvement Project

Project Location



CVWATER.COM



Grant Application for Saugus Wells 3 & 4 Well Equipment and Site Improvement Project

Project Background & Cost Estimate

- This project will design and construct permanent well equipment, which includes well pumps and motors, a chemical system, electrical service, SCADA improvements, pipeline, and site improvements for Saugus Wells #3 & #4.
- Estimated project cost of \$8,300,000 for Design and Construction.



Grant Application for Saugus Wells 3 & 4 Well Equipment and Site Improvement Project

2021 Urban and Multibenefit Drought Relief Grant Program

- Grant Program has no matching funds requirement but encourages applicants to use other fund sources to supplement grant funds.
- Agency will apply for \$2,500,000 in grant funding (30% of the project cost)
- Application is due on or before December 17, 2021
- Project must be completed by March 2026.
- Execute a Grant Agreement



Grant Application for Saugus Wells 3 & 4 Well Equipment and Site Improvement Project

Project Recommendation

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

- (1) Adopt a resolution authorizing the General Manager to apply for funding under the 2021 Urban and Multibenefit Drought Relief Program,
- (2) Execute a Grant Agreement, and
- (3) Submit any required documents, invoices, and reports required to obtain grant funding.



[This page intentionally left blank.]



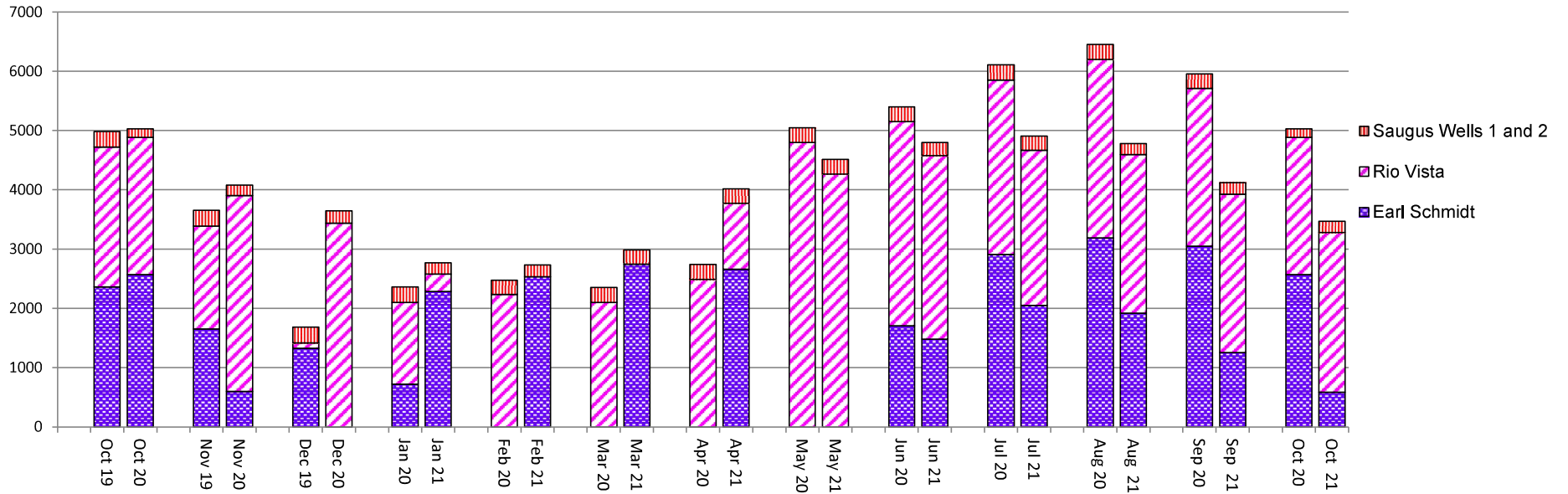
Monthly Operations & Production Report

October 2021

[This page intentionally left blank.]

SANTA CLARITA VALLEY WATER AGENCY
October 2021 Regional Operations Report

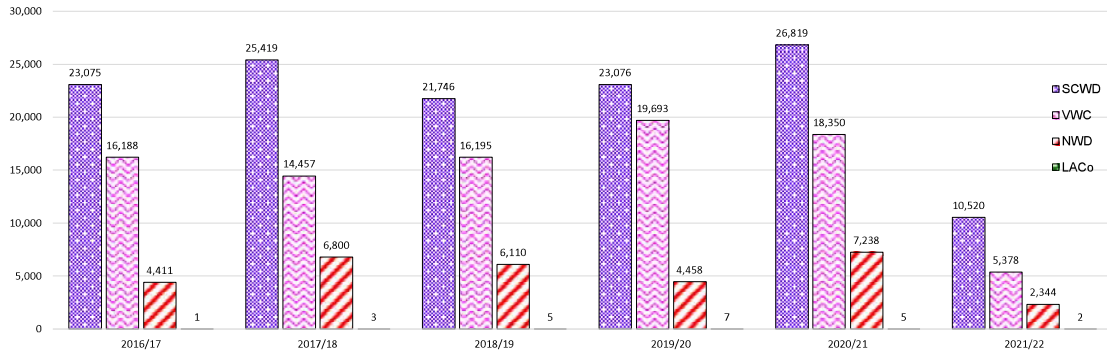
Water Supply (acre-feet)



Source	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
Earl Schmidt	2571	601	0	2289	2533	2748	2659	0	1484	2049	1922	1252	587	20695
Rio Vista	2314	3302	3436	292	0	0	1115	4265	3098	2620	2675	2671	2689	28477
Saugus 1 and 2	145	176	211	189	197	239	241	251	218	239	183	200	193	2682
Total	5030	4079	3647	2770	2730	2987	4015	4516	4800	4908	4780	4123	3469	48385
Total Sold	4970	4050	3605	2766	2662	2871	3887	4500	4809	5030	5069.61	4559	3585	52363.61
RWTP Use/Storage	33.8	6.41	42.02	-39.16	7.31	4.66	34.82	29.93	48.12	-26.35	89.5	8.6	24.69	264.35
Total Use	5003.8	4056.41	3647.02	2726.84	2669.31	2875.66	3921.82	4529.93	4857.12	5003.65	5159.11	4567.6	3609.69	49018.27
Water Loss	-0.52%	-0.55%	-0.01%	-1.56%	-2.22%	-3.73%	-2.32%	0.31%	1.19%	1.95%	7.93%	10.78%	4.06%	0.94%
Recycled Water	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
Valencia	18	27	20	16	15	23	38	51	66	71	66	56	42	509

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

HISTORICAL FY Production 2016-2022



HISTORICAL FY PRODUCTION 2016-2022

2016/17	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,404	2,663	2,368	2,128	1,712	1,377	952	844	1,359	2,040	2,456	2,772	23,075
VWC	1,565	1,640	1,305	1,080	607	620	643	764	1,123	1,728	2,499	2,614	16,188
NCWD	478	467	418	372	293	234	141	109	216	384	604	695	4,411
LACo	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	4,447	4,770	4,091	3,580	2,612	2,231	1,736	1,716	2,699	4,152	5,559	6,081	43,674
Cum. FYTD	4,447	9,218	13,309	16,888	19,501	21,732	23,467	25,184	27,882	32,034	37,593	43,674	
2017/18	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	3,085	3,035	2,589	2,462	1,922	1,955	1,578	1,580	969	1,905	2,076	2,284	25,419
VWC	2,089	1,723	1,184	1,260	966	969	853	676	619	1,160	1,336	1,622	14,457
NCWD	785	856	845	801	640	556	253	275	157	349	473	808	6,800
LACo	0	0	0	0	0	0	0	1	0	0	1	0	3
Total	5,958	5,615	4,619	4,522	3,528	3,481	2,684	2,532	1,746	3,414	3,885	4,695	46,680
Cum. FYTD	5,958	11,573	16,192	20,714	24,242	27,723	30,407	32,939	34,685	38,099	41,984	46,680	
2018/19	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,694	2,816	2,535	2,174	1,882	1,274	1,110	493	1,177	1,770	1,632	2,189	21,746
VWD	1,921	2,026	1,743	1,300	1,084	459	513	232	1,205	1,819	1,701	2,193	16,195
NWD	1,023	1,012	881	537	382	214	181	76	352	428	422	603	6,110
LACo	1	0	0	0	0	0	1	1	1	0	0	0	5
Total	5,639	5,855	5,160	4,011	3,349	1,947	1,805	802	2,735	4,016	3,754	4,985	44,057
Cum. FYTD	5,639	11,494	16,654	20,665	24,014	25,961	27,766	28,567	31,302	35,318	39,072	44,057	
2019/20	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,610	2,743	2,475	2,310	1,845	980	1,207	1,416	1,212	1,368	2,358	2,552	23,076
VWD	2,491	2,518	2,348	2,145	1,526	604	957	762	919	1,066	2,171	2,186	19,693
NWD	721	518	492	422	280	130	188	232	177	226	475	597	4,458
LACo	2	0	0	1	1	1	1	0	0	0	0	0	7
Total	5,823	5,779	5,316	4,879	3,651	1,715	2,353	2,411	2,309	2,660	5,004	5,336	47,234
Cum. FYTD	5,823	11,602	16,918	21,796	25,448	27,162	29,515	31,926	34,235	36,894	41,898	47,234	
2020/21	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,849	3,117	2,792	2,470	1,907	1,907	1,548	1,423	1,590	2,080	2,428	2,709	26,819
VWD	2,316	2,257	2,115	1,915	1,653	1,324	904	892	962	1,233	1,383	1,395	18,350
NWD	882	999	963	584	490	375	313	347	318	573	689	705	7,238
LACo	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	6,048	6,373	5,870	4,970	4,050	3,605	2,766	2,662	2,871	3,887	4,500	4,809	52,413
Cum. FYTD	6,048	12,422	18,292	23,262	27,312	30,918	33,683	36,346	39,216	43,103	47,603	52,413	
2021/22	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,950	2,924	2,593	2,053	0	0	0	0	0	0	0	0	10,520
VWD	1,381	1,439	1,386	1,172	0	0	0	0	0	0	0	0	5,378
NWD	700	705	581	358	0	0	0	0	0	0	0	0	2,344
LACo	1	1	0	0	0	0	0	0	0	0	0	0	2
Total	5,030	5,070	4,559	3,585	0	0	0	0	0	0	0	0	18,244
Cum. FYTD	5,030	10,100	14,660	18,244	18,244	18,244	18,244	18,244	18,244	18,244	18,244	18,244	

*Total does not include recycled water.

SANTA CLARITA VALLEY WATER AGENCY

Record of Weather Observations

October 2021

(Beginning of the 2022 Water Year)

DATE	High Temperature (°F)	Low Temperature (°F)	Precipitation (inches) 2021	Precipitation (inches) 2020
1-Oct	92	46	0.00	0.00
2-Oct	93	48	0.00	0.00
3-Oct	93	50	0.00	0.00
4-Oct	91	55	0.23	0.00
5-Oct	79	57	0.00	0.00
6-Oct	76	51	0.00	0.00
7-Oct	69	58	0.00	0.00
8-Oct	68	49	0.00	0.00
9-Oct	76	41	0.01	0.00
10-Oct	85	41	0.00	0.00
11-Oct	68	43	0.00	0.00
12-Oct	67	42	0.00	0.00
13-Oct	76	35	0.00	0.00
14-Oct	78	41	0.00	0.00
15-Oct	80	43	0.00	0.00
16-Oct	86	49	0.00	0.00
17-Oct	77	42	0.00	0.00
18-Oct	65	43	0.00	0.00
19-Oct	71	34	0.00	0.00
20-Oct	77	38	0.00	0.01
21-Oct	83	41	0.00	0.01
22-Oct	73	42	0.00	0.01
23-Oct	68	55	0.03	0.00
24-Oct	67	51	0.00	0.00
25-Oct	57	46	0.93	0.00
26-Oct	65	40	0.01	0.01
27-Oct	80	42	0.00	0.00
28-Oct	86	51	0.01	0.00
29-Oct	89	50	0.00	0.00
30-Oct	76	47	0.00	0.00
31-Oct	67	51	0.00	0.00

TOTAL			1.22	0.04
--------------	--	--	-------------	-------------

	2021-2022	2020-2021
<i>Total Precipitation (inches) of Current Month</i>	1.22	0.04
<i>Total Precipitation (inches) End of Previous Month</i>	0.00	0.00

Total Precipitation (inches) Since October 1st	1.22	0.04
---	-------------	-------------

<i>Temperature (°F) Averages for Current Month</i>	HIGH	76.7	86.0
	LOW	45.9	50.4

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

	<i>2000-01</i>	<i>2001-02</i>	<i>2002-03</i>	<i>2003-04</i>	<i>2004-05</i>	<i>2005-06</i>	<i>2006-07</i>	<i>2007-08</i>	<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>
Oct	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09	4.04	1.34
Nov	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78	0.08	1.87
Dec	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01	4.28	11.97
Jan	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69	9.13	0.96
Feb	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78	4.96	5.36
Mar	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18	0.69	8.86
Apr	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07	2.40	0.12
May	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01	0.07	0.74
Jun	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04
Jul	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01
Aug	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Sep	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00	0.00	0.00
TOTAL	23.67	7.34	24.34	13.59	52.55	20.58	6.58	23.12	13.64	25.65	31.27
	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>2021-22</i>
Oct	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01	0.04	1.22
Nov	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61	0.14	
Dec	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12	1.40	
Jan	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08	0.54	2.08	
Feb	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12	0.03	
Mar	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81	0.84	
Apr	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45	0.01	
May	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60	0.16	0.00	
Jun	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	
Jul	0.00	0.08	0.02	0.87	0.00	0.01	0.00	0.00	0.00	0.00	
Aug	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00	0.00	0.03	
Sep	0.02	0.00	0.00	0.78	0.00	0.13	0.02	0.03	0.01	0.00	
TOTAL	16.07	8.28	9.23	12.87	10.87	25.53	11.15	27.68	18.84	4.57	1.22

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

NEWHALL WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
N12	108	70	132	160	190	212	227	218	210	164	0	0	1691
N13	120	77	146	178	215	237	259	249	239	186	0	0	1904
C1	27	30	33	39	0	1	57	57	53	41	0	0	338
C2	13	14	15	19	24	25	26	26	24	19	0	0	204
C7	36	39	44	56	67	72	74	74	69	54	0	0	585
P1	0	0	0	0	0	0	0	0	21	28	0	0	48
P3	0	0	0	0	0	32	63	60	49	53	0	0	257
P4	0	0	0	0	0	0	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL NWD	303	230	371	452	495	578	704	684	665	544	0	0	5028

SANTA CLARITA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	23	21	23	27	32	31	34	37	26	21	0	0	275
LOST CANYON NO.2A	48	23	52	69	76	69	75	84	70	30	0	0	596
SAND CANYON	50	48	58	58	68	71	76	85	72	52	0	0	638
MITCHELL 5A	0	0	0	0	0	0	39	26	34	47	0	0	146
MITCHELL 5B	0	0	0	0	0	0	0	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0	65	88	87	73	0	0	313
NORTH OAKS EAST	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH OAKS CENTRAL	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0	0	0	0
HONBY	0	0	0	0	0	0	0	0	0	0	0	0	0
GUIDA	16	47	51	57	67	72	74	74	69	43	0	0	570
CLARK	0	0	0	0	0	0	0	0	0	0	0	0	0
SANTA CLARA	0	0	0	0	0	0	0	0	0	0	0	0	0
VALLEY CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL SCWD	137	139	184	211	243	243	363	394	358	266	0	0	2538

VALENCIA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	0	0	0	0	0	0	0	0	0	0	0	0	0
E15	47	54	69	103	90	129	141	154	115	85	0	0	985
E17	34	41	44	81	76	105	121	121	83	69	0	0	776
N	77	117	107	99	123	114	105	94	84	96	0	0	1017
N7	116	165	158	100	139	105	143	145	178	177	0	0	1426
N8	74	128	145	169	173	193	173	156	121	135	0	0	1468
Q2	0	0	0	0	0	0	0	0	0	0	0	0	0
T7	0	0	0	0	0	0	0	0	0	0	0	0	0
U6	0	0	0	0	0	0	0	0	0	0	0	0	0
U4	0	0	0	0	0	0	0	0	0	0	0	0	0
S6	0	0	0	0	0	0	0	0	0	0	0	0	0
S7	0	0	0	0	0	0	0	0	0	0	0	0	0
S8	0	0	0	0	0	0	0	0	0	0	0	0	0
W11	2	51	66	97	66	131	133	136	126	126	0	0	936
W9	31	32	48	90	107	103	106	108	100	96	0	0	821
W10	0	0	0	0	0	0	153	194	181	154	0	0	682
159 (GOLF COURSE IRRIGATION)	0	1	2	0	4	12	2	5	4	1	0	0	32
160 (SYSTEM)	1	9	6	6	2	65	110	15	0	4	0	0	218
160 (GOLF COURSE IRRIGATION)	22	33	37	65	74	85	87	83	55	85	0	0	625
201 (SYSTEM)	0	0	0	0	0	0	0	0	0	0	0	0	0
205	0	0	0	0	0	0	0	0	0	0	0	0	0
206	76	95	145	205	118	199	256	267	213	85	0	0	1657
207	82	2	0	39	163	220	280	279	219	92	0	0	1377
TOTAL VWD	562	728	827	1053	1134	1462	1809	1758	1480	1207	0	0	12021

S1	113	114	132	134	137	125	130	100	103	96	0	0	1185
S2	76	84	107	106	114	92	109	83	97	96	0	0	964
TOTAL S1 & S2	189	197	239	241	251	218	239	183	200	193	0	0	2149

TOTAL WELL PRODUCTION	1192	1294	1621	1957	2124	2502	3116	3019	2703	2210	0	0	21735
------------------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	----------	----------	--------------

WELL 201 (NON-SYSTEM)	106	97	98	86	0	0	0	0	0	0	0	0	387
WELL 205 (NON-SYSTEM)	0.00	0.00	0.00	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.42
HONBY (NON-SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MITCHELL 5B (NON-SYSTEM)	0.19	0.42	0.00	0.43	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22
N (NON-SYSTEM)	4.13	0.01	0.00	0.00	0.10	0.00	0.00	0.00	0.02	0.00	0.00	0.00	4.25
N7 (NON-SYSTEM)	4.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.08
N8 (NON-SYSTEM)	2.04	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.05	0.00	0.00	0.00	2.31
NORTH OAKS CENTAL (NON-SYSTEM)	0.00	0.59	0.00	0.60	0.21	0.00	0.00	0.25	0.00	0.16	0.00	0.00	1.81
Q2 (NON SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S8 (NON-SYSTEM)	0.72	0.31	0.00	0.19	0.09	0.00	0.25	0.11	0.00	0.03	0.00	0.00	1.71
T7 (NON-SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VALLEY CENTER (NON-SYSTEM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W10 (NON-SYSTEM)	0.00	0.42	0.00	0.00	0.39	0.61	0.00	0.00	0.00	0.00	0.00	0.00	1.43
P3 (NON-SYSTEM)	0.00	0.11	0.00	0.35	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48

NEWHALL WATER DIVISION
 WATER PRODUCTION 2021 (ACRE-FEET)

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NEWHALL SYSTEM													
N12	108	70	132	160	190	212	227	218	210	164			1691
N13	120	77	146	178	215	237	259	249	239	186			1904
CASTAIC SYSTEM													
C1	27	30	33	39	0	1	57	57	53	41			338
C2	13	14	15	19	24	25	26	26	24	19			204
C7	36	39	44	56	67	72	74	74	69	54			585
PINETREE SYSTEM													
P1	0	0	0	0	0	0	0	0	21	28			48
P3	0	0	0	0	0	32	63	60	49	53			257
P4	0	0	0	0	0	0	0	0	0	0			0
P5	0	0	0	0	0	0	0	0	0	0			0
S1 & S2	51	53	64	64	67	58	64	49	54	52			576
TOTAL GROUNDWATER	354	283	435	517	563	637	768	733	719	596	0	0	5603
SURFACE WATER + S1 & S2													
NEWHALL SYSTEM													
N-3	43	125	38	58	33	28	46	62	28	43			502
CASTAIC SYSTEM													
N-1	32	20	26	35	95	100	57	53	49	38			504
PINETREE SYSTEM													
N-2	122	111	127	169	202	185	179	175	145	86			1500
TESORO SYSTEM													
N-4	117	91	127	311	359	393	418	416	359	191			2784
TOTAL SURFACE WATER + S1 & S2	313	347	318	573	689	705	700	705	581	358	0	0	5290
TOTAL GROUNDWATER (INCLUDES S1 & S2)	354	283	435	517	563	637	768	733	719	596	0	0	5603
TOTAL SURFACE WATER (NO S1 & S2)	263	294	254	508	621	647	636	656	527	307	0	0	4714
TOTAL PRODUCTION (GW + SURFACE WATER)	617	578	689	1025	1184	1284	1404	1389	1246	902	0	0	10317
% BY SOURCE													
GROUNDWATER	57%	49%	63%	50%	48%	50%	55%	53%	58%	66%			54%
SURFACE WATER	43%	51%	37%	50%	52%	50%	45%	47%	42%	34%			46%
P3 (NON-SYSTEM) *	0.00	0.11	0.00	0.35	0.02	0	0	0	0	0			0.48

* Not used in the calculation for % by Source

**SANTA CLARITA WATER DIVISION
WATER PRODUCTION 2021 (ACRE-FEET)**

GROUNDWATER													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	23	21	23	27	32	31	34	37	26	21			275
LOST CANYON NO.2A	48	23	52	69	76	69	75	84	70	30			596
SAND CANYON	50	48	58	58	68	71	76	85	72	52			638
MITCHELL 5A (online 7/7)	0	0	0	0	0	0	39	26	34	47			146
MITCHELL 5B	0	0	0	0	0	0	0	0	0	0			0
SIERRA (online 7/6)	0	0	0	0	0	0	65	88	87	73			313
NORTH OAKS EAST	0	0	0	0	0	0	0	0	0	0			0
NORTH OAKS CENTRAL	0	0	0	0	0	0	0	0	0	0			0
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0			0
HONBY	0	0	0	0	0	0	0	0	0	0			0
GUIDA	0	0	0	0	0	0	0	0	0	0			0
CLARK	16	47	51	57	67	72	74	74	69	43			570
SANTA CLARA	0	0	0	0	0	0	0	0	0	0			0
VALLEY CENTER	0	0	0	0	0	0	0	0	0	0			0
TOTAL ALLUVIUM	137	139	184	211	243	243	363	394	358	266	0	0	2538
SAUGUS WELLS S1 & S2	139	144	175	176	184	159	175	134	146	141			1573
TOTAL GROUNDWATER	276	283	359	387	427	402	538	528	504	407	0	0	4111
SURFACE + S1 & S2													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
SC-1 BOUQUET	326	227	189	200	175	183	209	202	171	157			2040
SC-2 HONBY	0	0	0	0	0	0	0	0	0	0			0
SC-3 WILEY	73	76	93	128	143	145	159	158	149	114			1239
SC-4 HONBY #2	356	404	486	450	602	657	658	650	624	497			5384
SC-5 RIO VISTA	20	0	0	74	192	177	216	217	185	166			1247
SC-6 LOST CANYON	64	83	91	123	177	201	207	219	152	149			1466
SC-7	175	97	119	356	405	393	416	456	404	259			3081
SC-8	159	169	173	231	254	327	427	404	336	211			2691
SC-9	87	94	106	119	211	279	286	288	261	275			2005
SC-10	35	45	52	60	40	57	77	24	58	39			487
SC-11	0	0	0	0	0	0	0	0	0	0			0
SC-12	126	113	115	162	84	122	108	127	107	75			1137
SC-13	127	114	166	178	144	168	185	180	145	112			1520
TOTAL SURFACE WATER + S1 & S2	1548	1,423	1,590	2,080	2,428	2,709	2,950	2,924	2,593	2,053	0	0	22,297
METERING ADJUSTMENT	-4.8	-4.6	-3.9	-7.99	0	0	0	0	0	0			-21.2
NET SURFACE WATER + S1 & S2	1,543	1,418	1,586	2,072	2,428	2,709	2,950	2,924	2,593	2,053	0	0	22,276
TOTAL GROUNDWATER (INCLUDES S1 & S2)	276	283	359	387	427	402	538	528	504	407	0	0	4111
TOTAL SURFACE WATER (NO S1 & S2)	1,409	1,278	1,415	1,904	2,244	2,549	2,775	2,790	2,447	1,912	0	0	20,724
TOTAL PRODUCTION (GW + SURFACE WATER)	1,685	1,562	1,774	2,291	2,671	2,952	3,313	3,318	2,951	2,319	0	0	24,835
% BY SOURCE													
GROUNDWATER	16%	18%	20%	17%	16%	14%	16%	16%	17%	18%			17%
SURFACE WATER	84%	82%	80%	83%	84%	86%	84%	84%	83%	82%			83%
HONBY (NON-SYSTEM) *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
MITCHELL 5B (NON-SYSTEM) *	0.19	0.42	0.00	0.43	0.19	0.00	0.00	0.00	0.00	0.00			1.22
NORTH OAKS CENTRAL (NON-SYSTEM) *	0.00	0.59	0.00	0.60	0.21	0.00	0.00	0.25	0.00	0.16			1.81
VALLEY CENTER (NON-SYSTEM) *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00

* Not used in the calculation for % by Source

VALENCIA WATER DIVISION
WATER PRODUCTION 2021 (ACRE-FEET)

ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	0	0	0	0	0	0	0	0	0	0	0	0	0
E15	47	54	89	103	90	129	141	154	115	85			985
E17	34	41	44	81	76	105	121	121	83	69			776
N	77	117	107	99	123	114	105	94	84	96			1017
N7	116	165	158	100	139	105	143	145	178	177			1426
N8	74	128	145	169	173	193	173	156	121	135			1468
Q2	0	0	0	0	0	0	0	0	0	0			0
T7	0	0	0	0	0	0	0	0	0	0			0
U6	0	0	0	0	0	0	0	0	0	0			0
U4	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			0
W11	2	51	66	97	66	131	133	136	126	126			936
W9	31	32	48	90	107	103	106	108	100	96			821
W10 (online 7/6)	0	0	0	0	0	0	153	194	181	154			682
TOTAL ALLUVIUM	381	588	637	739	774	882	1074	1108	989	939	0	0	8111
SAUGUS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
159	0	1	2	0	4	12	2	5	4	1			32
160 - DOM	1	9	6	6	2	65	110	15	0	4			218
160 - VGC*	22	33	37	65	74	85	87	83	55	85			625
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	76	95	145	205	118	199	256	267	213	85			1657
207	82	2	0	39	163	220	280	279	219	92			1377
TOTAL SAUGUS	181	140	190	315	360	581	735	650	491	268	0	0	3910
SURFACE WATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
V-1	81	90	116	114	159	128	130	141	167	143			1270
V-2	120	238	230	176	262	435	407	404	313	184			2770
V-4	75	80	110	140	173	176	124	155	112	55			1200
V-5	219	260	194	213	228	244	357	362	366	416			2858
V-6	136	68	58	55	96	100	125	124	140	167			1068
V-7	111	68	66	76	142	85	56	94	74	23			796
V-8	162	88	188	459	323	227	182	159	215	184			2185
TOTAL SURFACE WATER	904	892	962	1,233	1,383	1,395	1,381	1,439	1,386	1,172	0	0	12,148
TOTAL GROUNDWATER	562	728	827	1,053	1,134	1,462	1,809	1,758	1,480	1,207	0	0	12,021
TOTAL SURFACE WATER	904	892	962	1,233	1,383	1,395	1,381	1,439	1,386	1,172	0	0	12,148
TOTAL PRODUCTION (GW + SURFACE WATER)	1,466	1,620	1,789	2,286	2,517	2,858	3,190	3,198	2,865	2,380	0	0	24,169
% BY SOURCE													
GROUNDWATER	37%	44%	45%	44%	43%	50%	56%	54%	51%	49%			48%
SURFACE WATER	63%	56%	55%	56%	57%	50%	44%	46%	49%	51%			52%
RECYCLED WATER	16	15	23	38	51	66	71	65	56	42			443
Well 201 Discharge *	106	97	98	86	0	0	0	0	0	0			387
Well 205 Non-System *	0.00	0.00	0.00	5.42	0.00	0.00	0.00	0.00	0.00	0.00			5.42
Well N Non-System *	4.13	0.01	0.00	0.00	0.10	0.00	0.00	0.00	0.02	0.00			4.25
Well N7 Non-System *	4.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			4.08
Well N8 Non-System *	2.04	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.05	0.00			2.31
Well Q2 Non-System *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
Well S8 Non-System *	0.72	0.31	0.00	0.19	0.09	0.00	0.25	0.11	0.00	0.03			1.71
Well T7 Non-System *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
Well W10 Non-System *	0.00	0.42	0.00	0.00	0.39	0.61	0.00	0.00	0.00	0.00			1.43

*Not used in the calculation for % by source

LOS ANGELES COUNTY WATERWORKS DISTRICT 36

SOURCE

TURNOUT	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	TOTAL
LA 1	0.00	0	0	0	0	0.00	0	0	0	0			0.00
LA 3	0.40	0.3069	0.3836	0.3959	0.3867	0.47	0.669	0.6752	0.4695	0.4266			4.58
TOTAL	0.40	0.3069	0.3836	0.3959	0.3867	0.4665	0.669	0.6752	0.4695	0.4266	0	0.00	4.58

RAW WATER

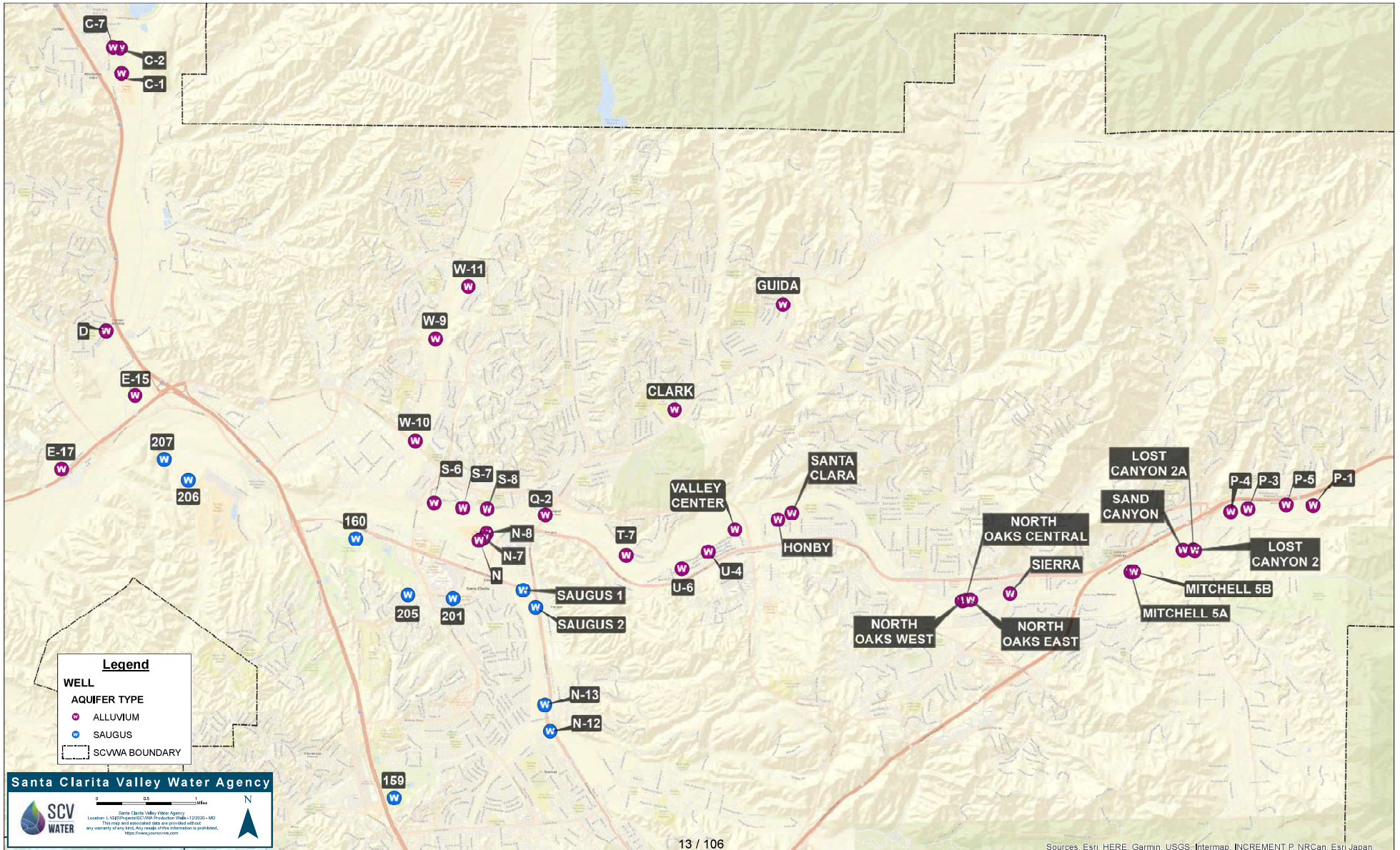
SOURCE	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	TOTAL
RVTP	292	0	0	1,115	4265	3098	2,620	2,675	2,671	2,689			19,424.15
ESTP	2,289	2,533	2,748	2,659	0	1484	2,049	1,922	1,252	587			17,522.50
Wells	189	197	239	241	251	218	239	183	200	193			2,148.99
TOTAL	2,770	2,730	2,987	4,014	4,516	4,799	4,908	4,780	4,123	3,469	0	0	39,095.64

S1/S2 TREATMENT

SOURCE	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	TOTAL
S1	113.09	113.79	131.86	134.46	137.35	125.44	129.6	99.914	102.98	96.391			1184.88
S2	76.197	83.52	107.11	106.16	113.7	92.294	109.2	82.851	96.808	96.311			964.12
TOTAL	189.29	197.31	238.97	240.62	251.05	217.74	238.8	182.76	199.79	192.7	0	0	2148.99

[This page intentionally left blank.]

SCVWA PRODUCTION WELLS



[This page intentionally left blank.]



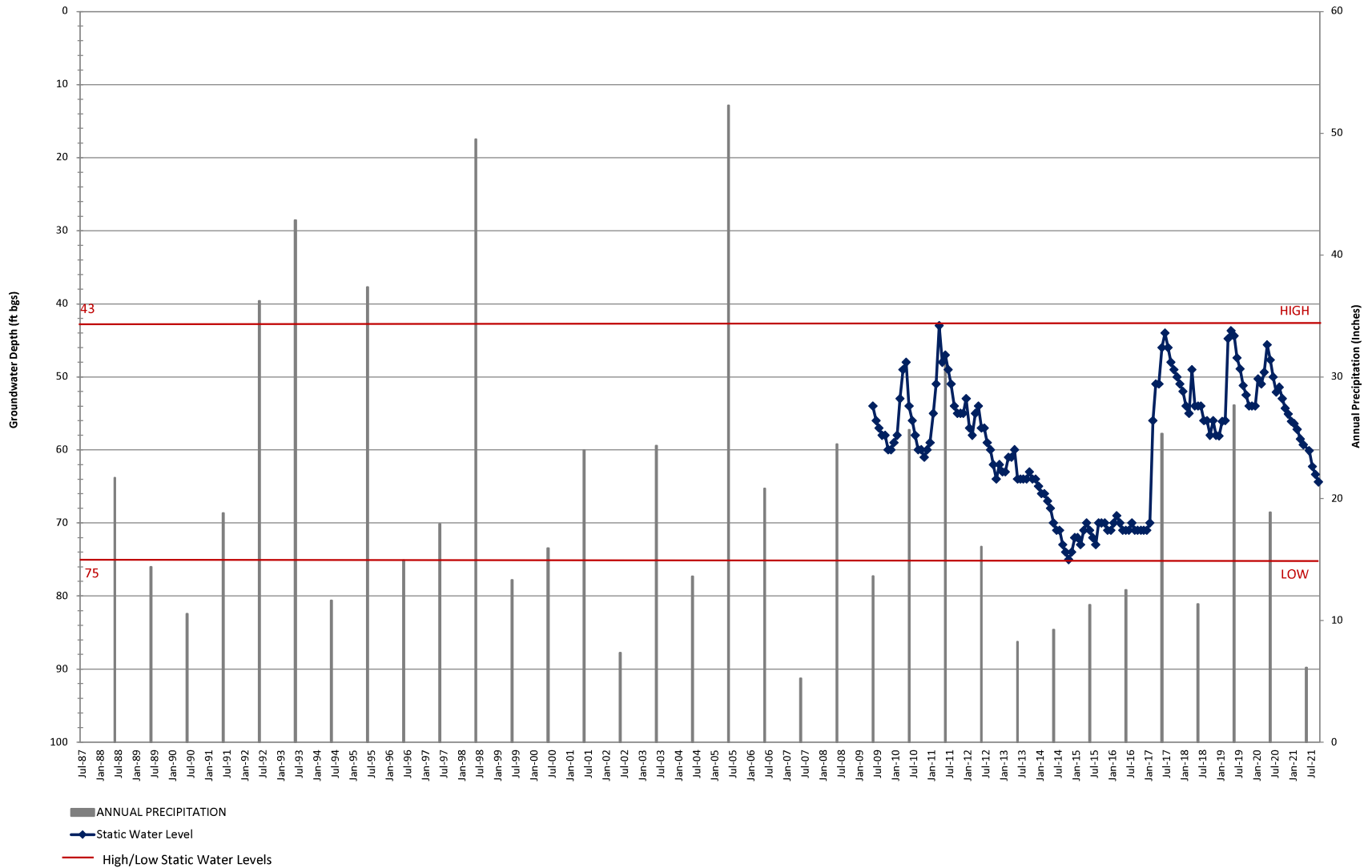
TABLE OF CONTENTS

OCTOBER 2021

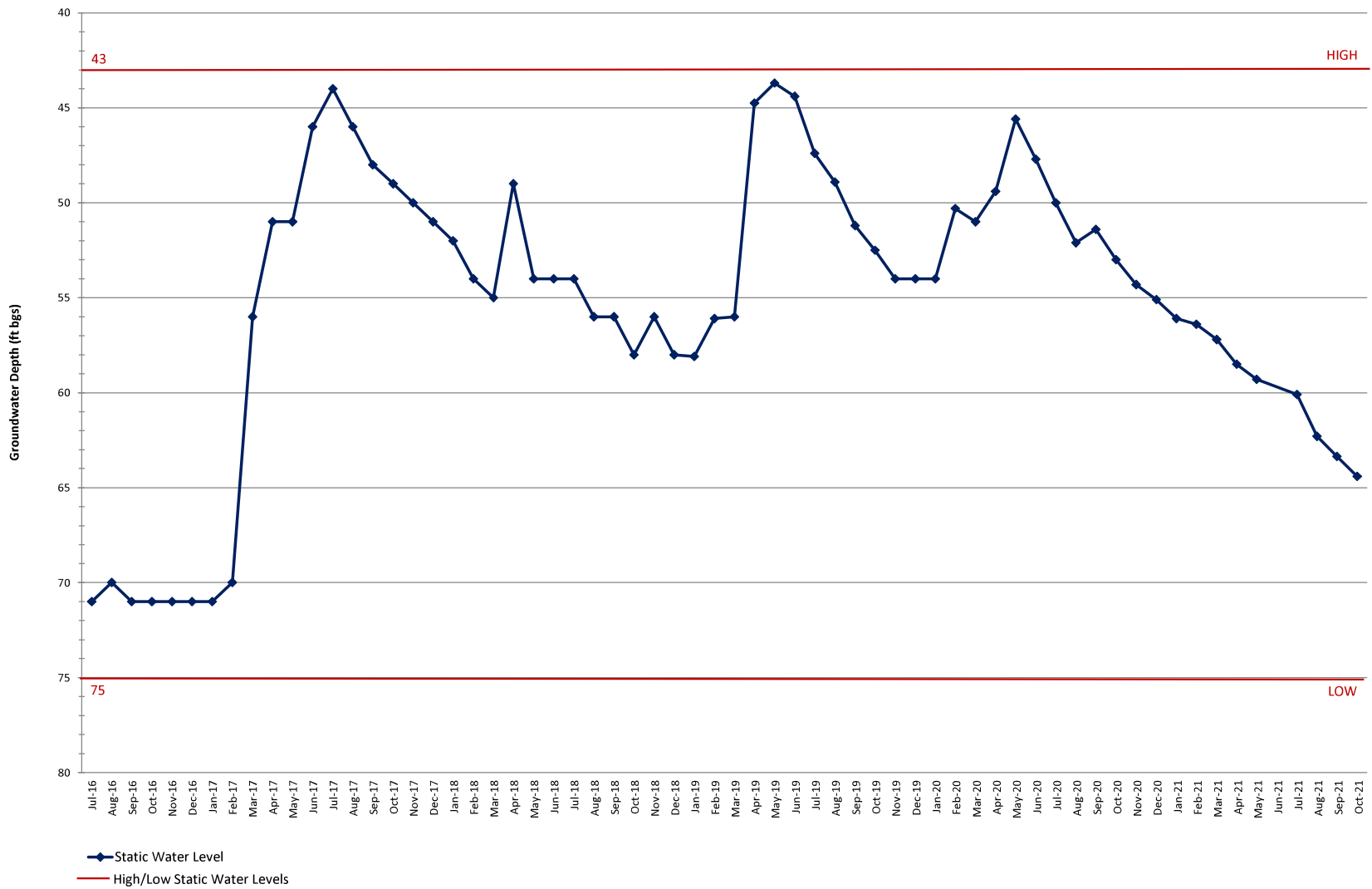
	PAGE NO.
SCV WATER WELL GRAPHS	15
C7 -----	17-18
C2 -----	19-20
C1 -----	21-22
D -----	23-24
E15 -----	25-26
E17 -----	27-28
207 -----	29-30
206 -----	31-32
159 -----	33-34
160 -----	35-36
W9 -----	37-38
W11 -----	39-40
W10 -----	41-42
S6 -----	43-44
S7 -----	45-46
S8 -----	47-48
205 -----	49-50
201 -----	51-52
N -----	53-54
N7 -----	55-56
N12 -----	57-58
N13 -----	59-60
N8 -----	61-62
Q2 -----	63-64

GUIDA #14	-----	65-66
T7	-----	67-68
CLARK #15	-----	69-70
U6	-----	71-72
U4	-----	73-74
VALLEY CENTER	-----	75-76
HONBY #12	-----	77-78
SANTA CLARA	-----	79-80
NORTH OAKS CENTRAL #8	-----	81-82
NORTH OAKS WEST #9	-----	83-84
NORTH OAKS EAST #7	-----	85-86
SIERRA #6	-----	87-88
MITCHELL #5A	-----	89-90
MITCHELL #5B	-----	91-92
SAND CANYON #3	-----	93-94
LOST CANYON #2A	-----	95-96
LOST CANYON 2	-----	97-98
P4	-----	99-100
P3	-----	101-102
P5	-----	103-104
P1	-----	105-106

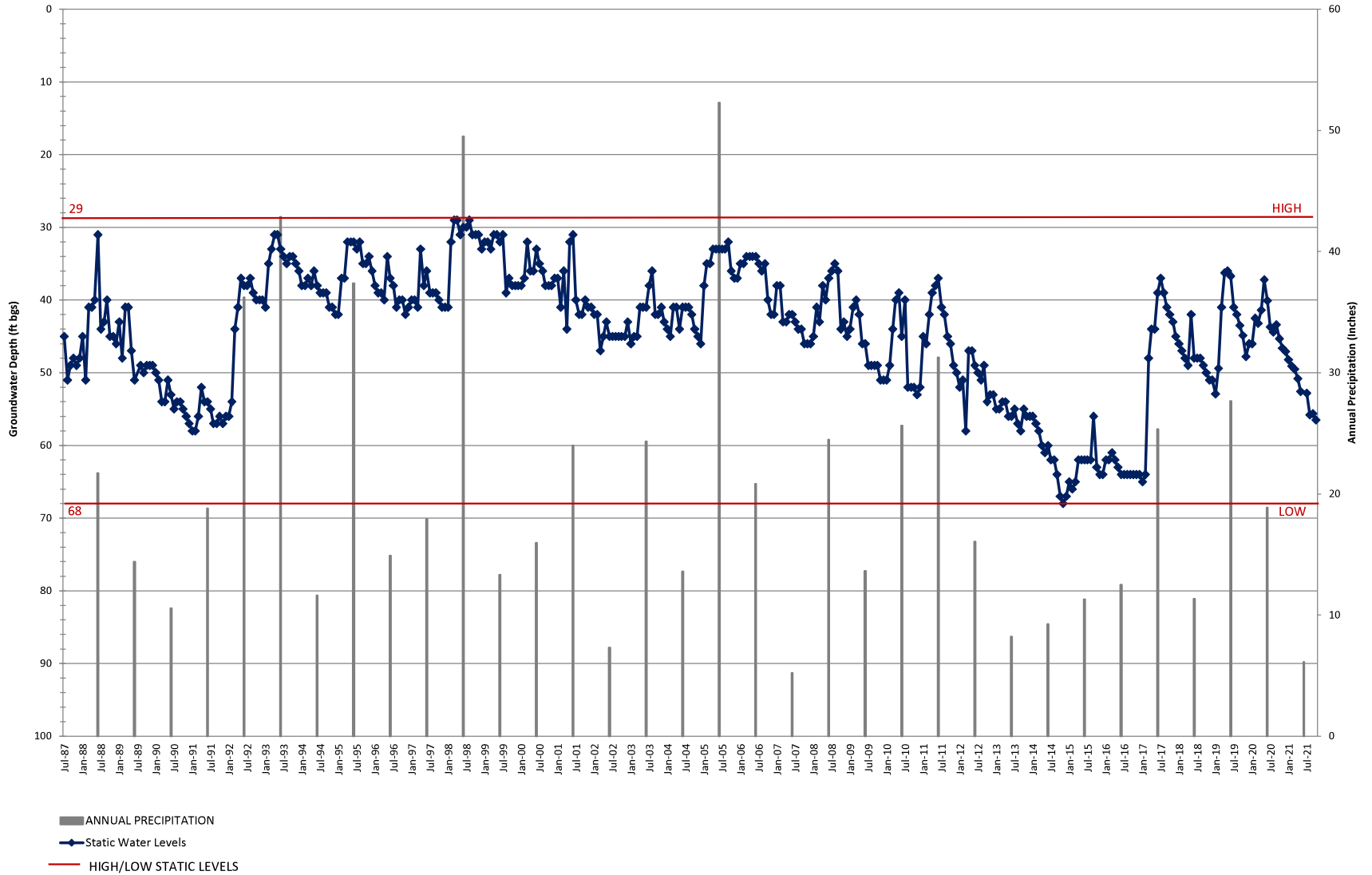
SCV WATER WELL C7
 STATIC WATER LEVEL VS PRECIPITATION



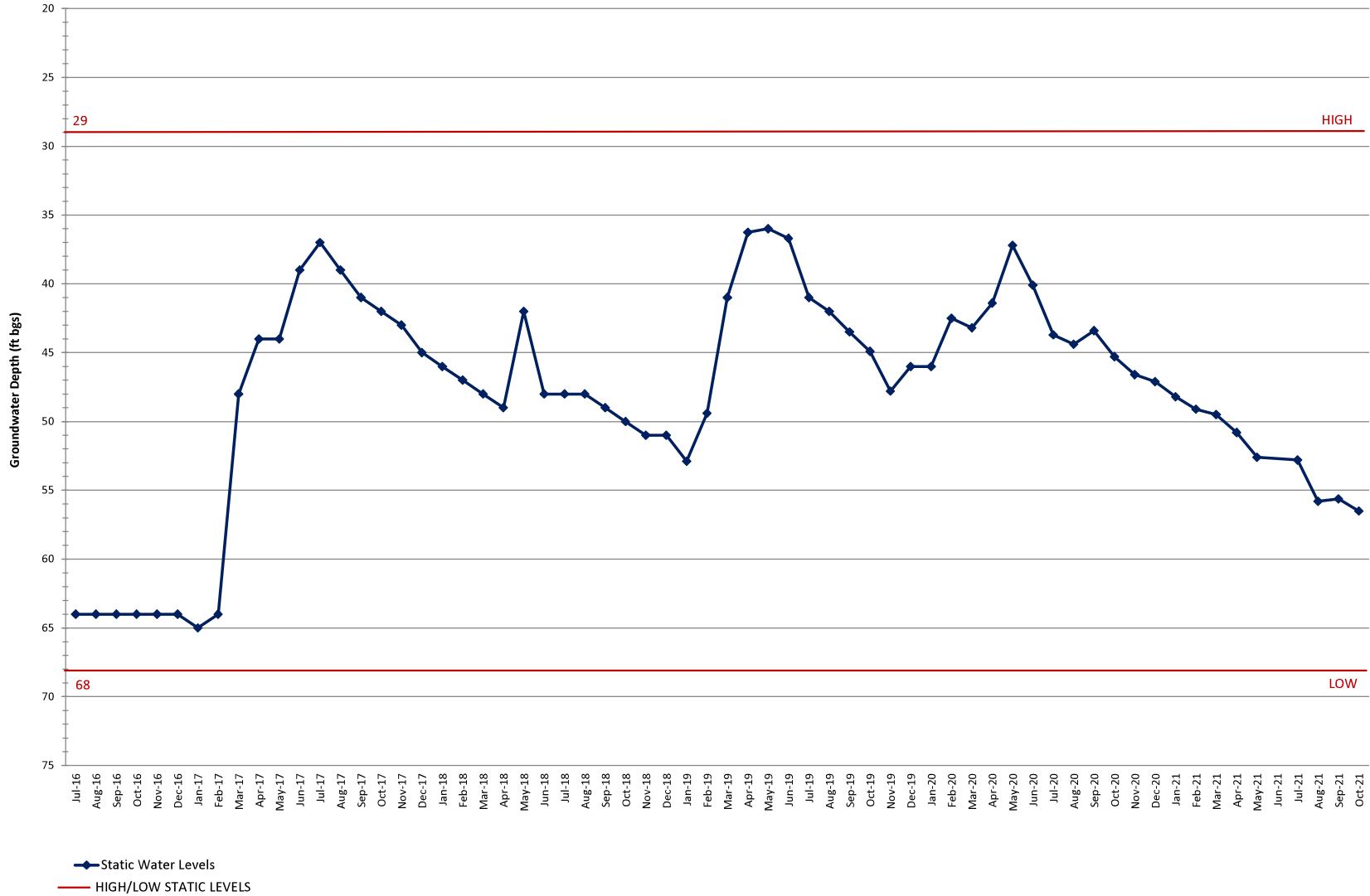
SCV WATER WELL C7
STATIC WATER LEVEL



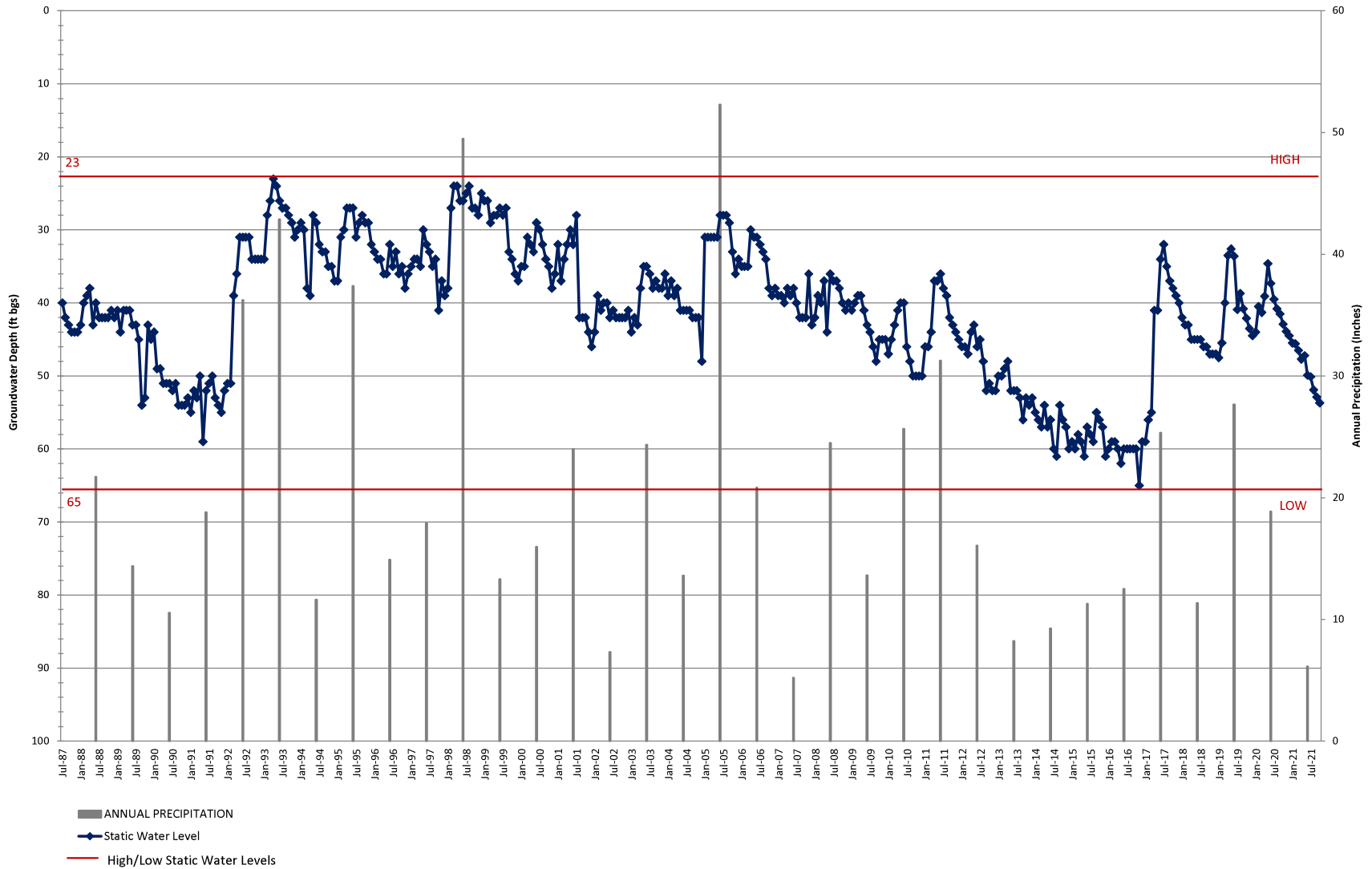
SCV WATER WELL C2
 STATIC WATER LEVEL VS PRECIPITATION



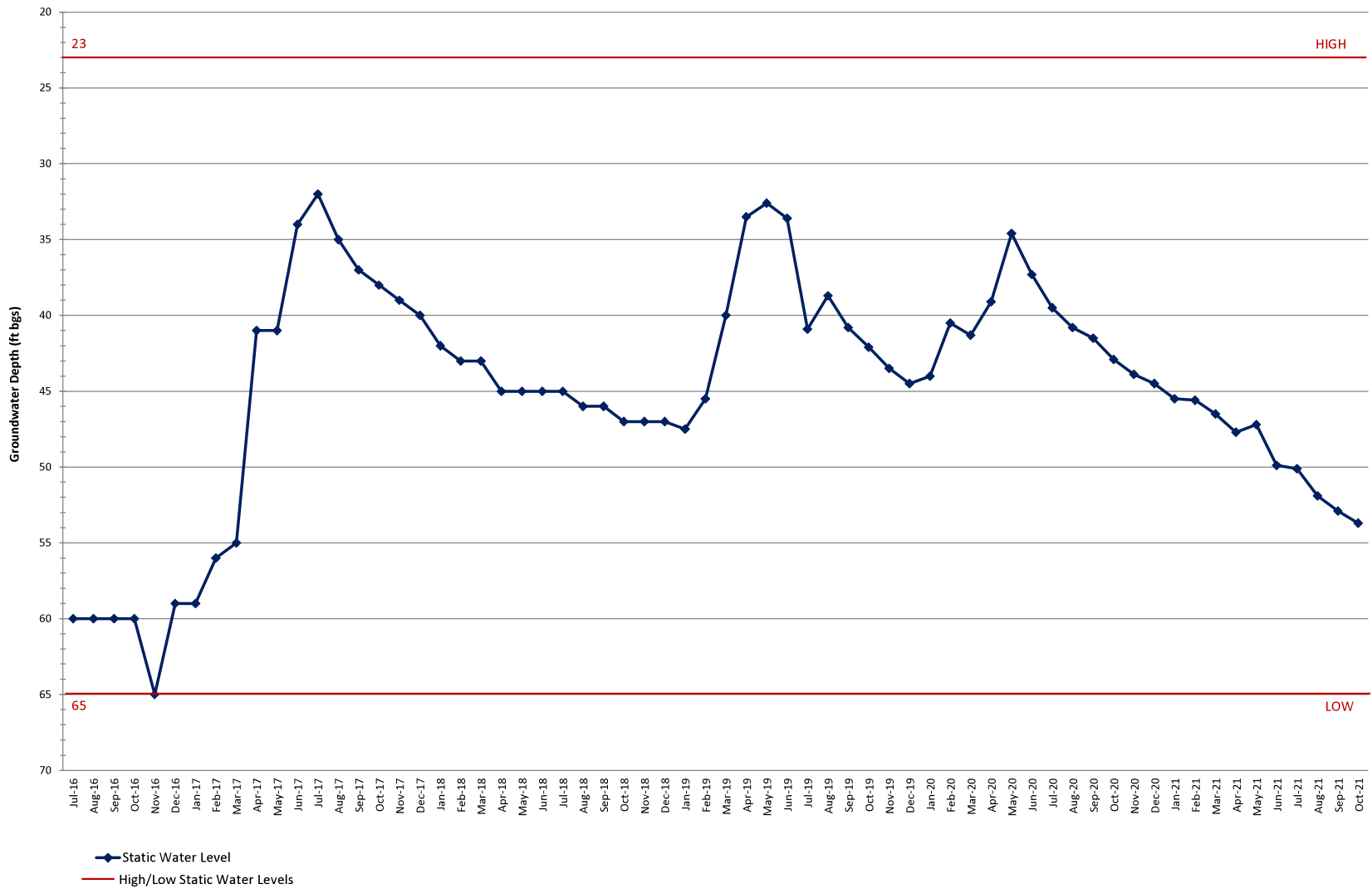
SCV WATER WELL C2
 STATIC WATER LEVEL



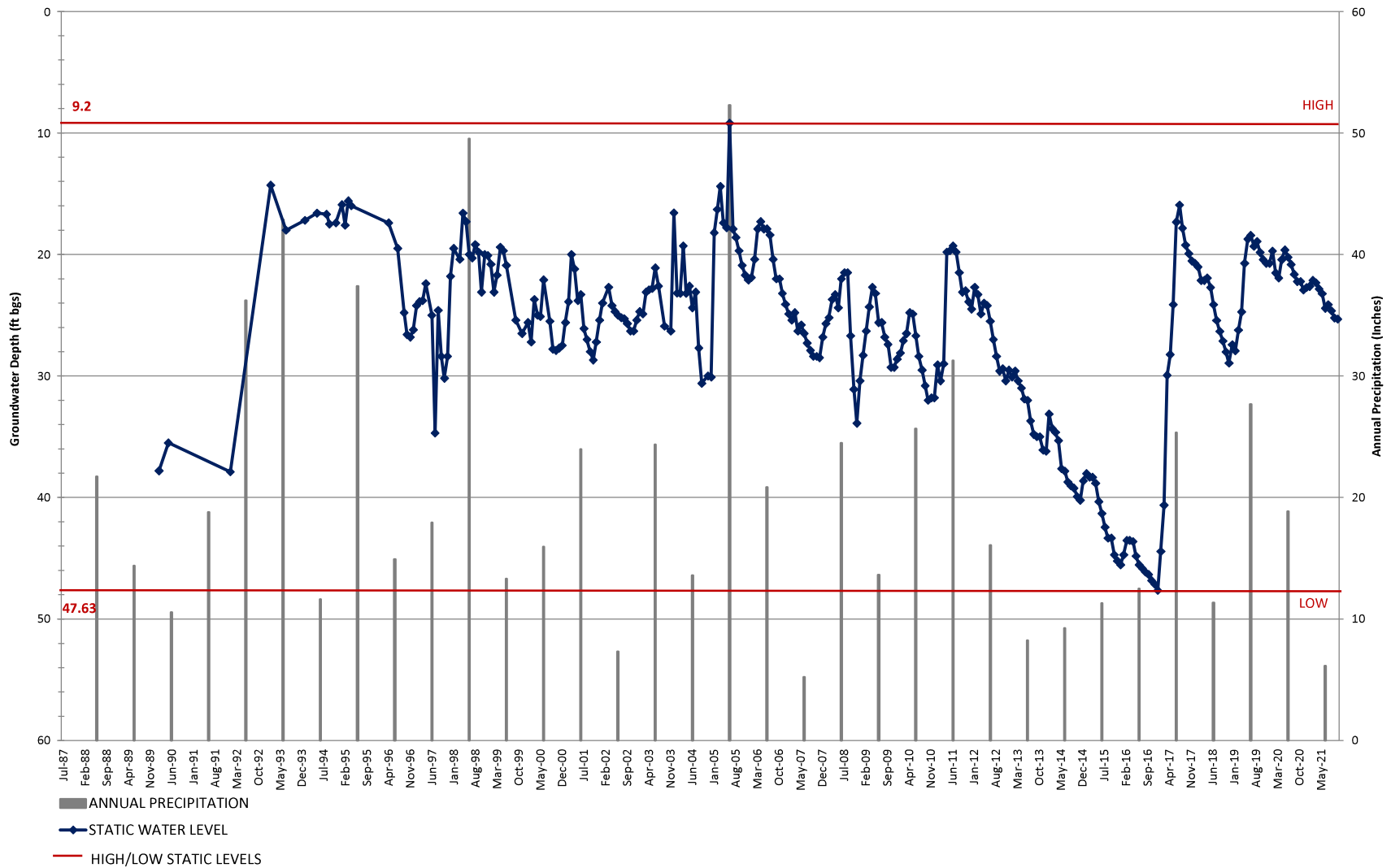
SCV WATER WELL C1
 STATIC WATER LEVEL VS PRECIPITATION



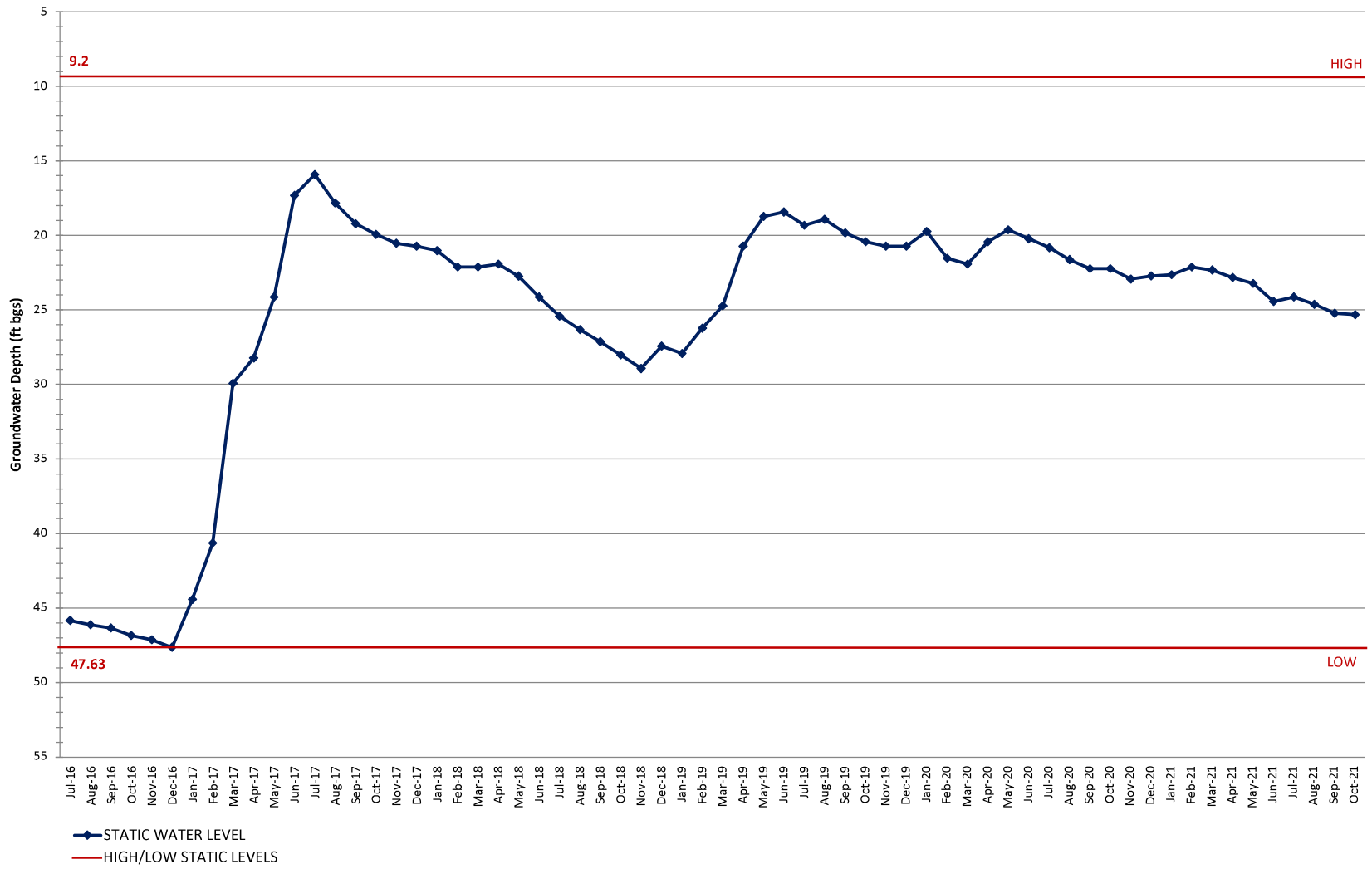
SCV WATER WELL C1
 STATIC WATER LEVEL



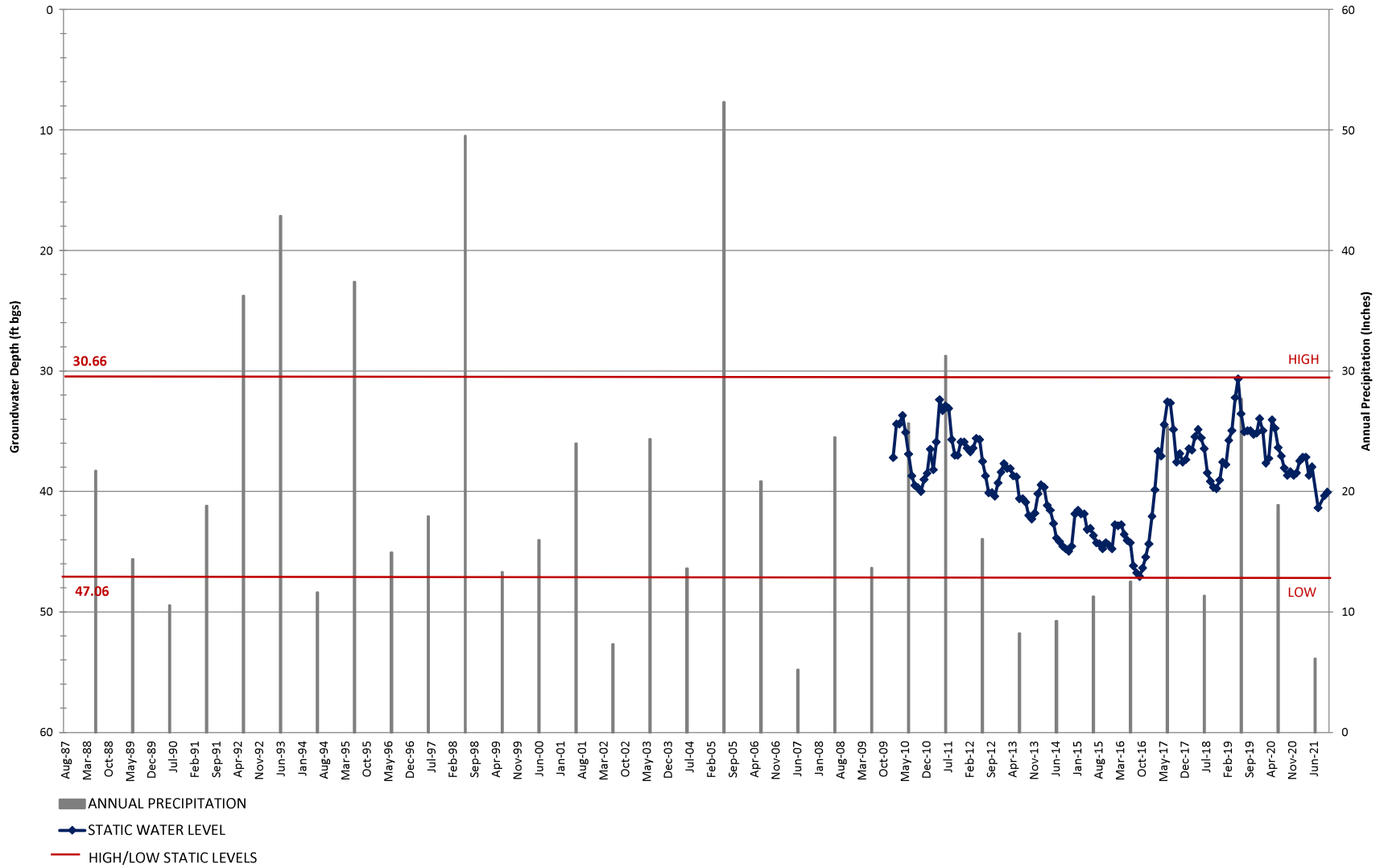
SCV WATER WELL D
 STATIC WATER LEVEL VS PRECIPITATION



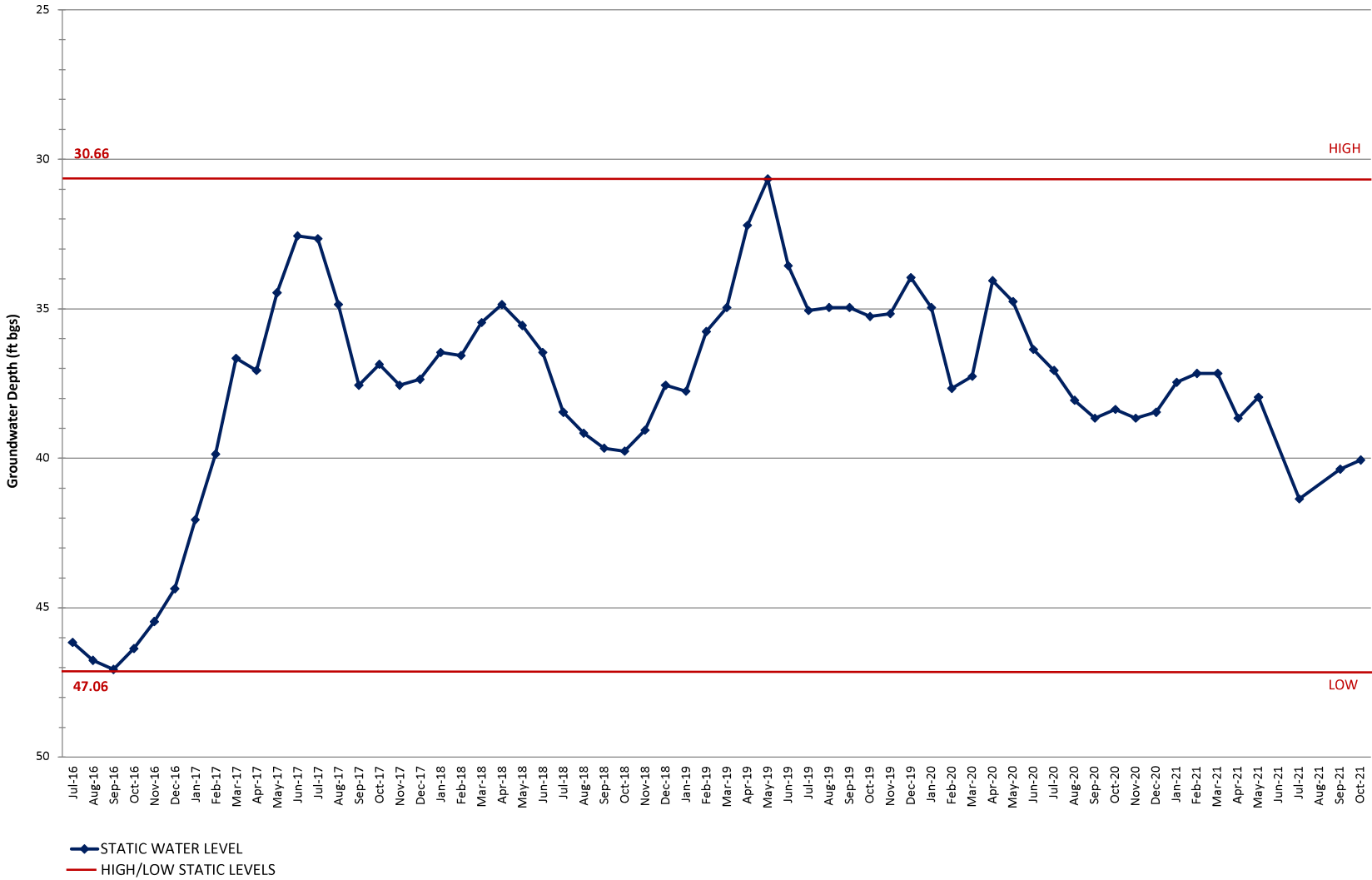
SCV WATER WELL D
STATIC WATER LEVEL



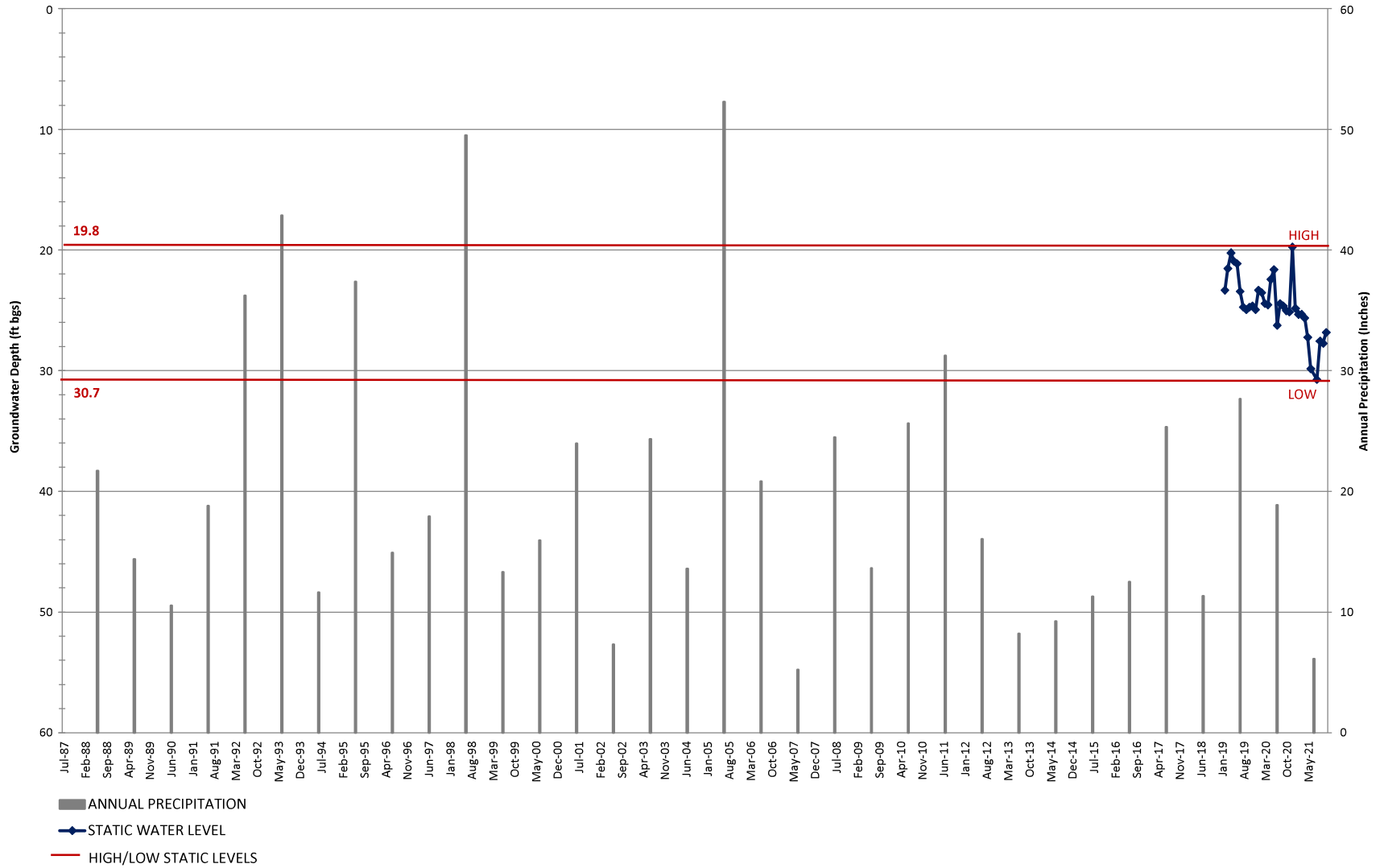
SCV WATER WELL E15
 STATIC WATER LEVEL VS. PRECIPITATION



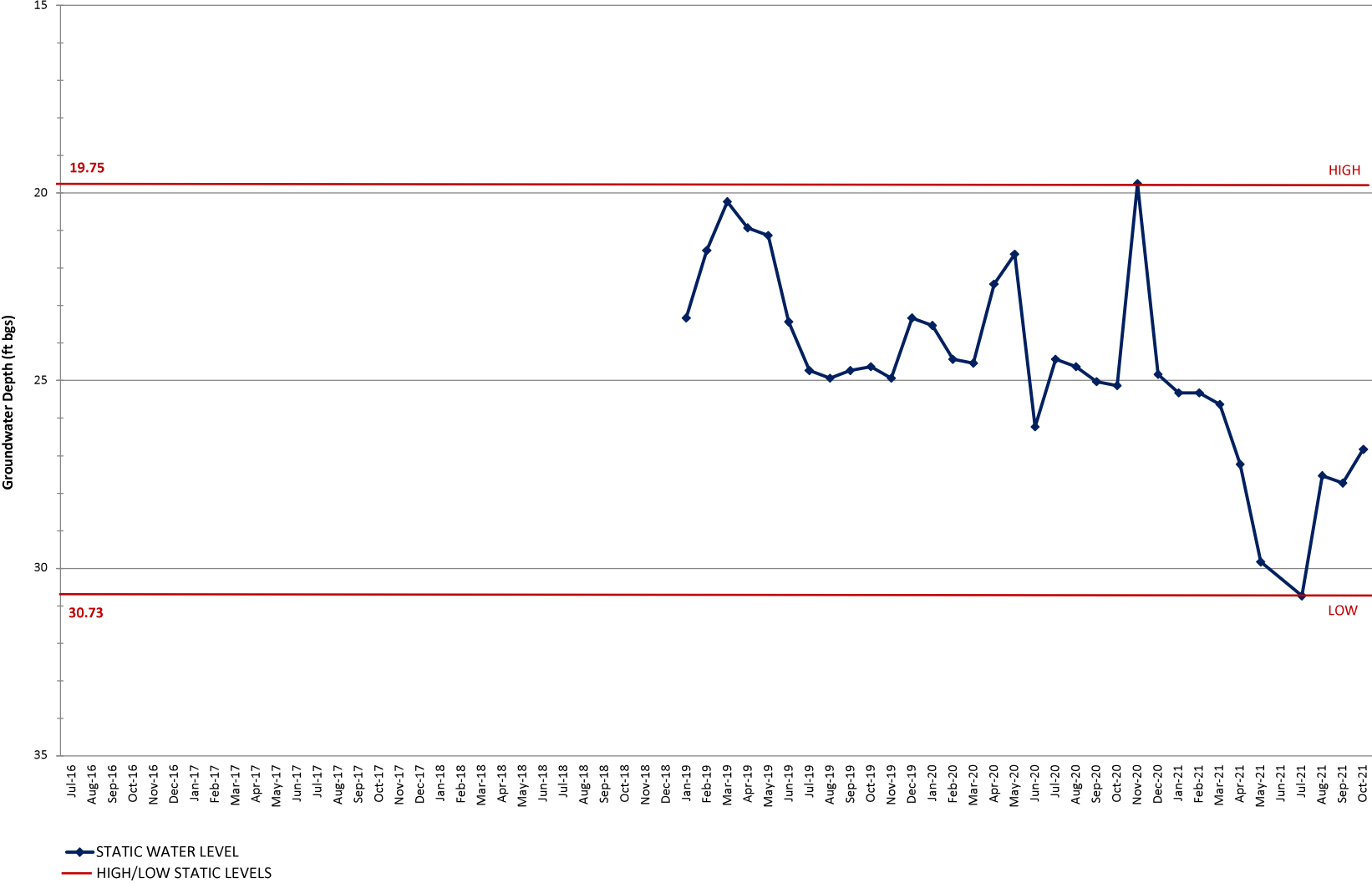
SCV WATER WELL E15
STATIC WATER LEVEL



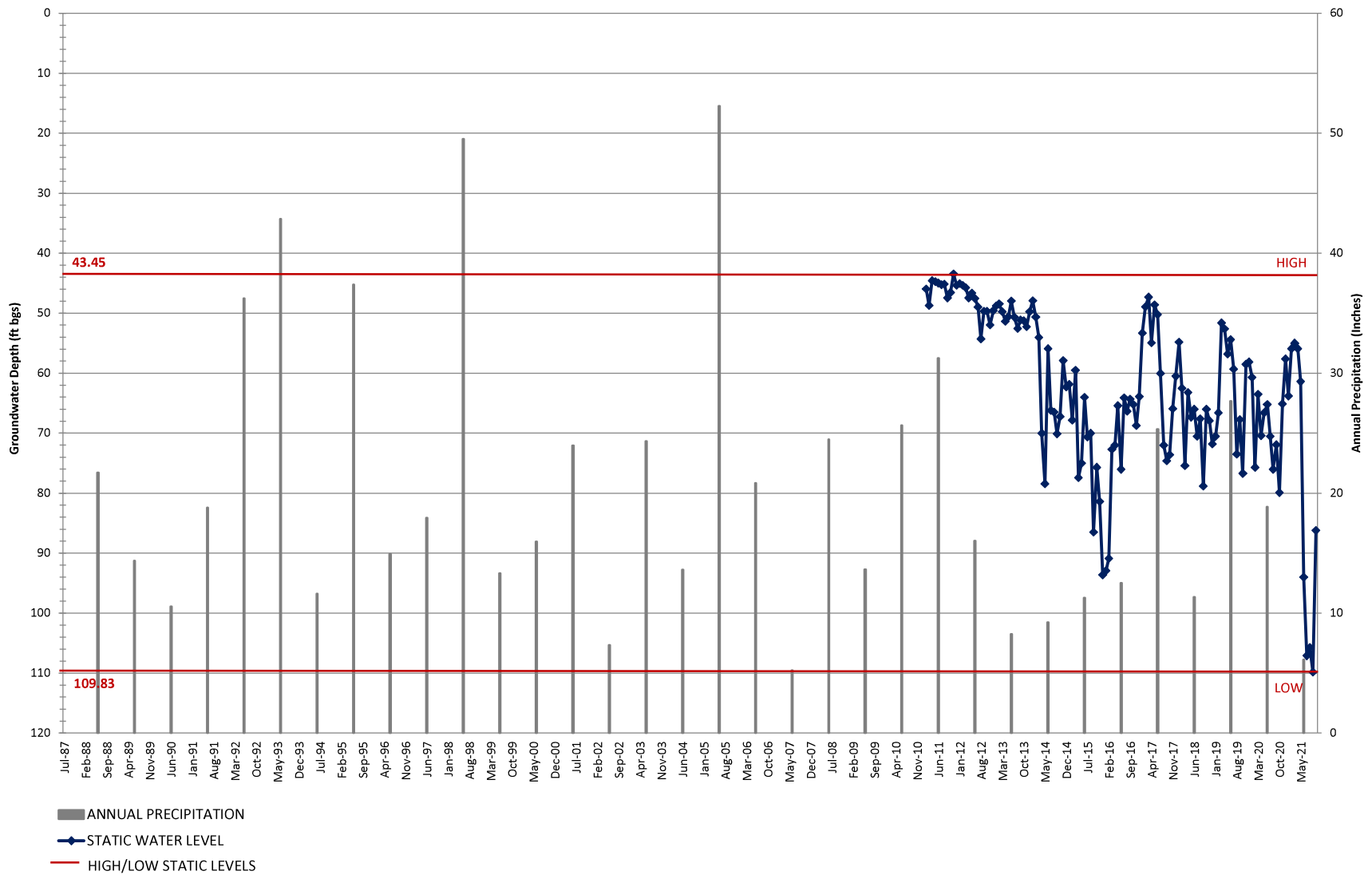
SCV WATER WELL E17
 STATIC WATER LEVEL VS. PRECIPITATION



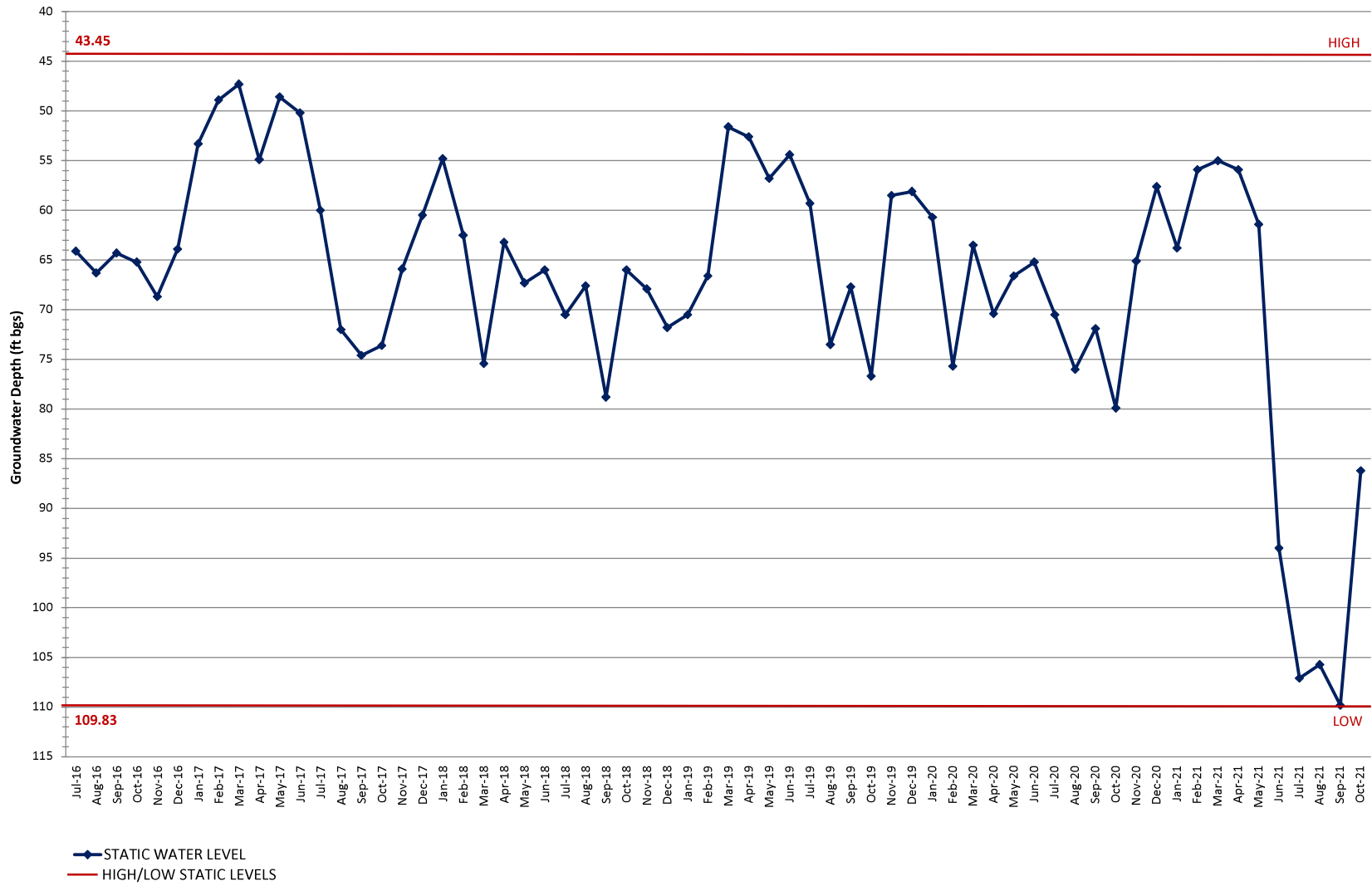
SCV WATER WELL E17
STATIC WATER LEVEL



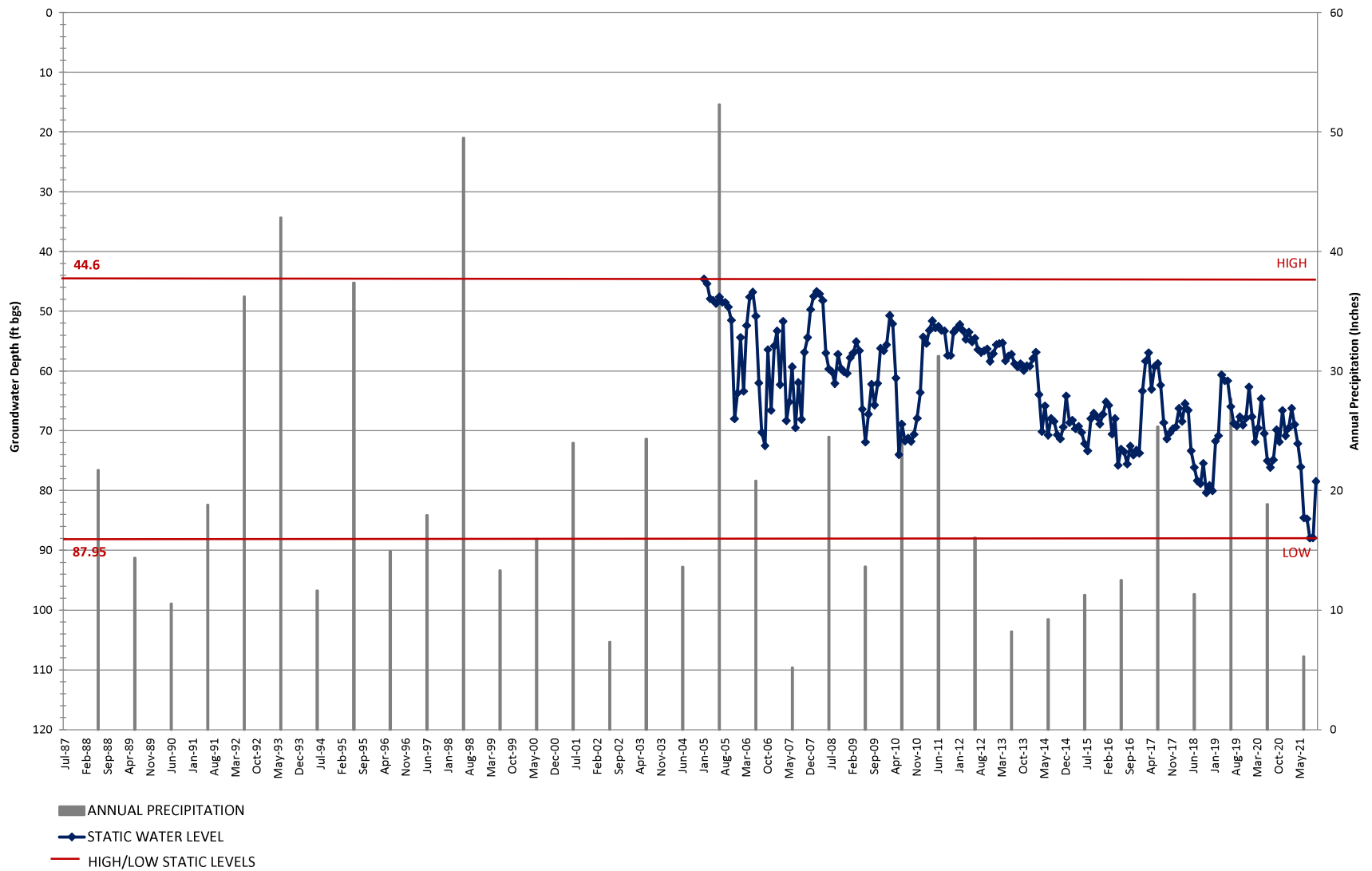
SCV WATER WELL 207
 STATIC WATER LEVEL VS PRECIPITATION



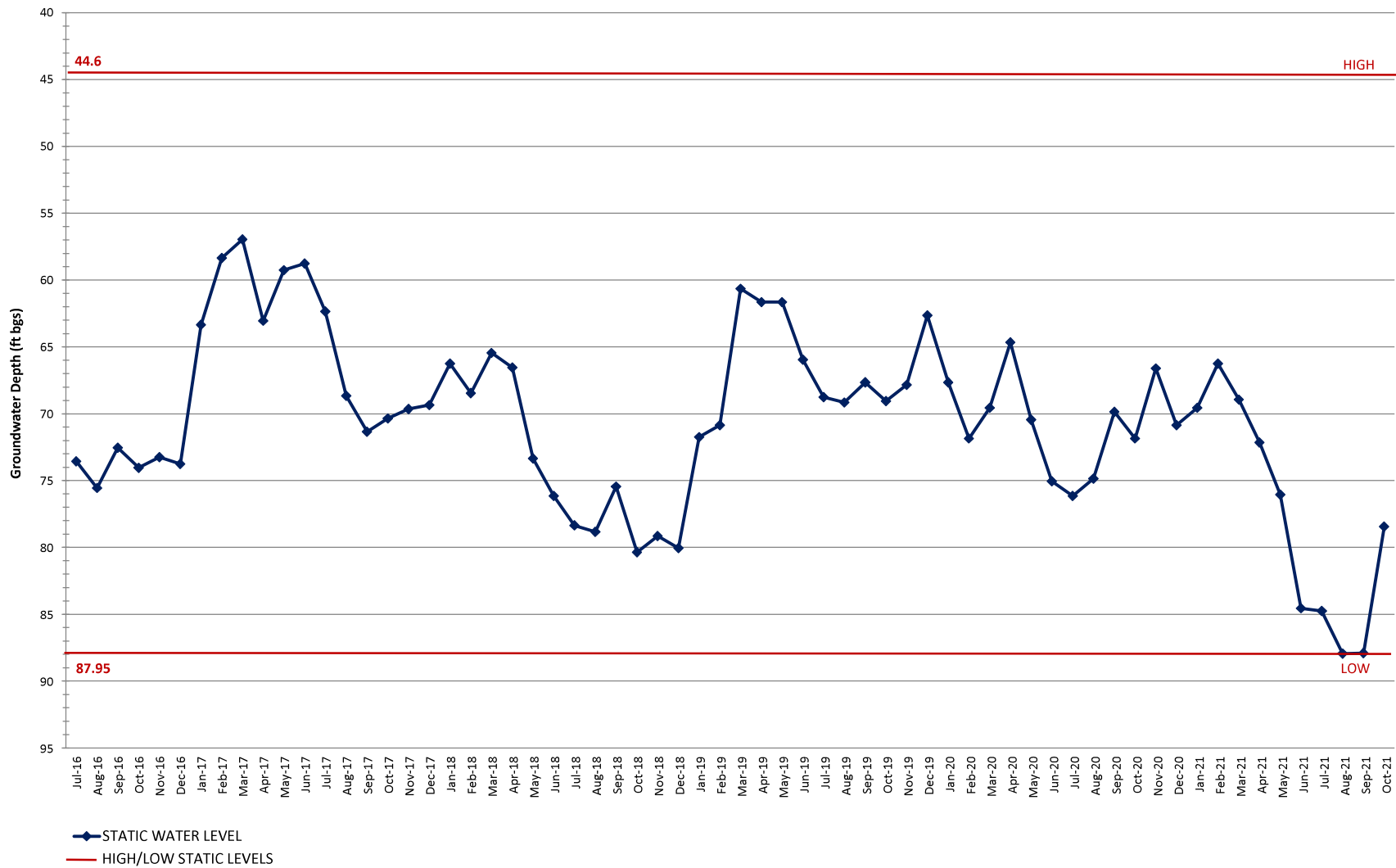
SCV WATER WELL 207
 STATIC WATER LEVEL



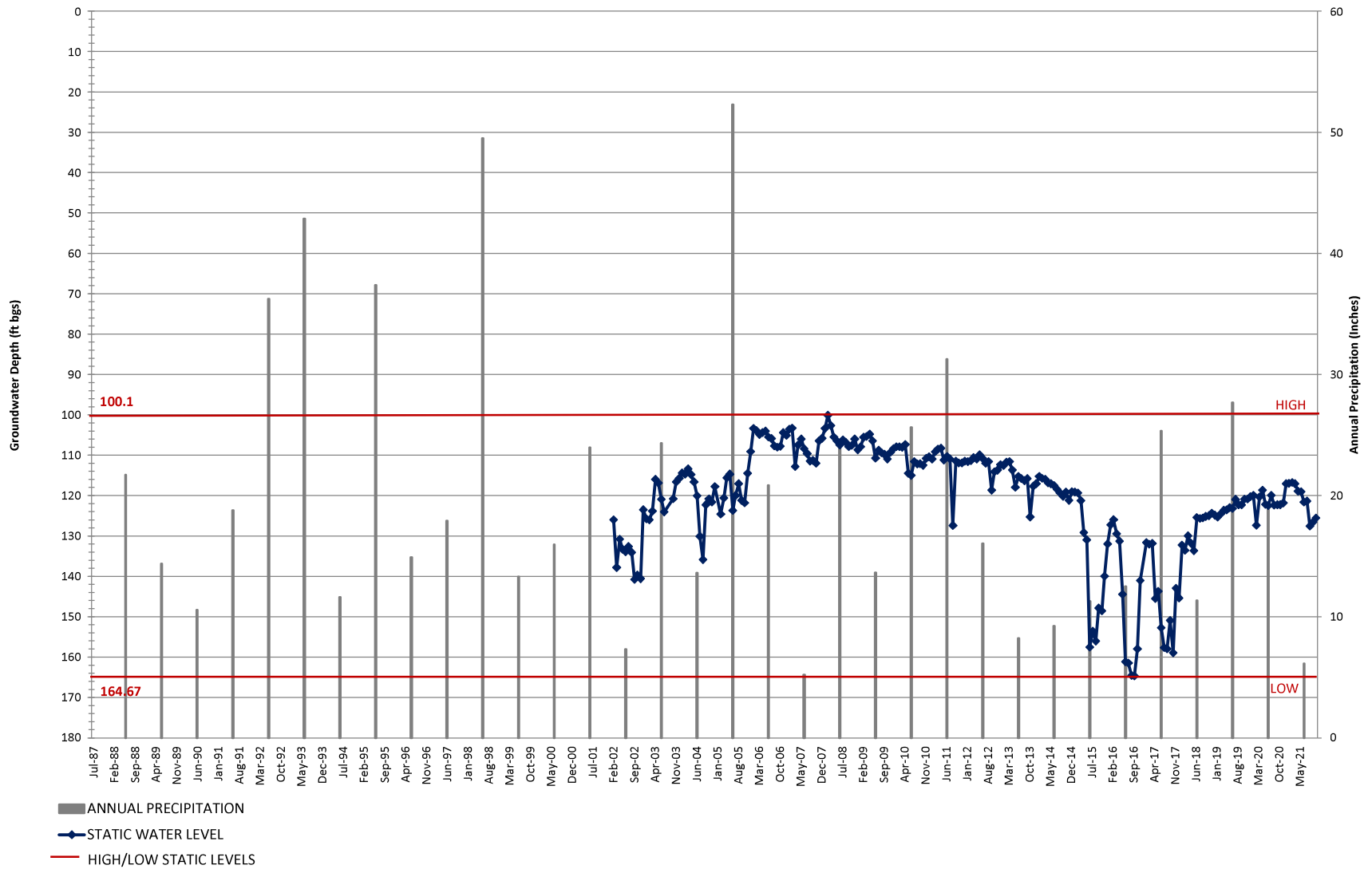
SCV WATER WELL 206
 STATIC WATER LEVEL VS PRECIPITATION



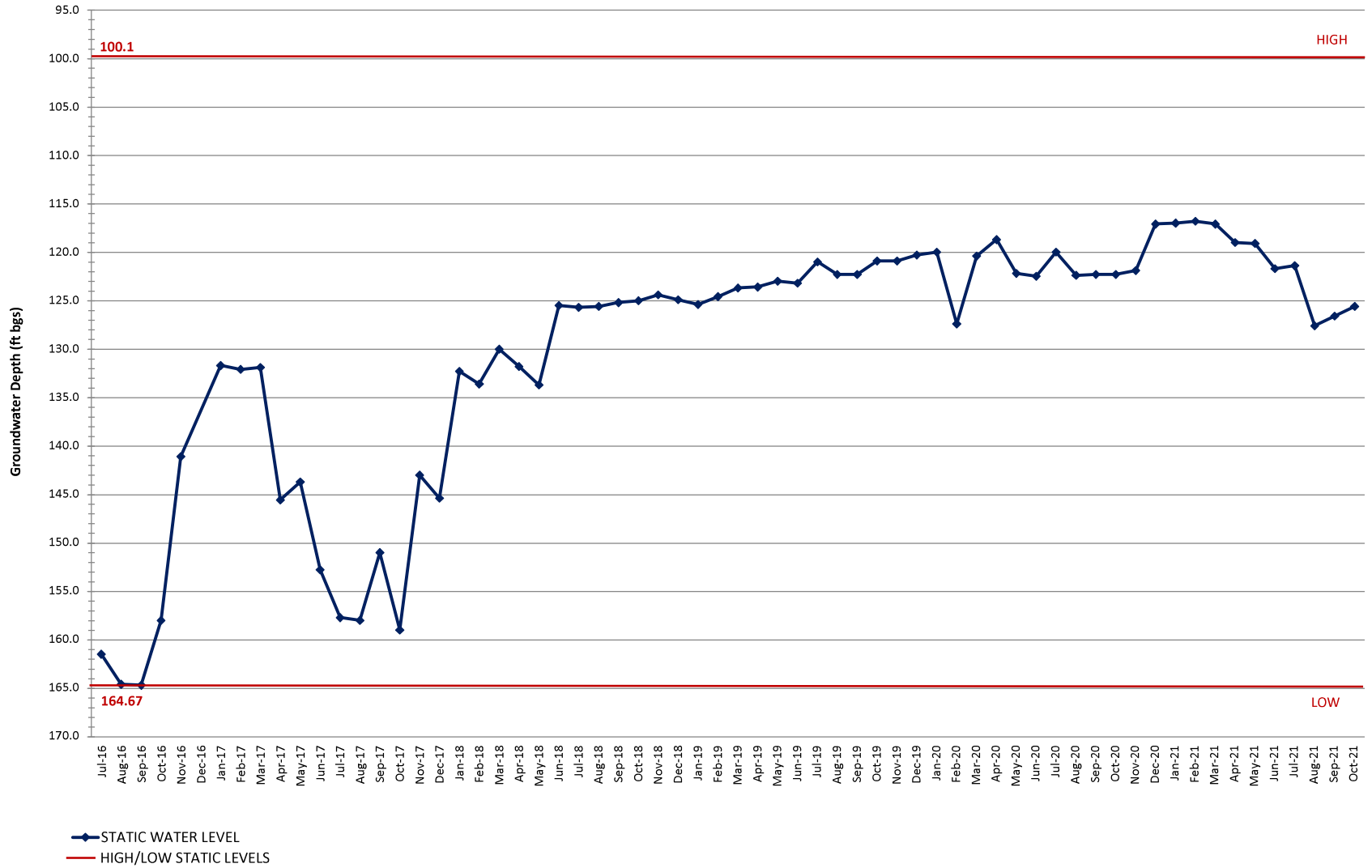
SCV WATER WELL 206
 STATIC WATER LEVEL



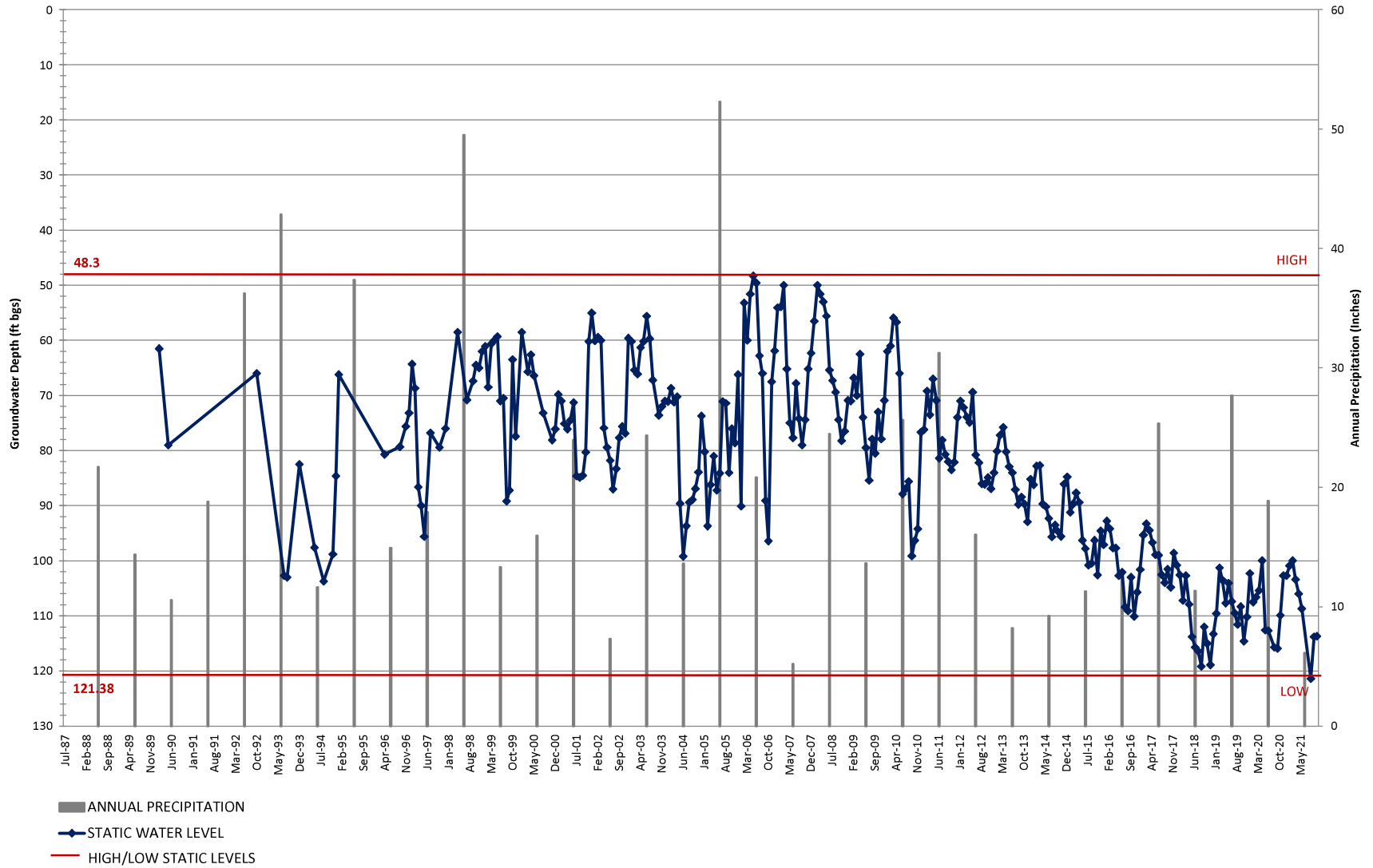
SCV WATER WELL 159
 STATIC WATER LEVEL VS PRECIPITATION



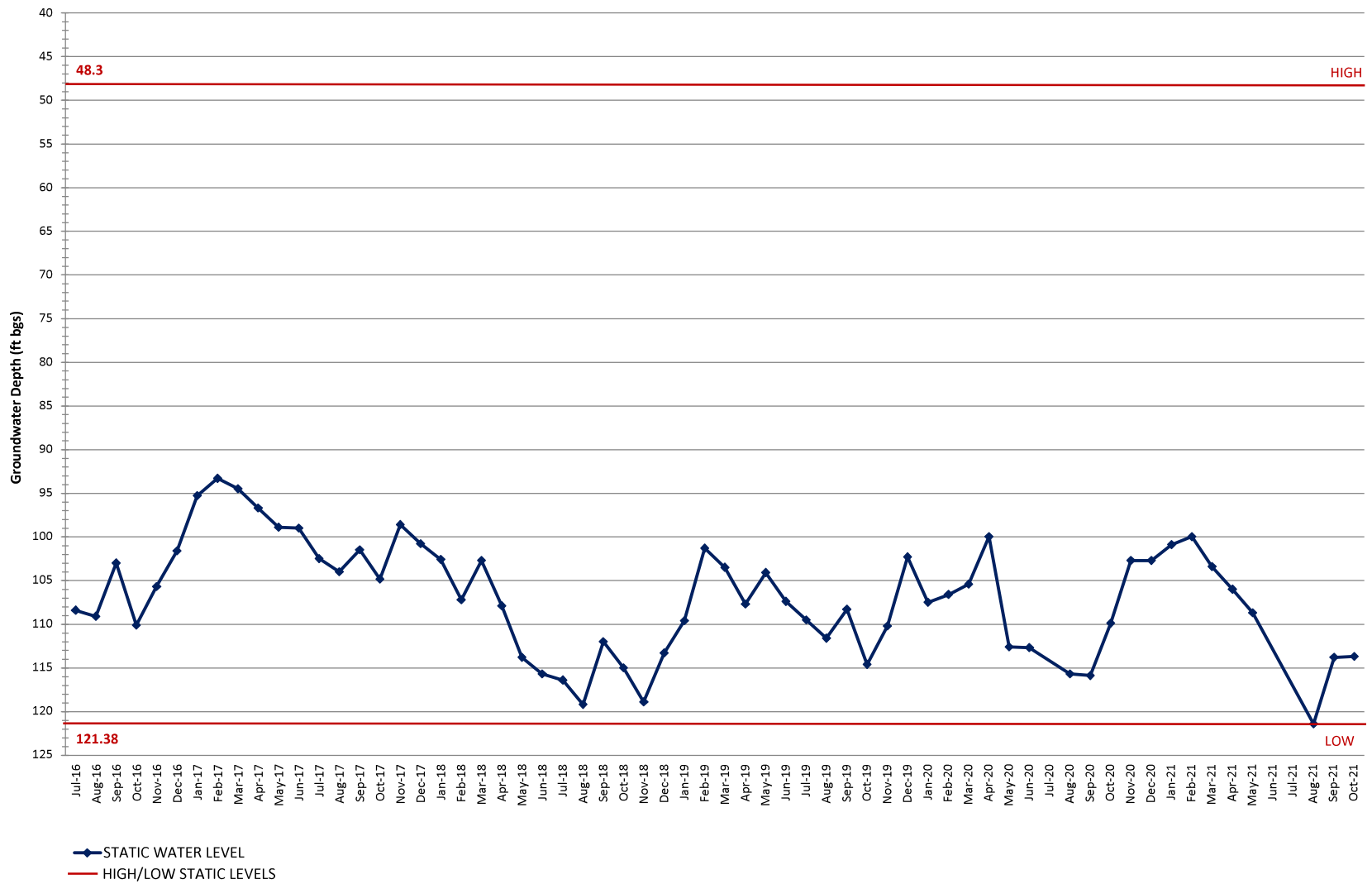
SCV WATER WELL 159
 STATIC WATER LEVEL



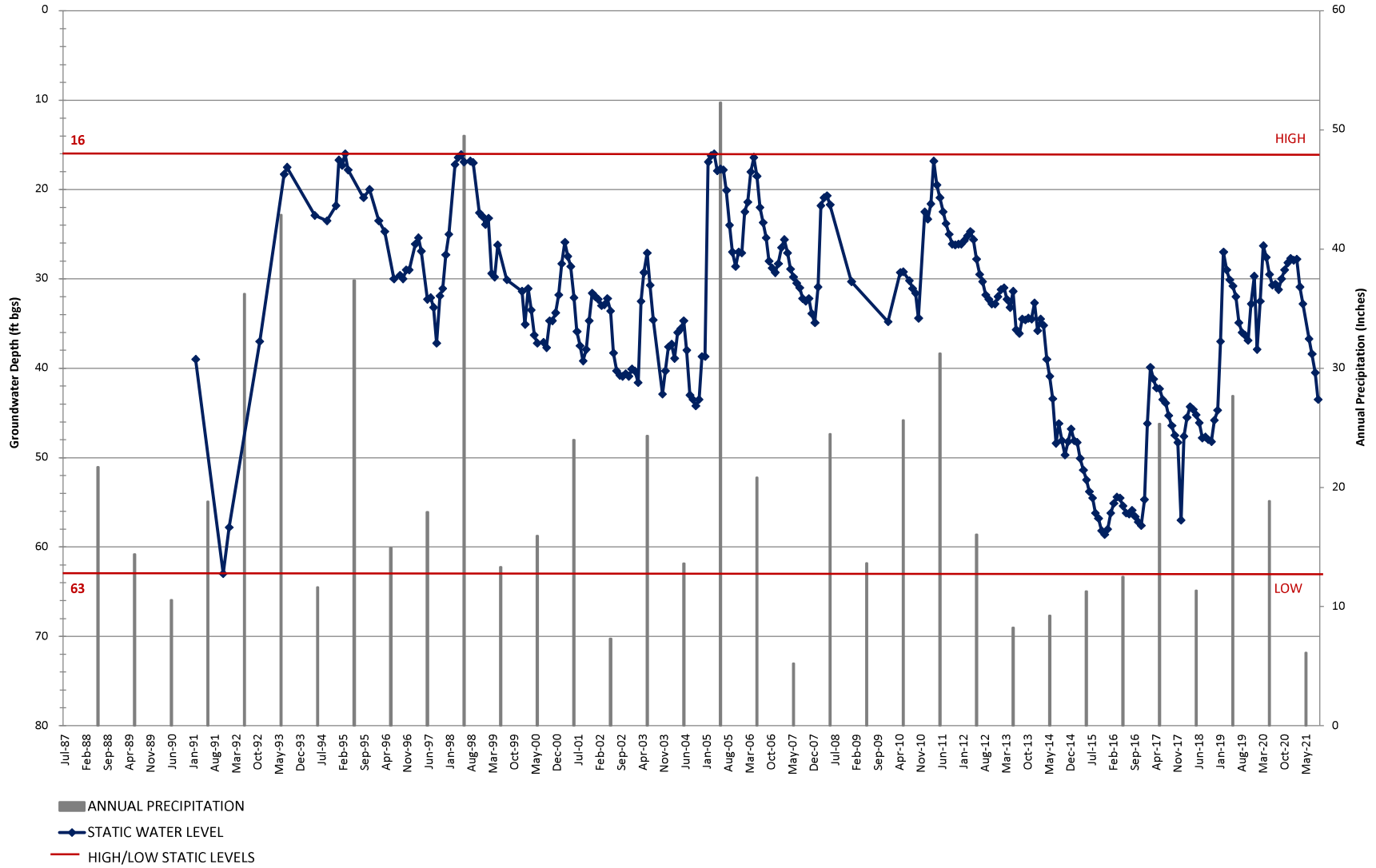
SCV WATER WELL 160
 STATIC WATER LEVEL VS PRECIPITATION



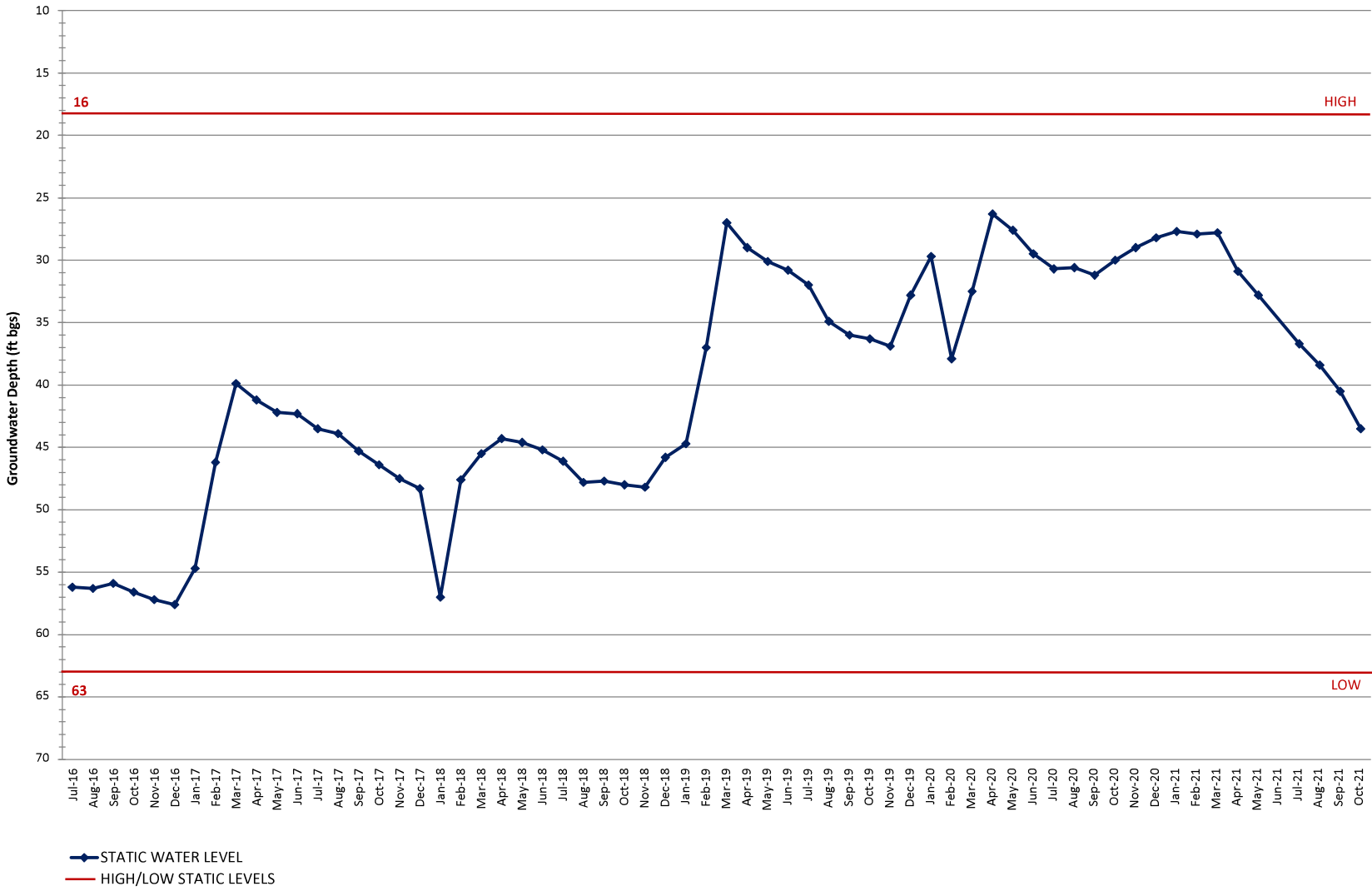
SCV WATER WELL 160
 STATIC WATER LEVEL



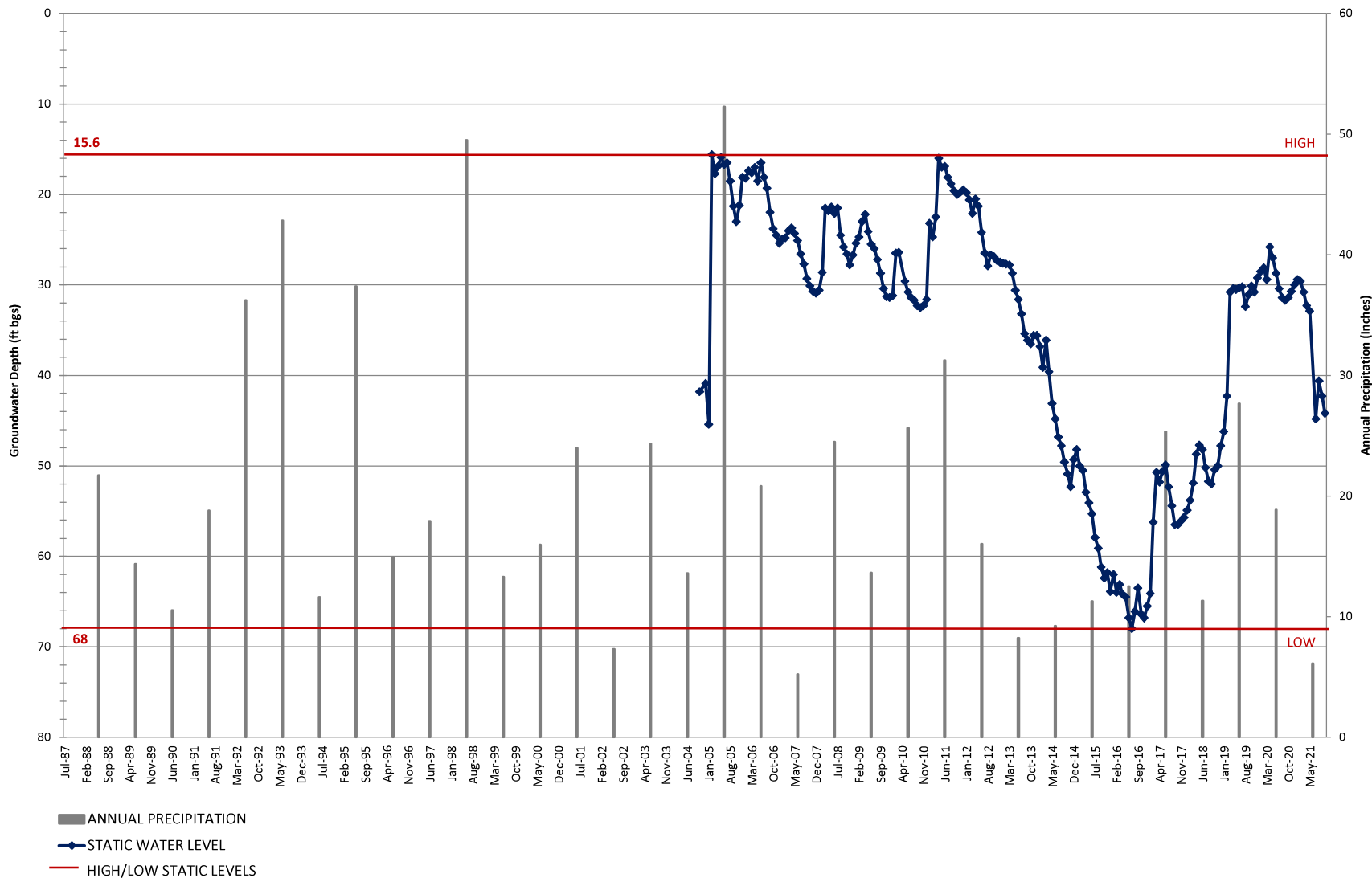
SCV WATER WELL W9
 STATIC WATER LEVEL VS PRECIPITATION



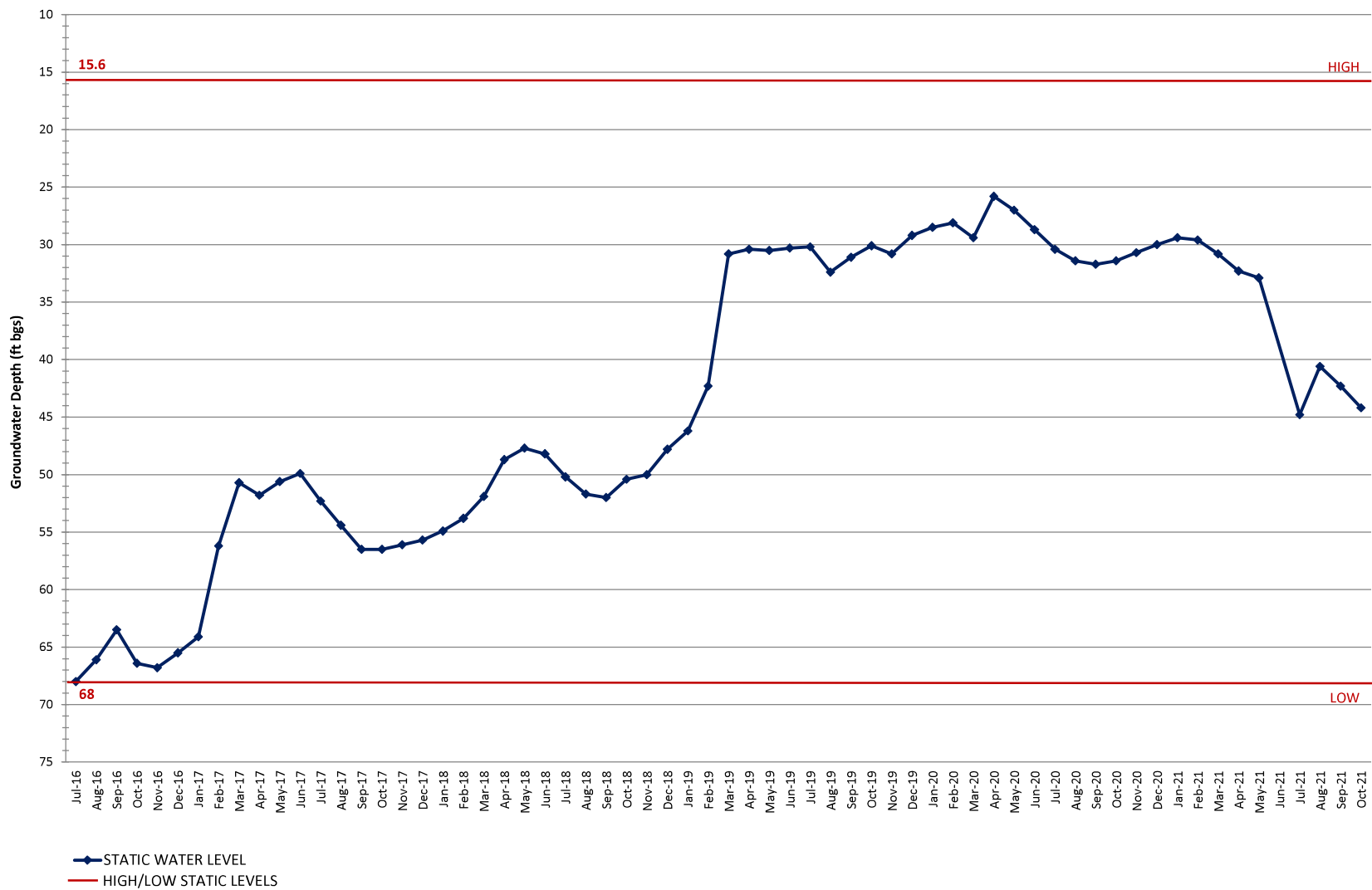
SCV WATER WELL W9
STATIC WATER LEVEL



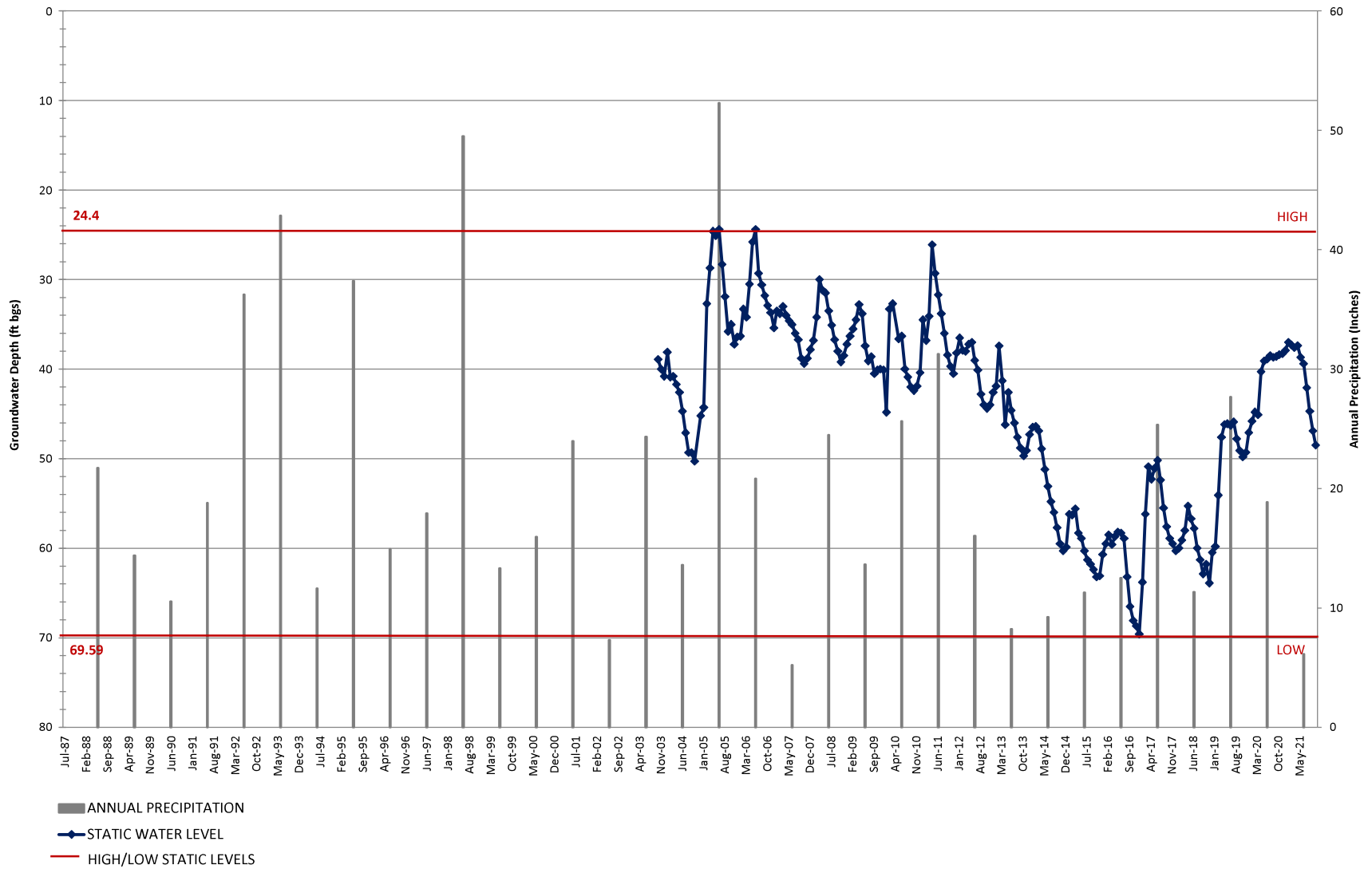
SCV WATER WELL W11
 STATIC WATER LEVEL VS PRECIPITATION



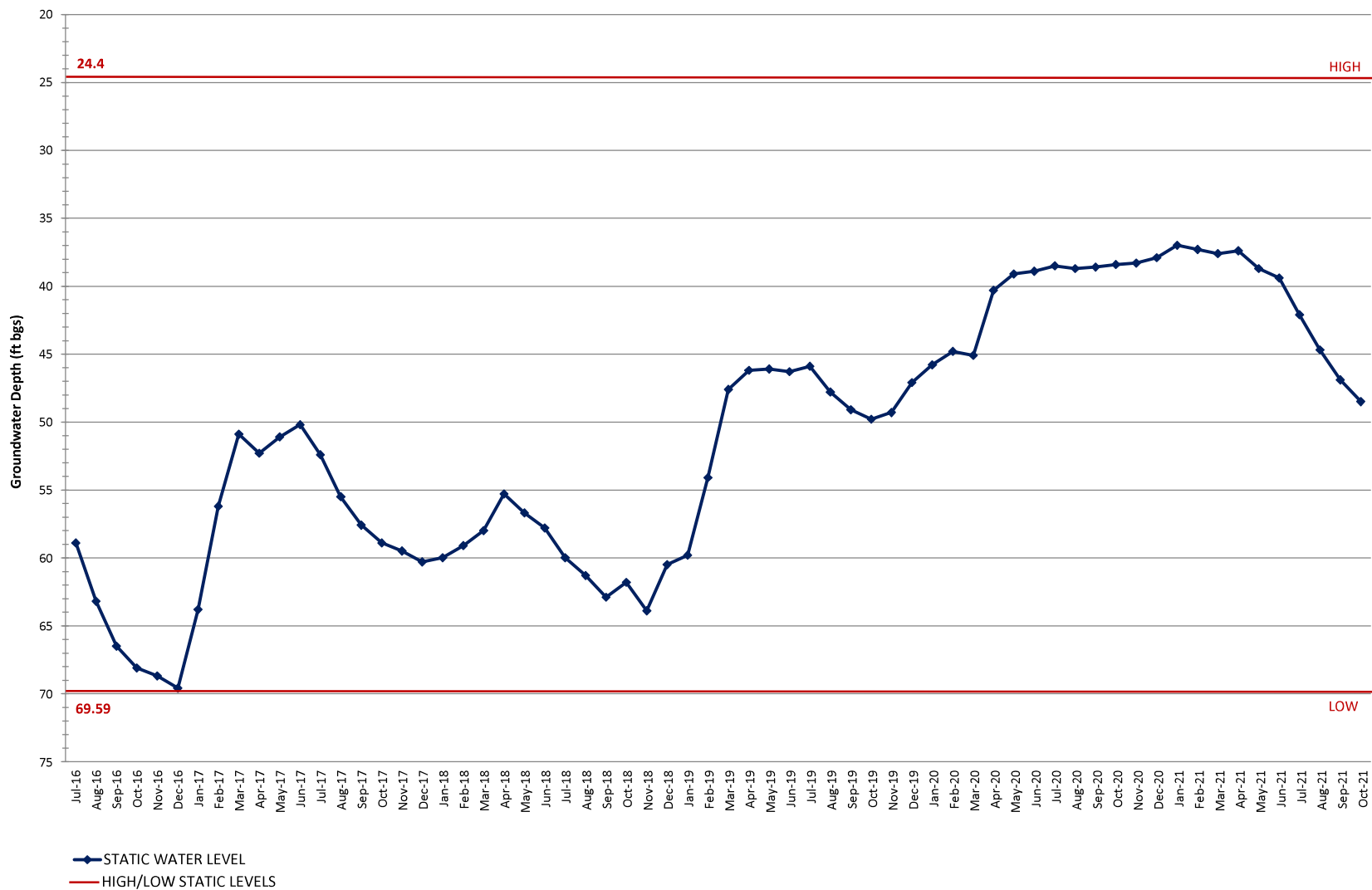
SCV WATER WELL W11
STATIC WATER LEVEL



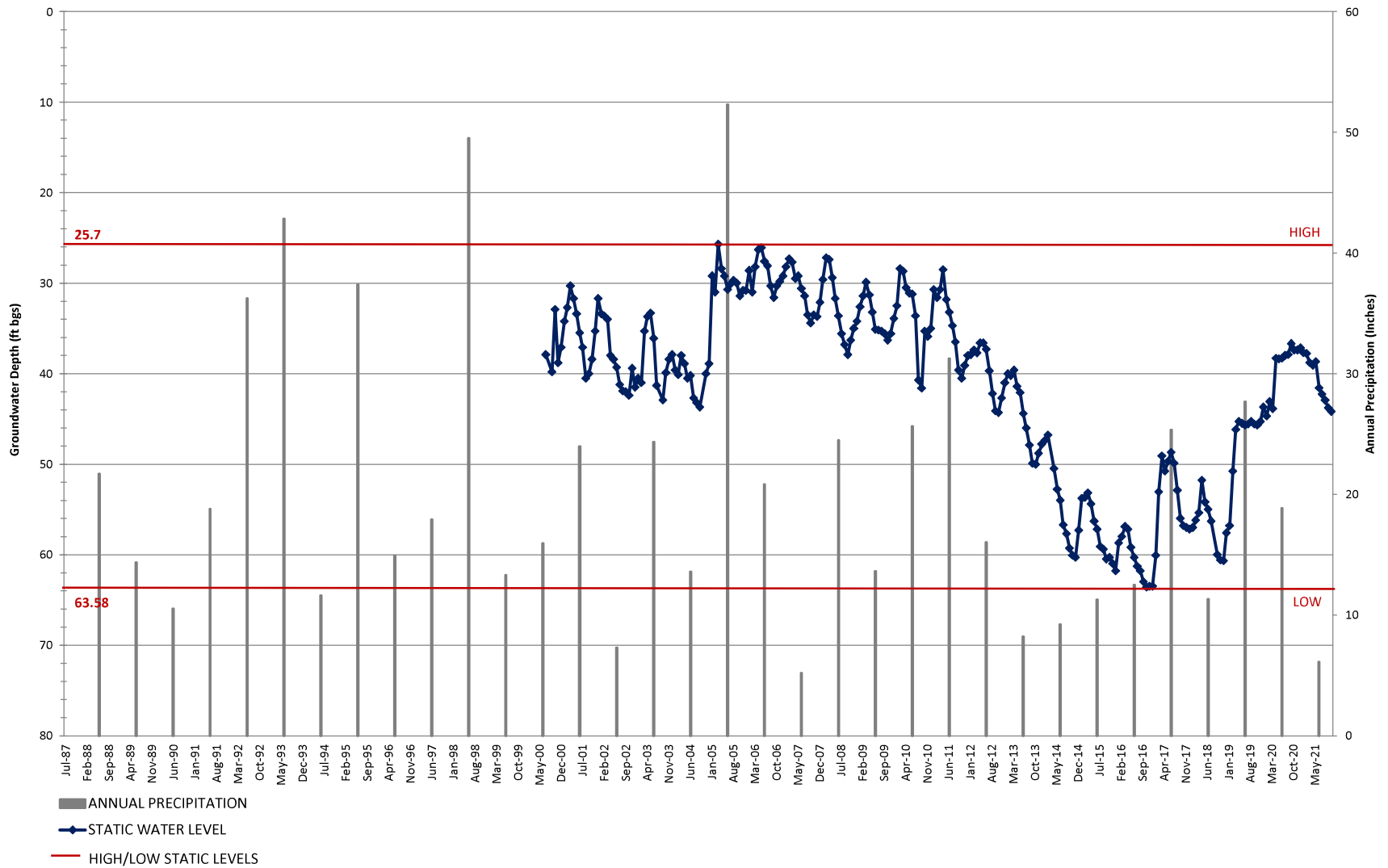
SCV WATER WELL W10
 STATIC WATER LEVEL VS PRECIPITATION



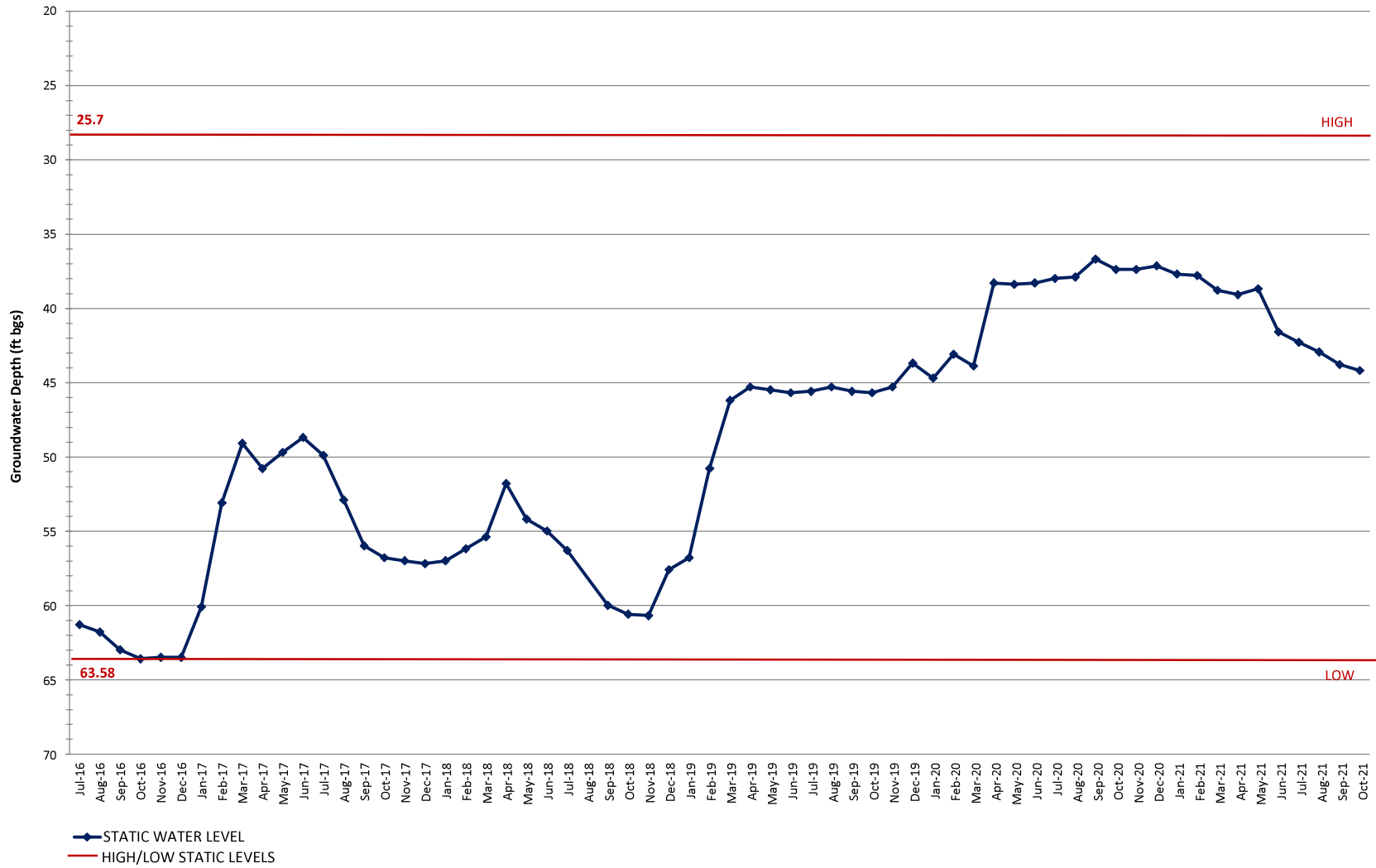
SCV WATER WELL W10
 STATIC WATER LEVEL



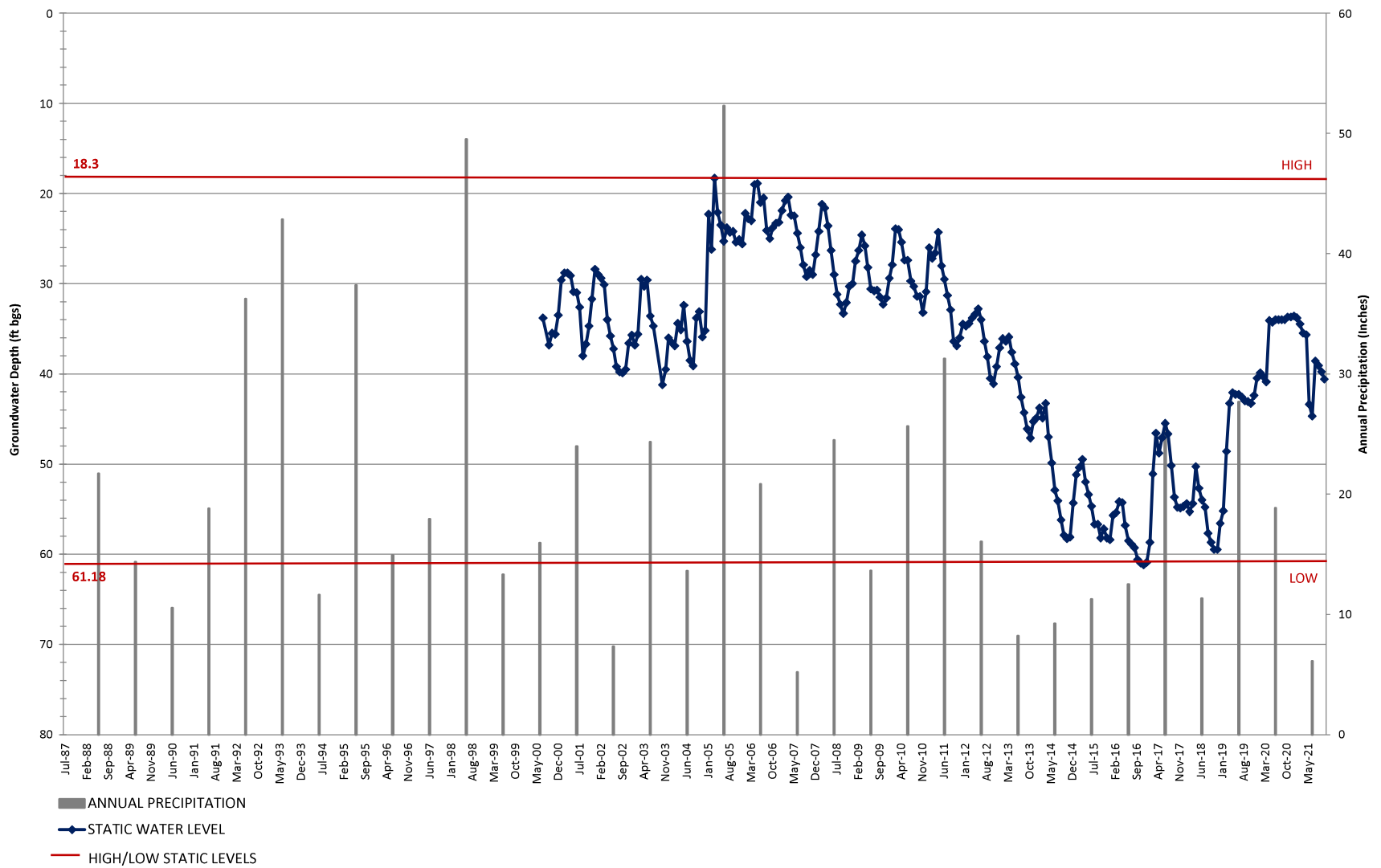
SCV WATER WELL S6
 STATIC WATER LEVEL VS PRECIPITATION



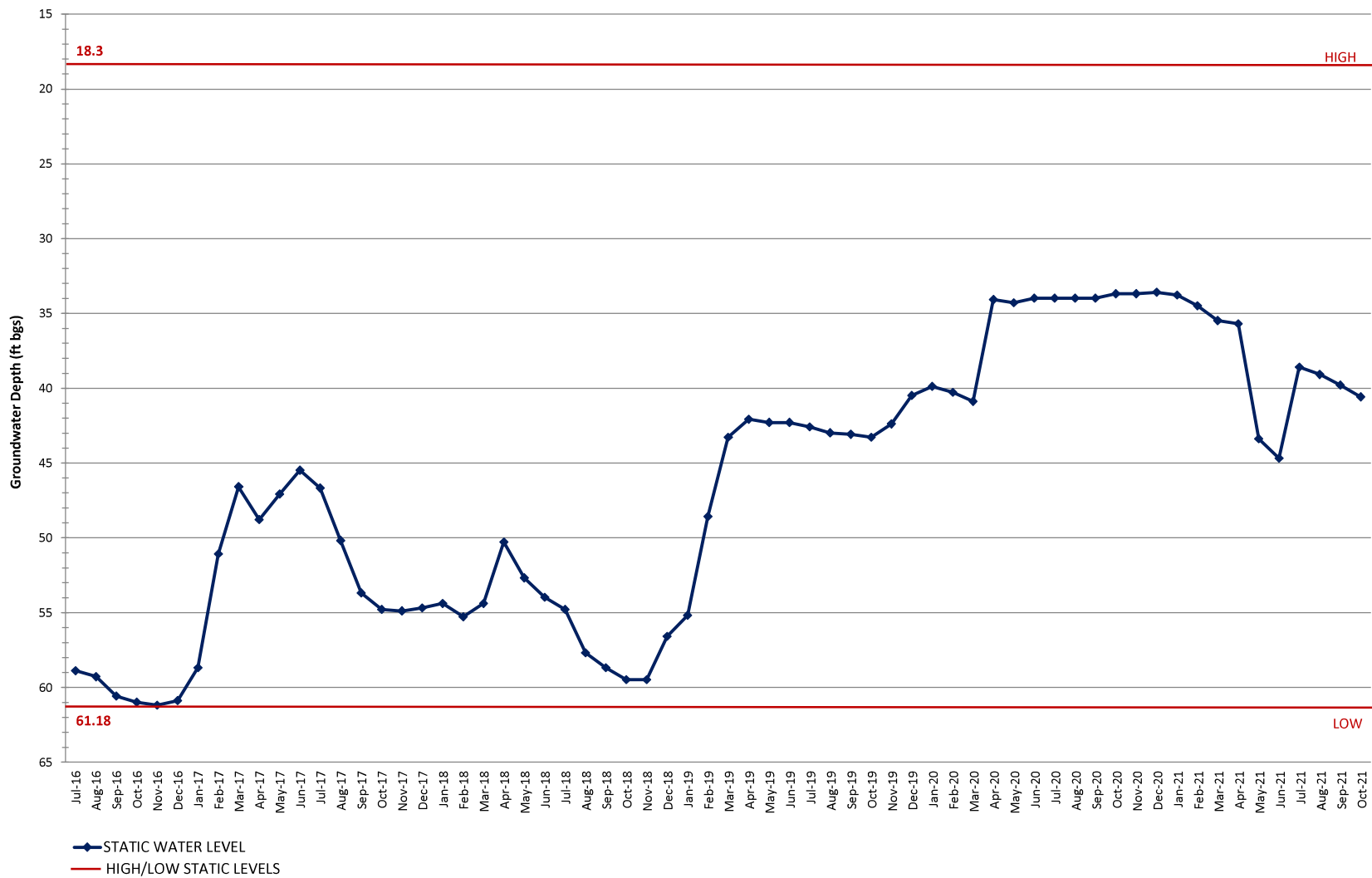
SCV WATER WELL S6
STATIC WATER LEVEL



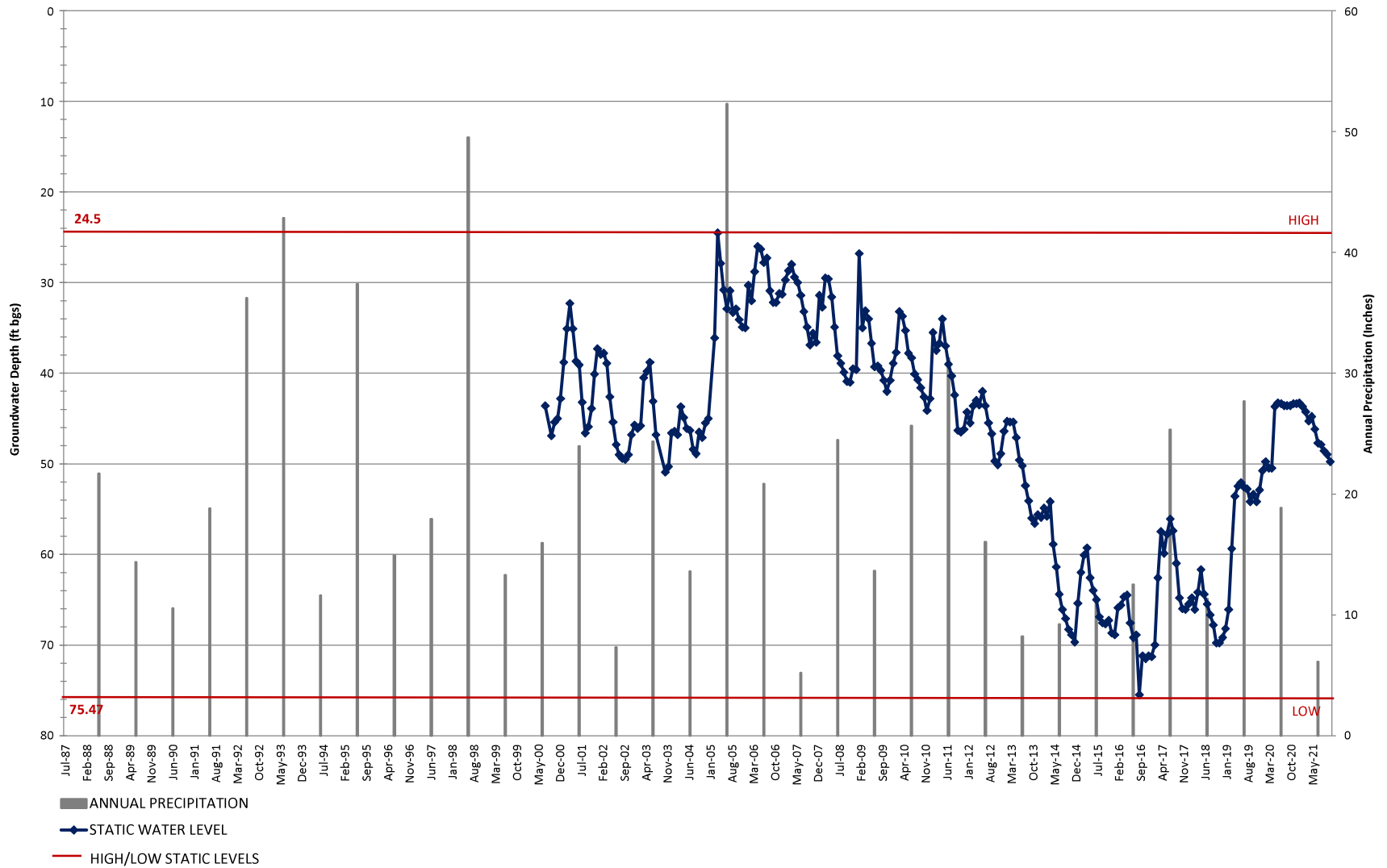
SCV WATER WELL S7
 STATIC WATER LEVEL VS PRECIPITATION



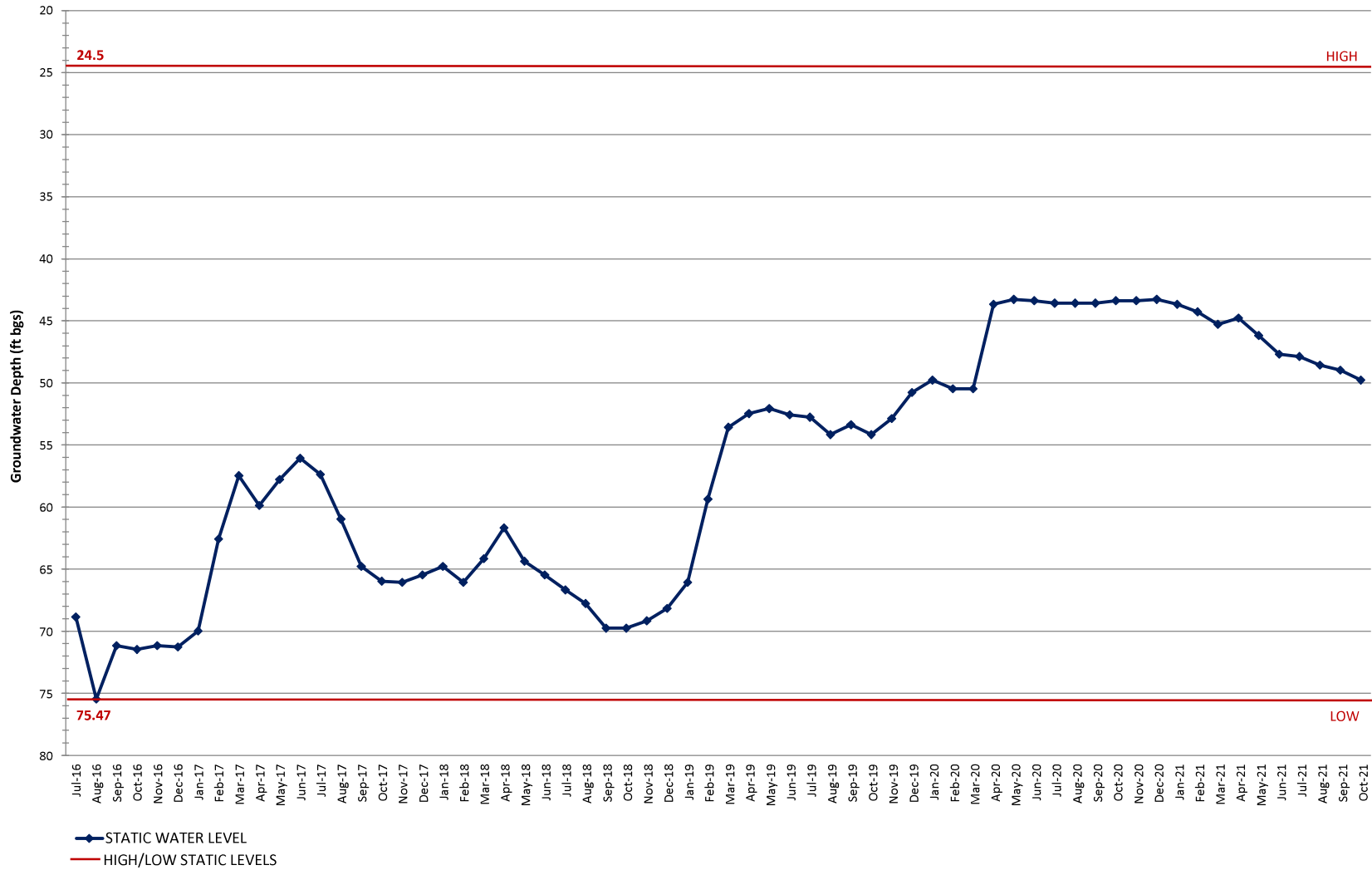
SCV WATER WELL S7
STATIC WATER LEVEL



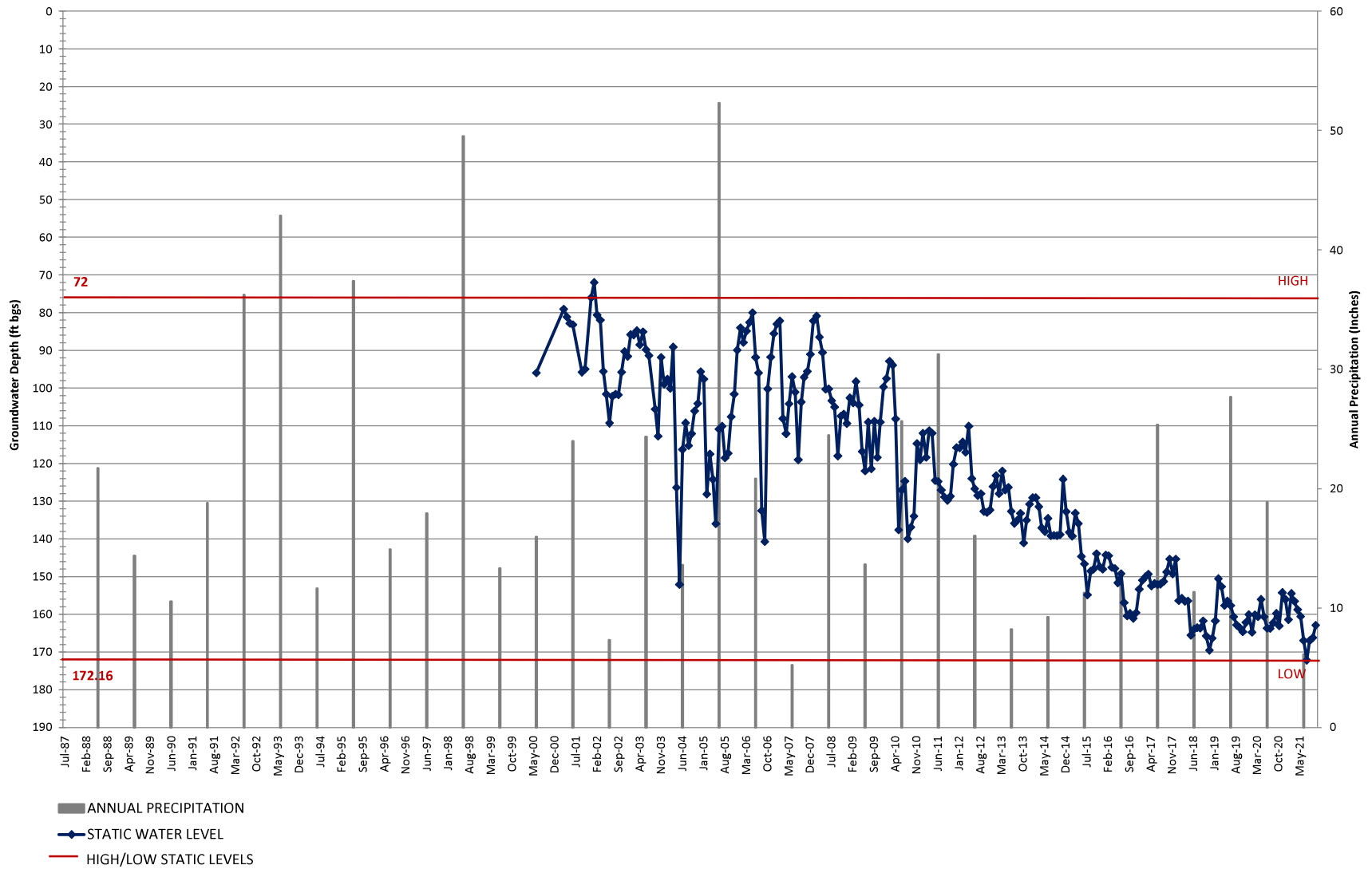
SCV WATER WELL S8
 STATIC WATER LEVEL VS PRECIPITATION



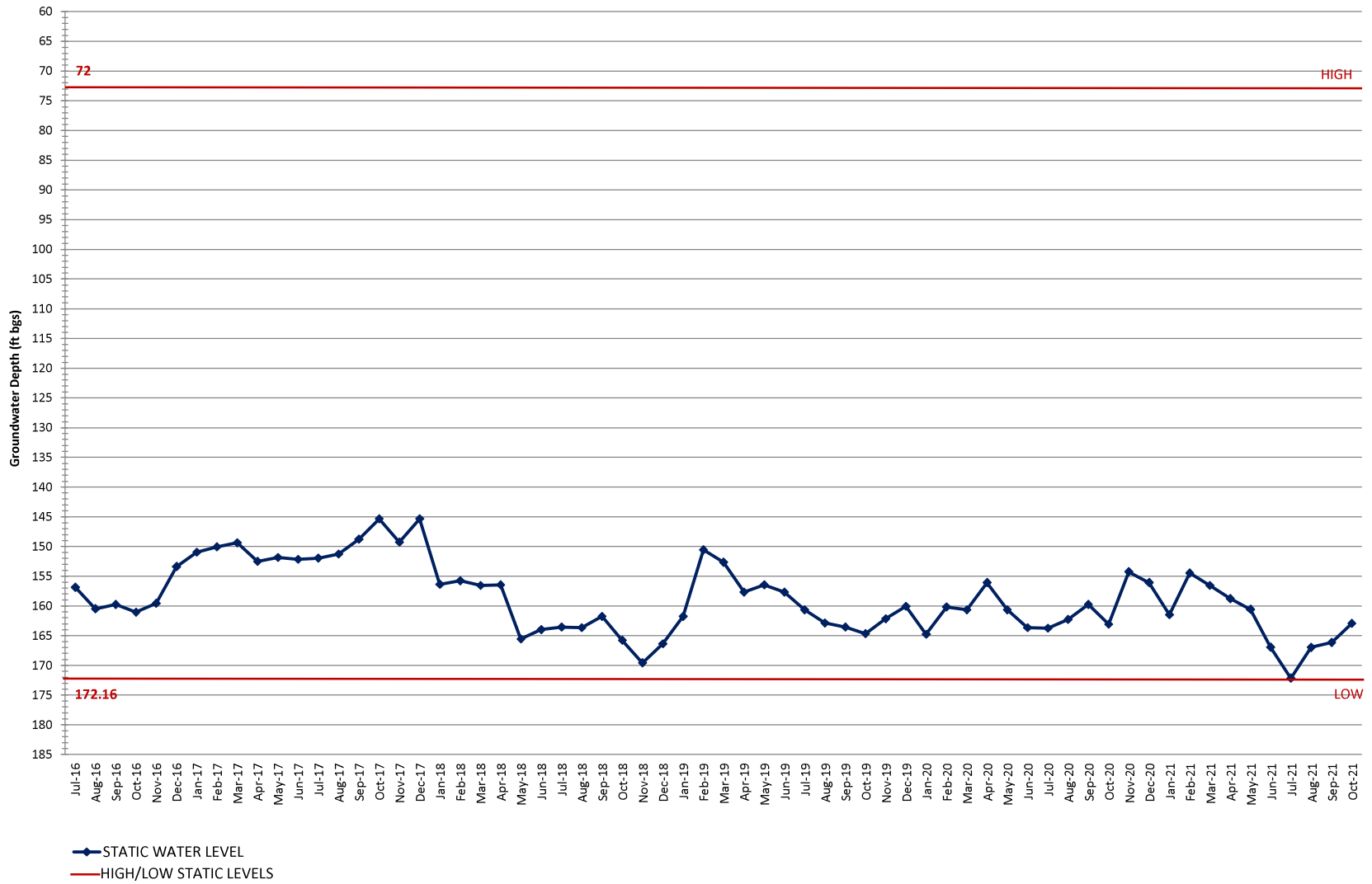
SCV WATER WELL S8
STATIC WATER LEVEL



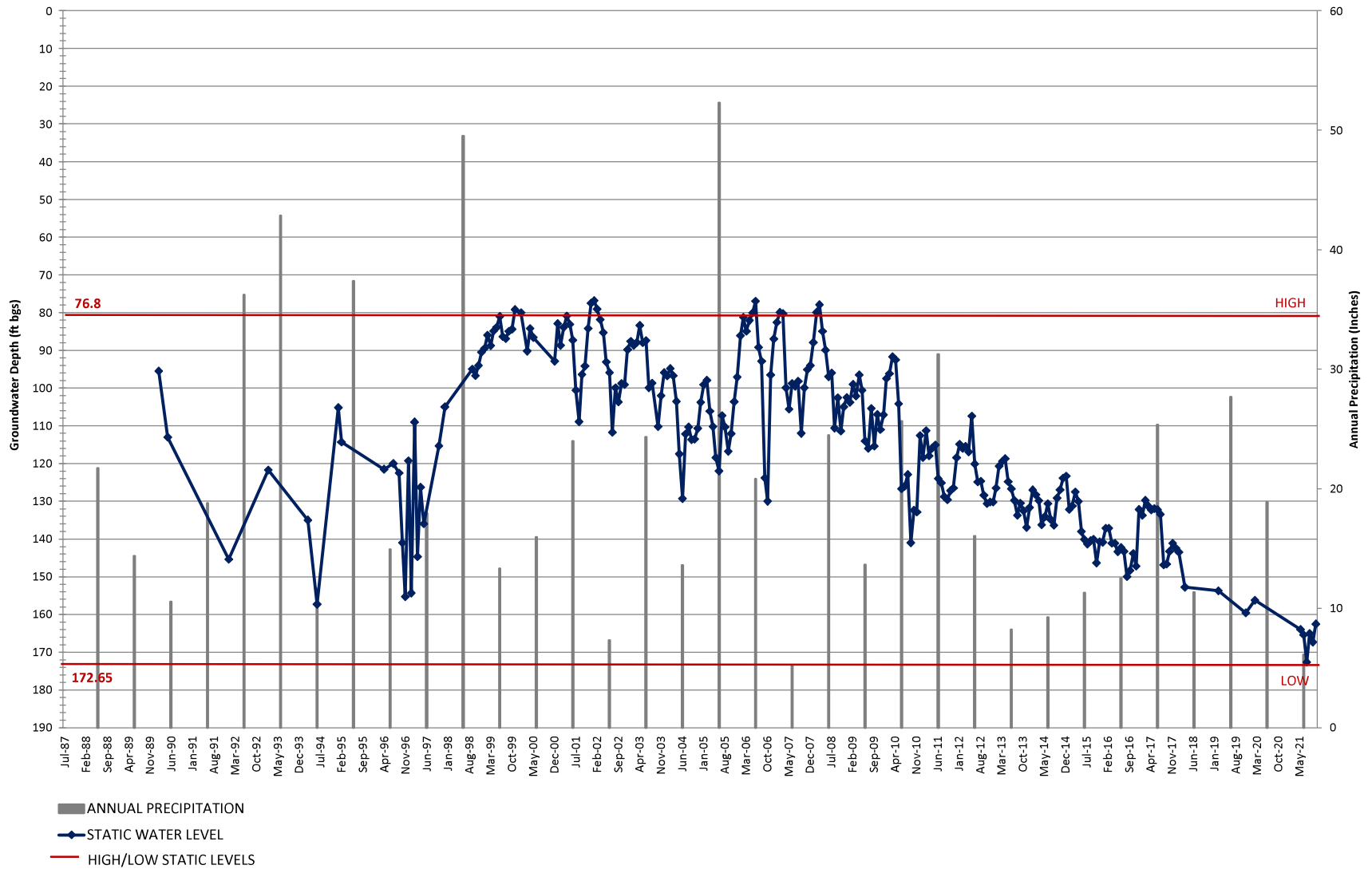
SCV WATER WELL 205
 STATIC WATER LEVEL VS PRECIPITATION



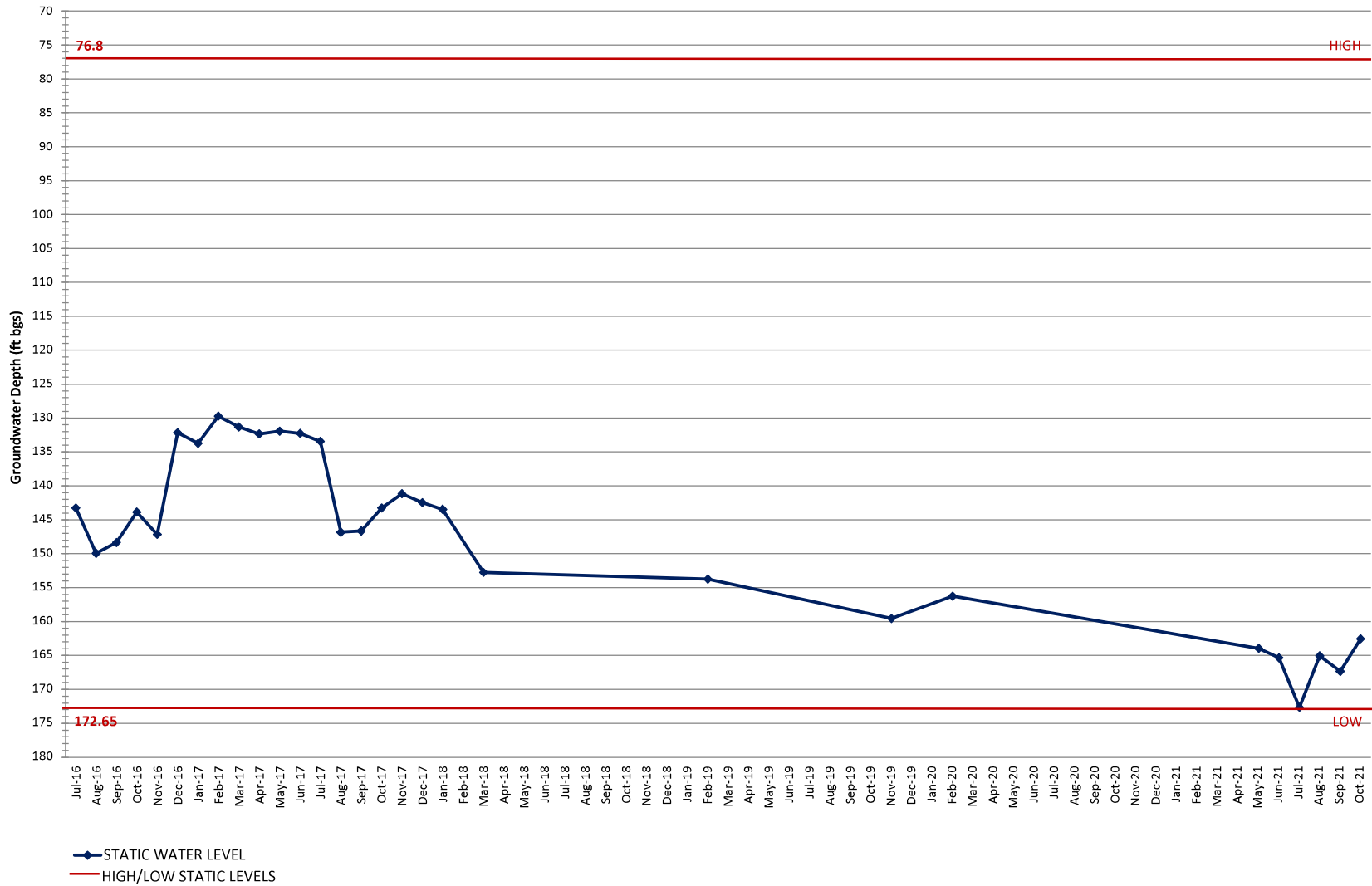
SCV WATER WELL 205
 STATIC WATER LEVEL



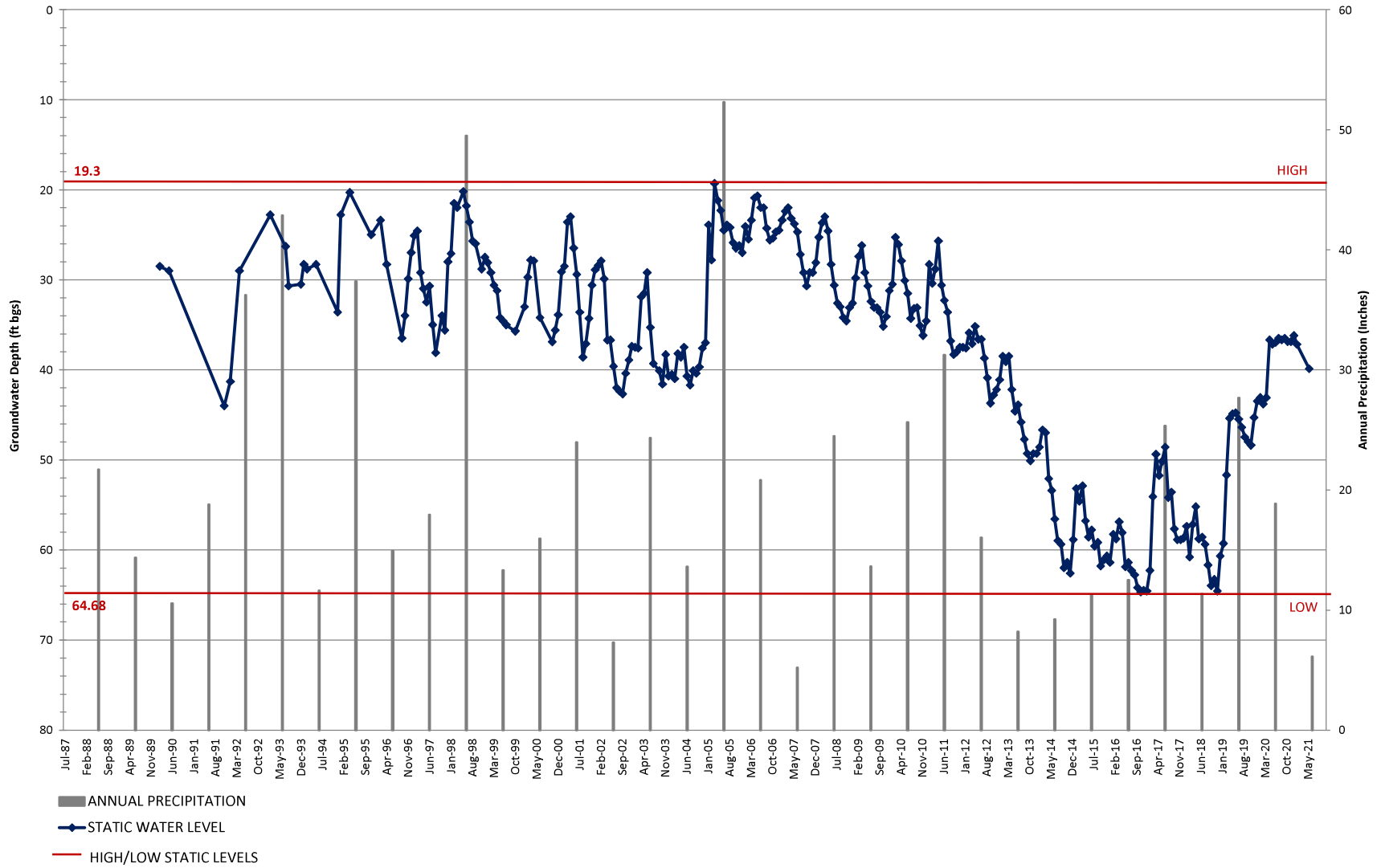
SCV WATER WELL 201
 STATIC WATER LEVEL VS PRECIPITATION



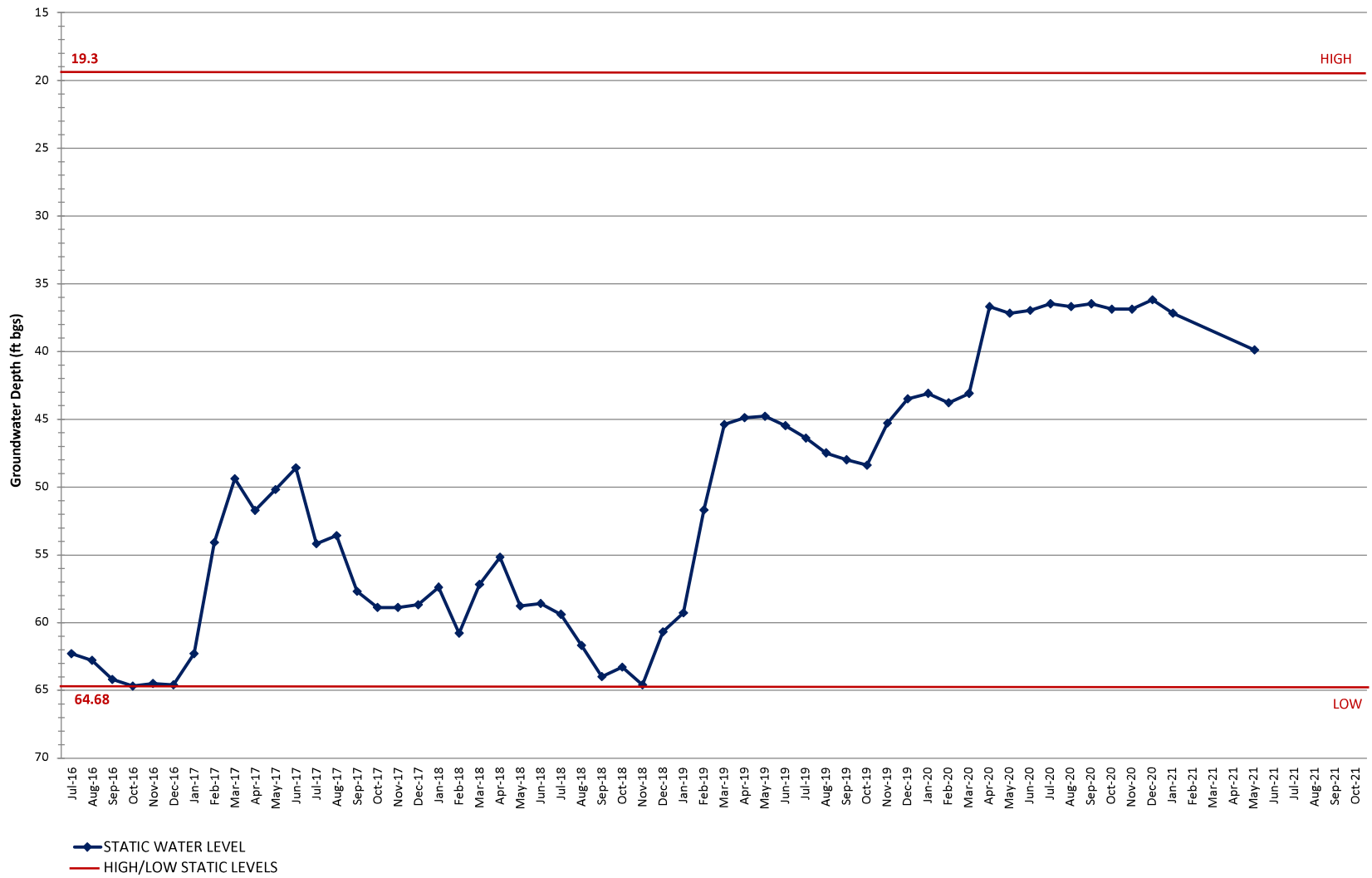
SCV WATER WELL 201
 STATIC WATER LEVEL



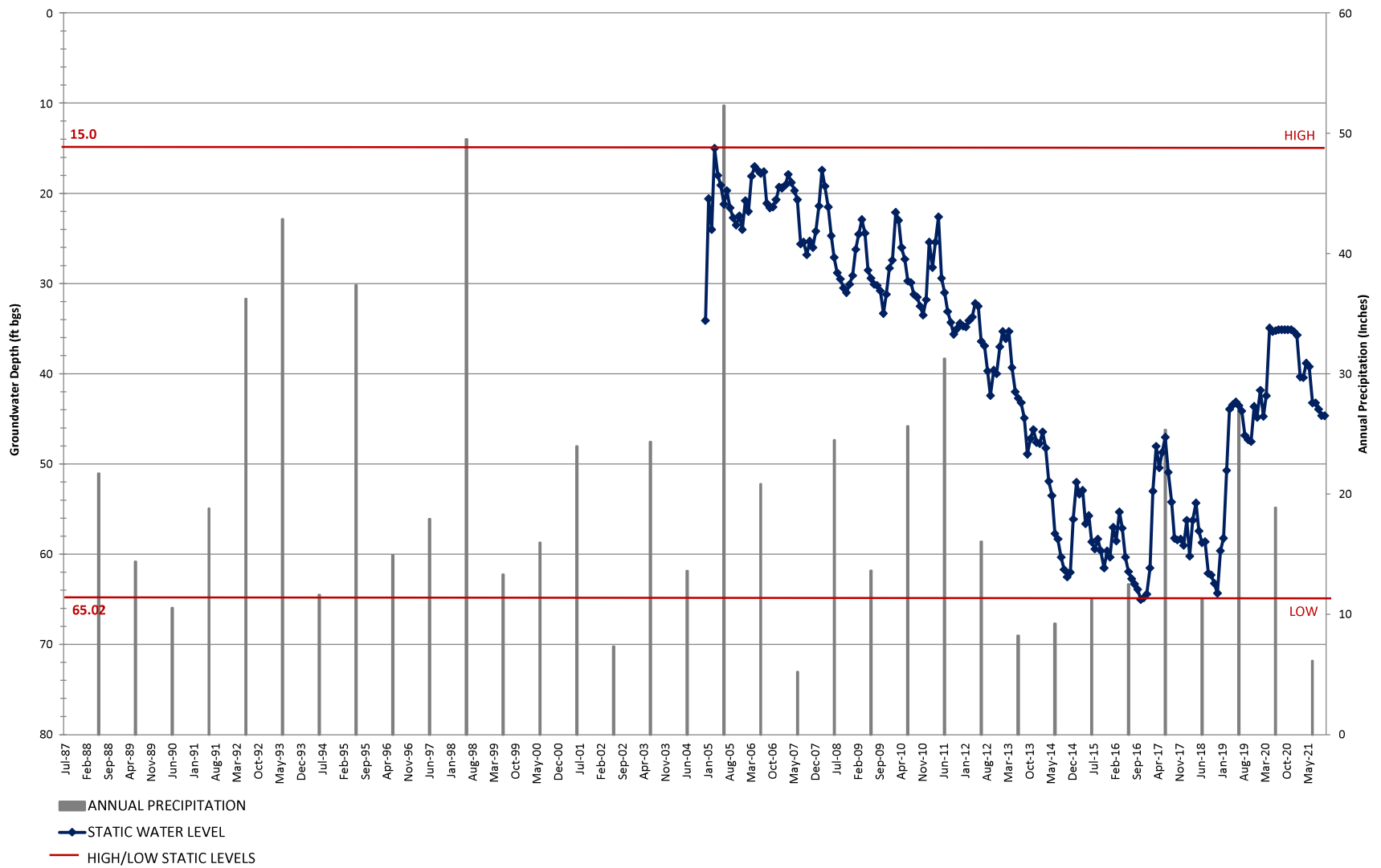
SCV WATER WELL N
 STATIC WATER LEVEL VS PRECIPITATION



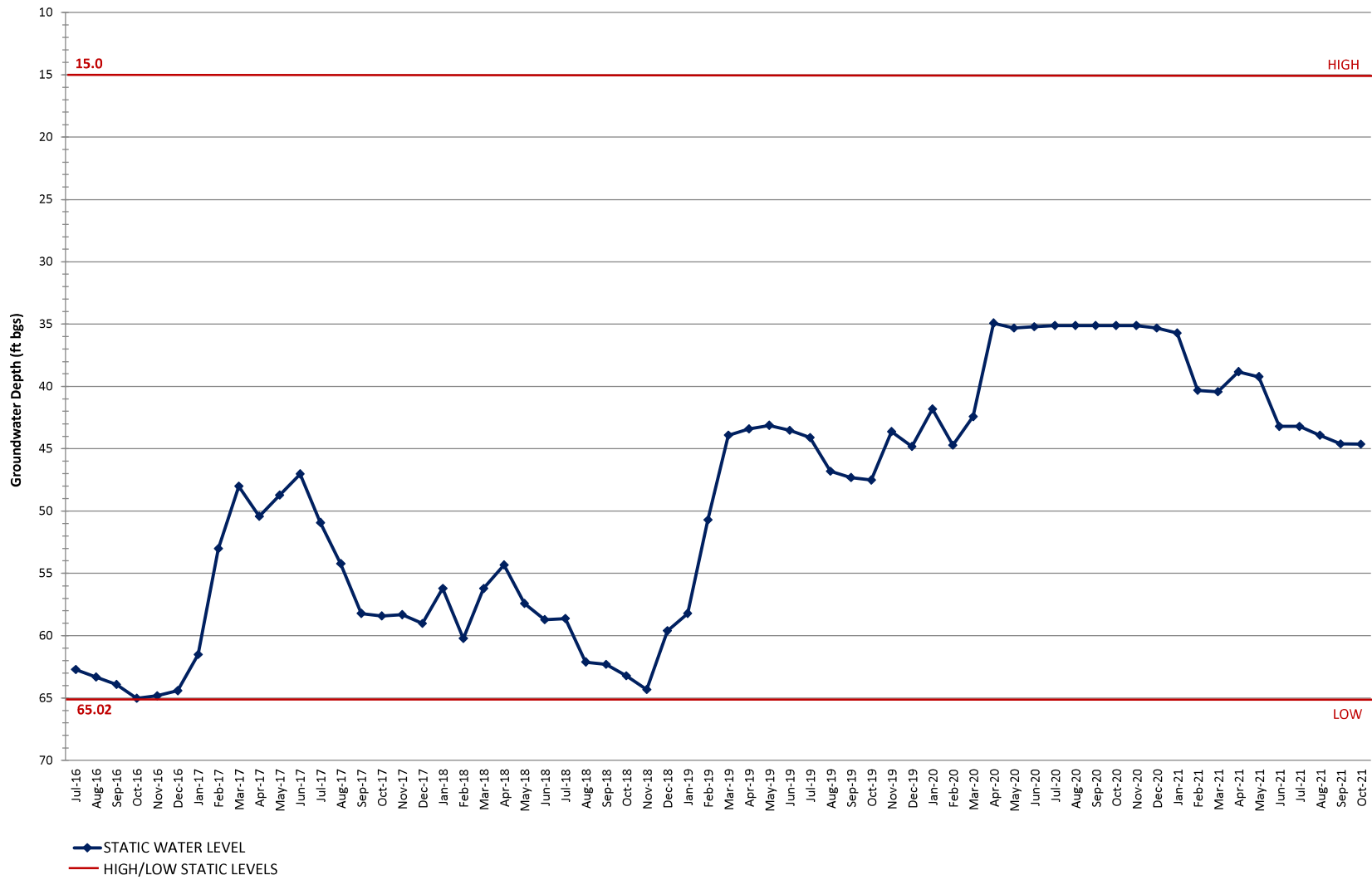
SCV WATER WELL N
STATIC WATER LEVEL



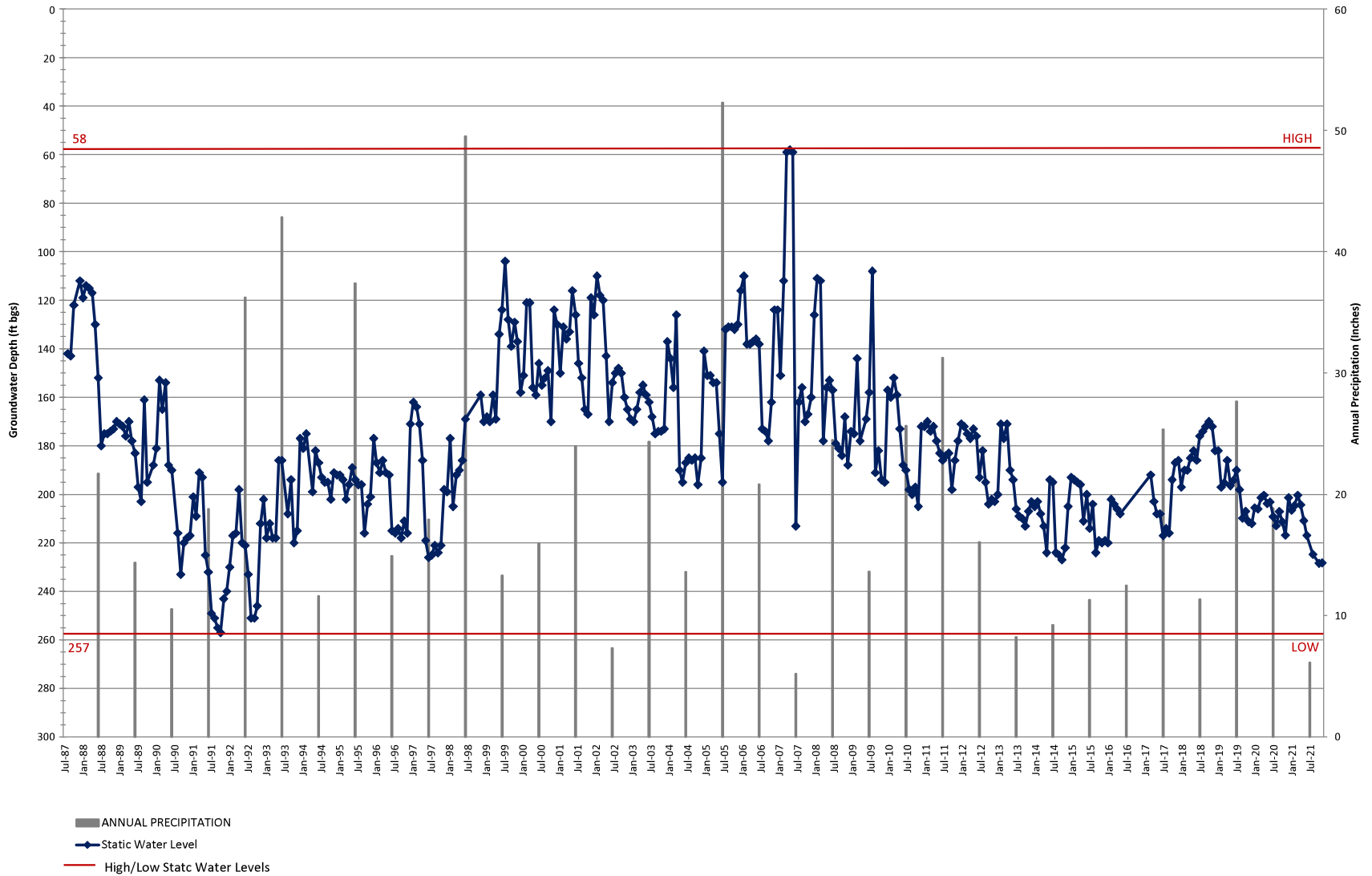
SCV WATER WELL N7
 STATIC WATER LEVEL VS PRECIPITATION



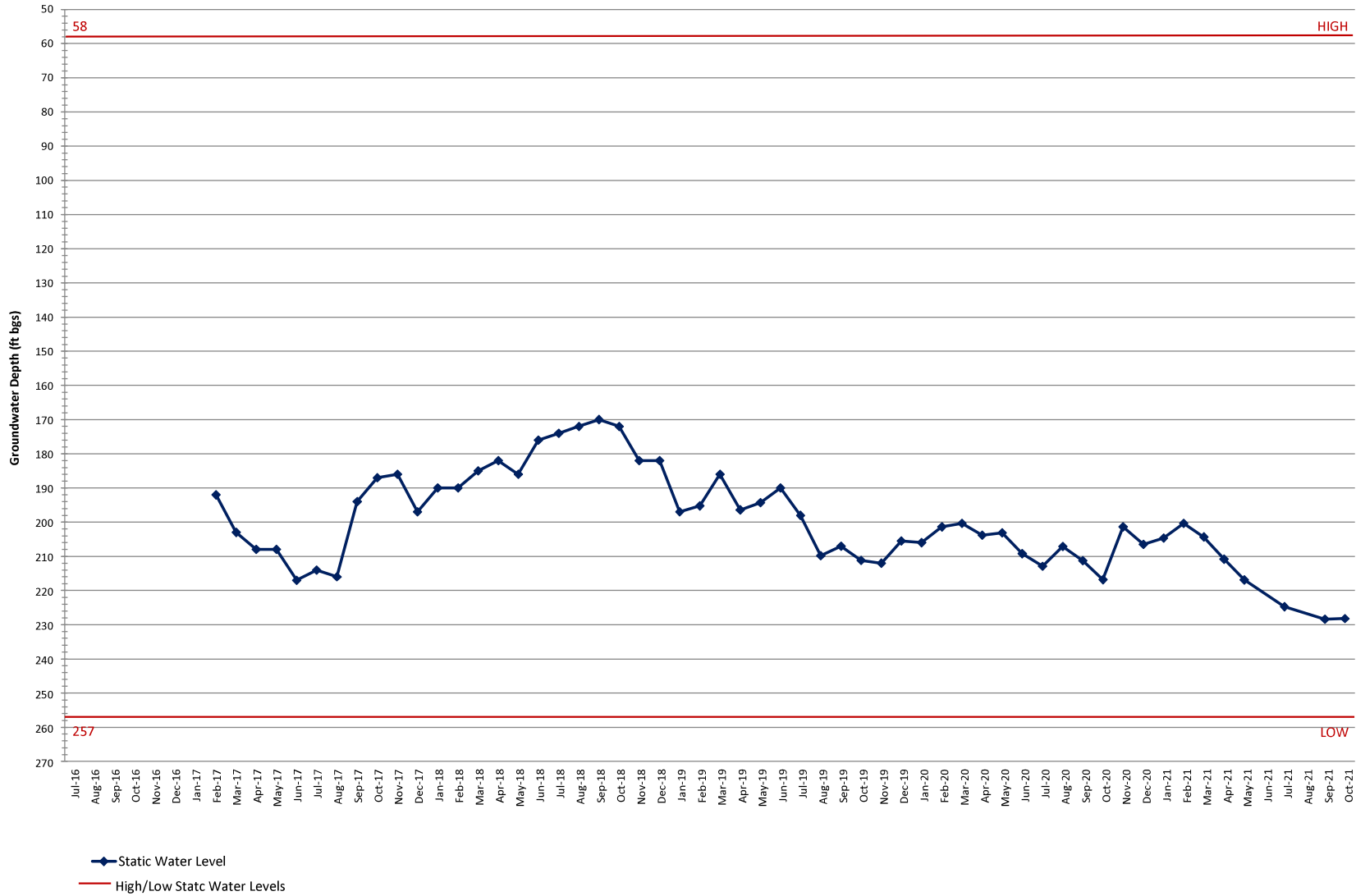
SCV WATER WELL N7
 STATIC WATER LEVEL



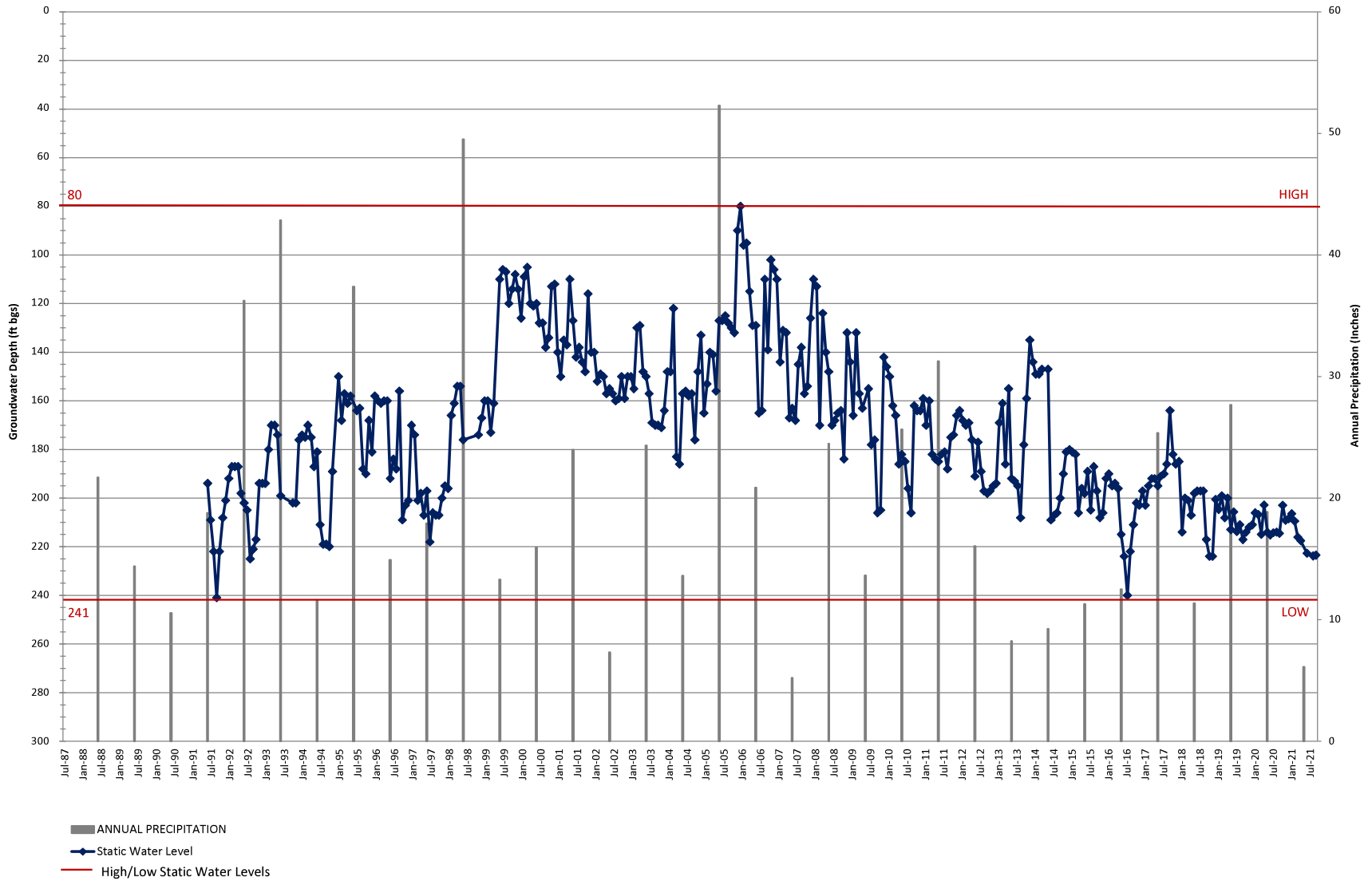
SCV WATER WELL N12
 STATIC WATER LEVEL VS PRECIPITATION



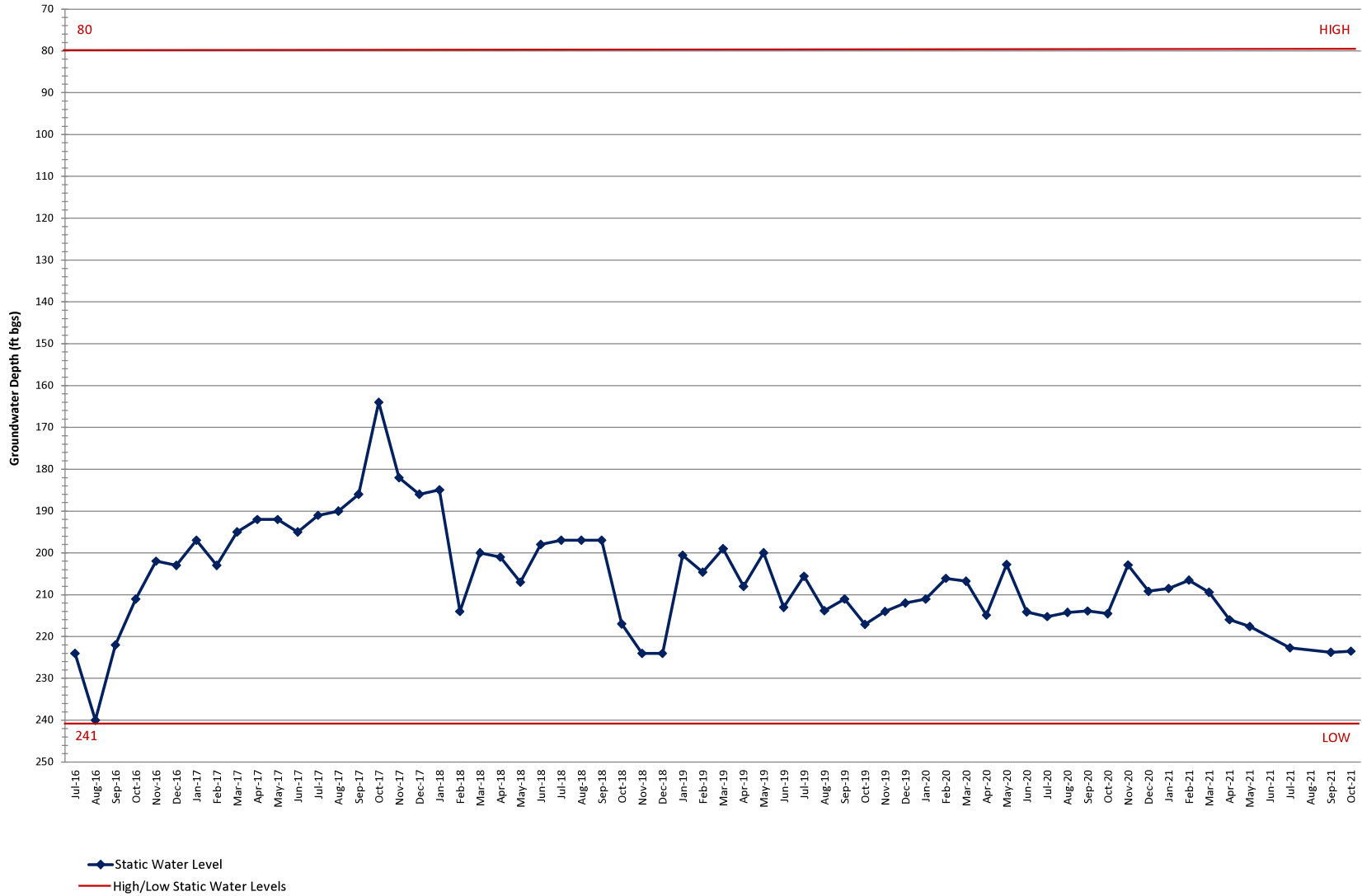
SCV WATER WELL N12
 STATIC WATER LEVEL



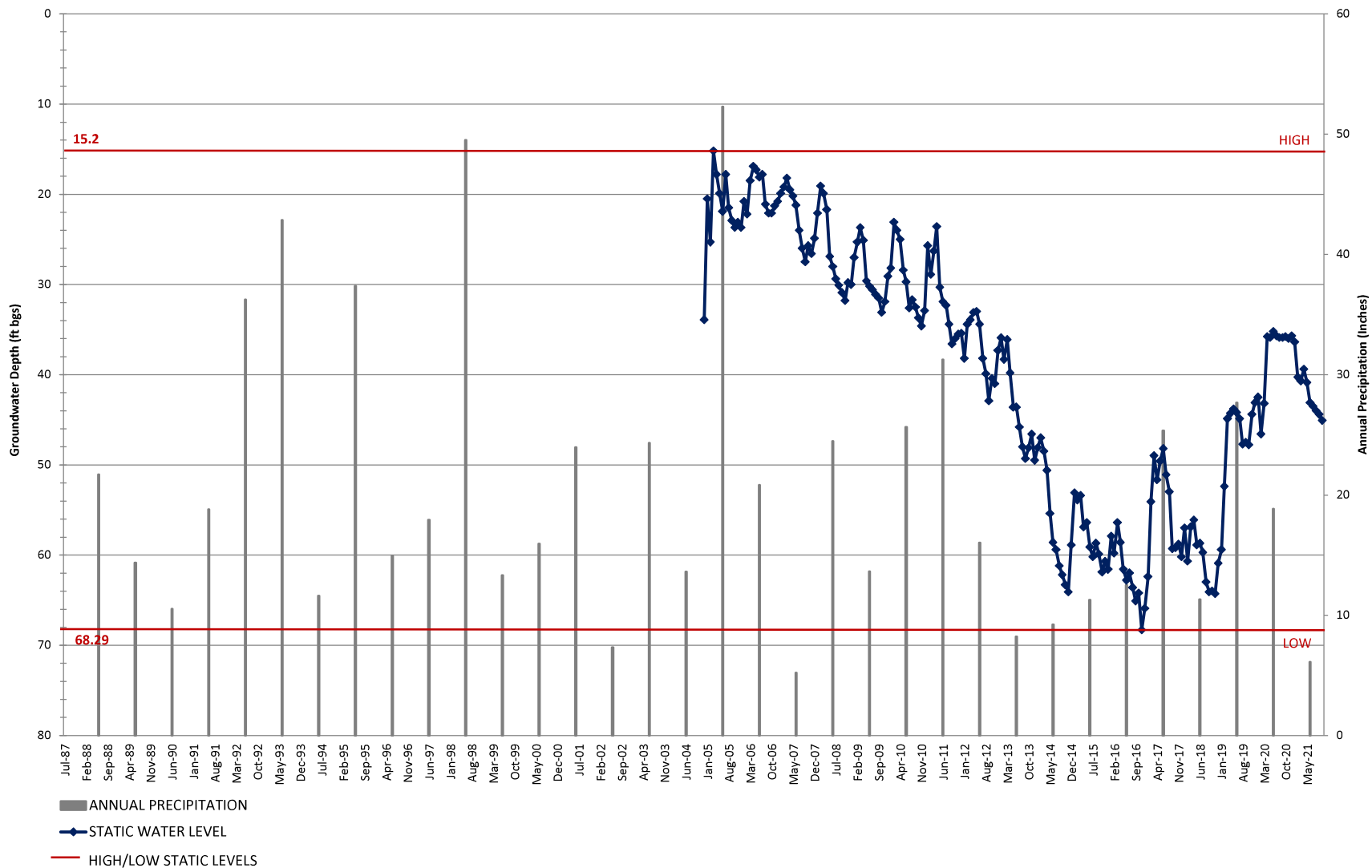
SCV WATER WELL N13
 STATIC WATER LEVEL VS PRECIPITATION



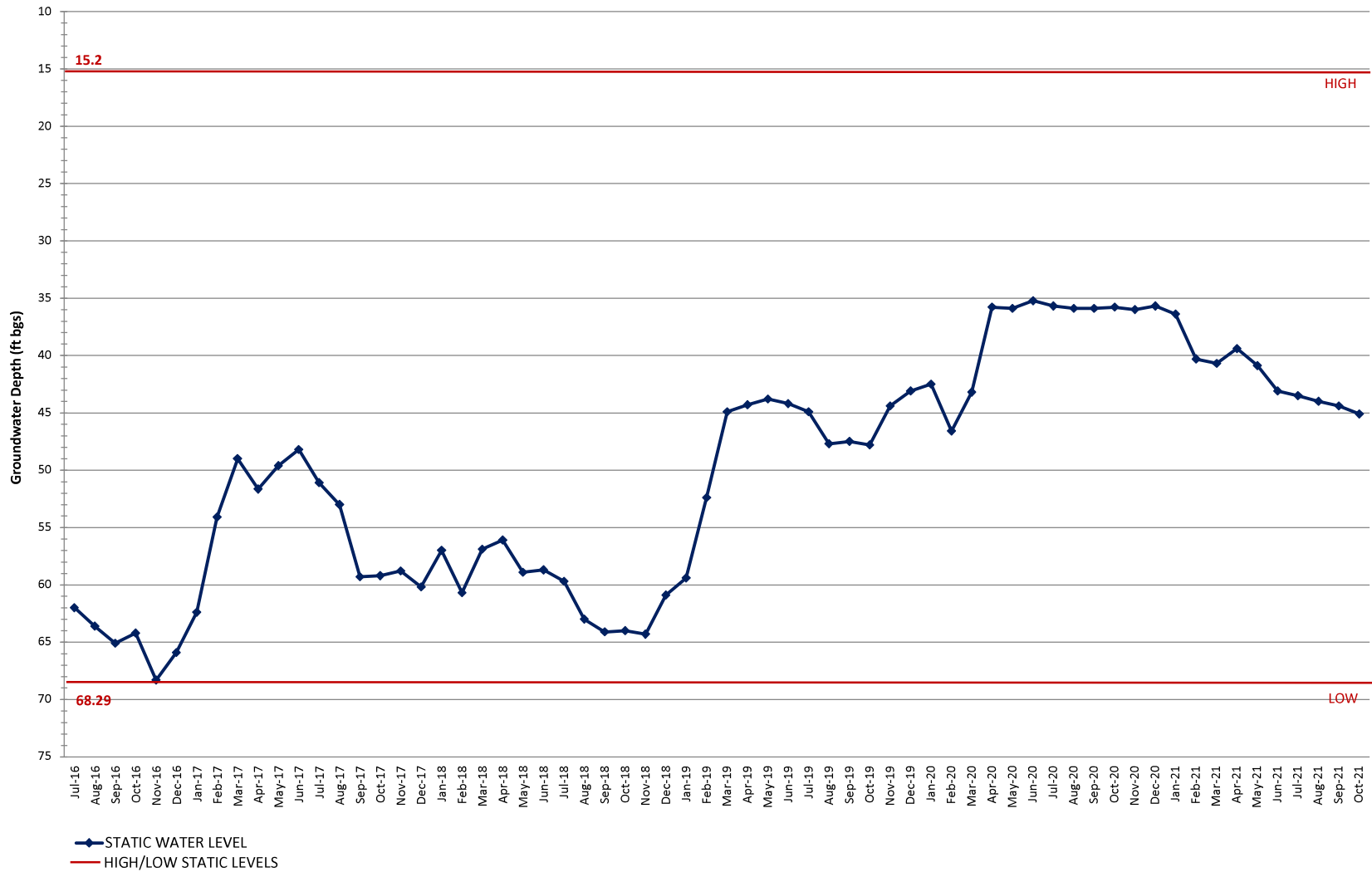
SCV WATER WELL N13
 STATIC WATER LEVEL



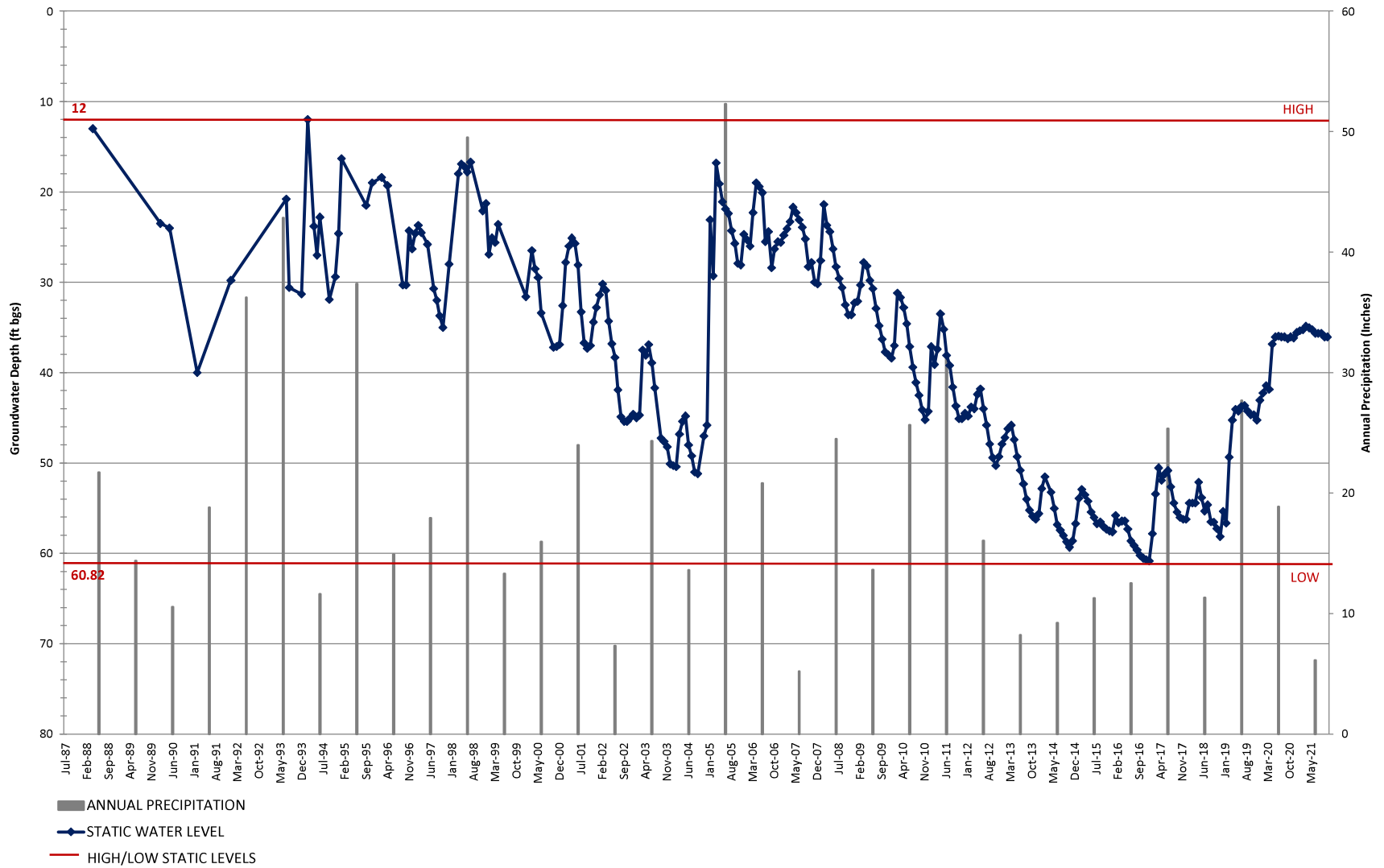
SCV WATER WELL N8
 STATIC WATER LEVEL VS PRECIPITATION



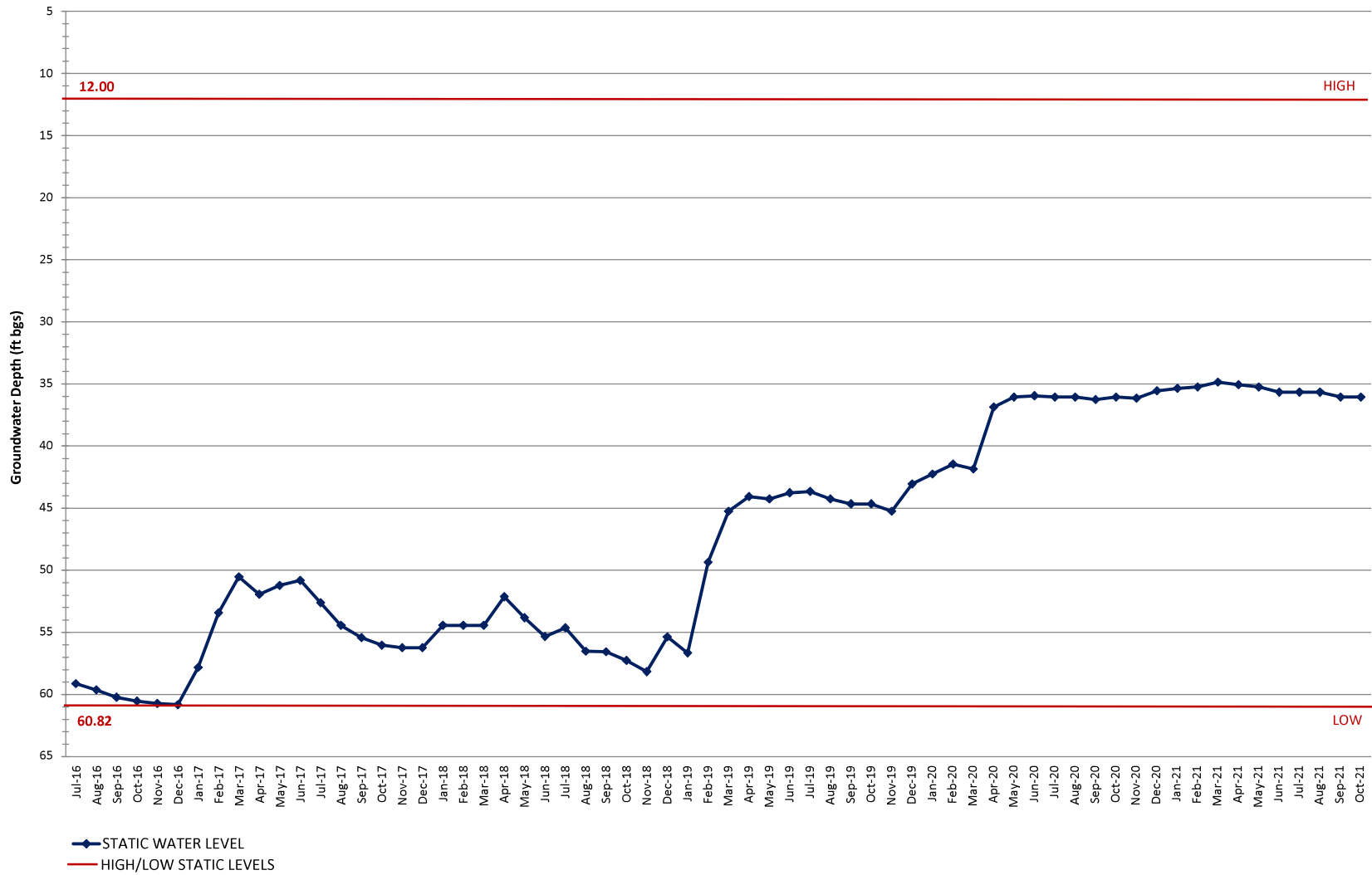
SCV WATER WELL N8
STATIC WATER LEVEL



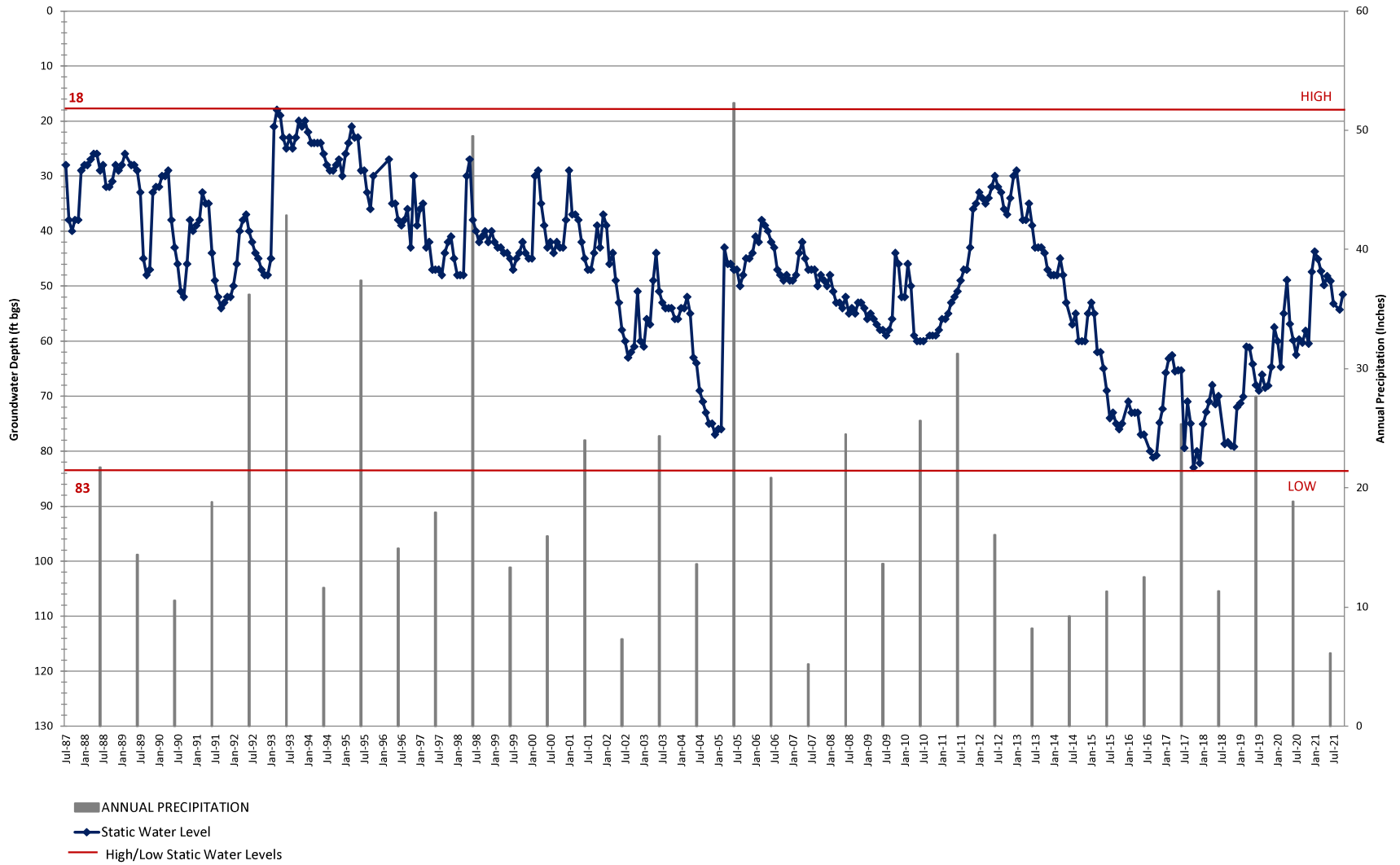
SCV WATER WELL Q2
 STATIC WATER LEVEL VS PRECIPITATION



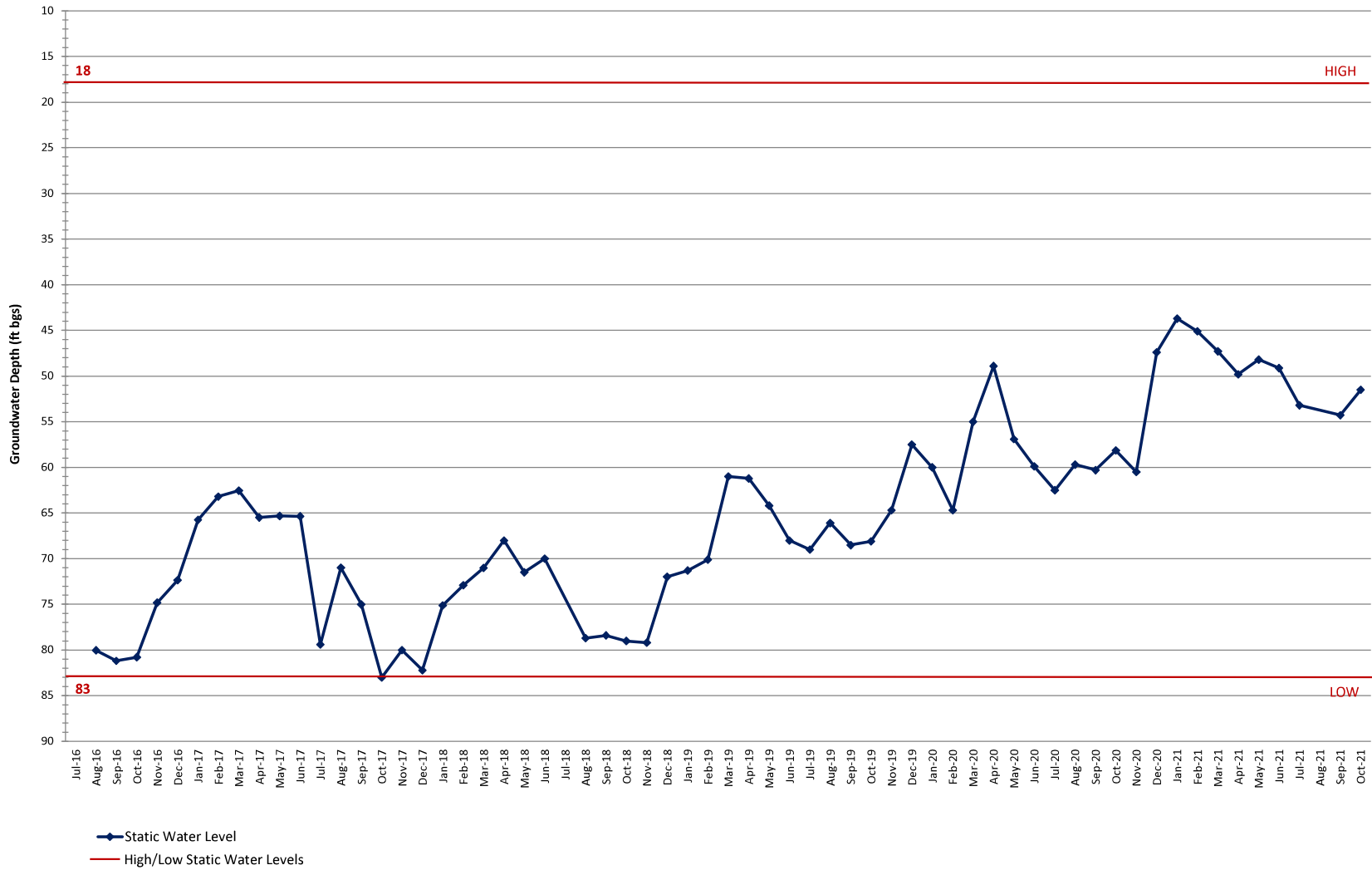
SCV WATER WELL Q2
STATIC WATER LEVEL



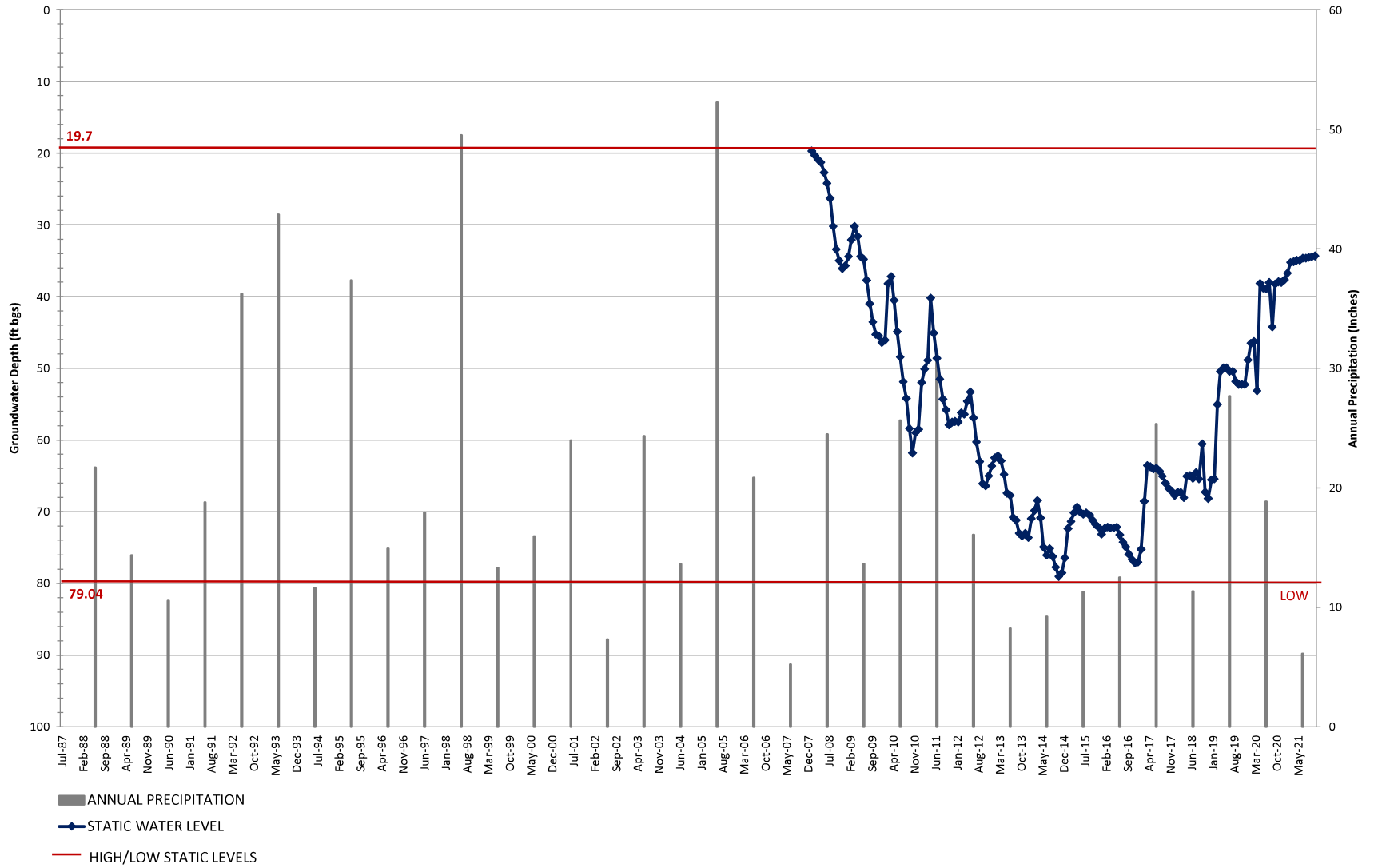
SCV WATER WELL GUIDA #14
STATIC WATER LEVEL VS PRECIPITATION



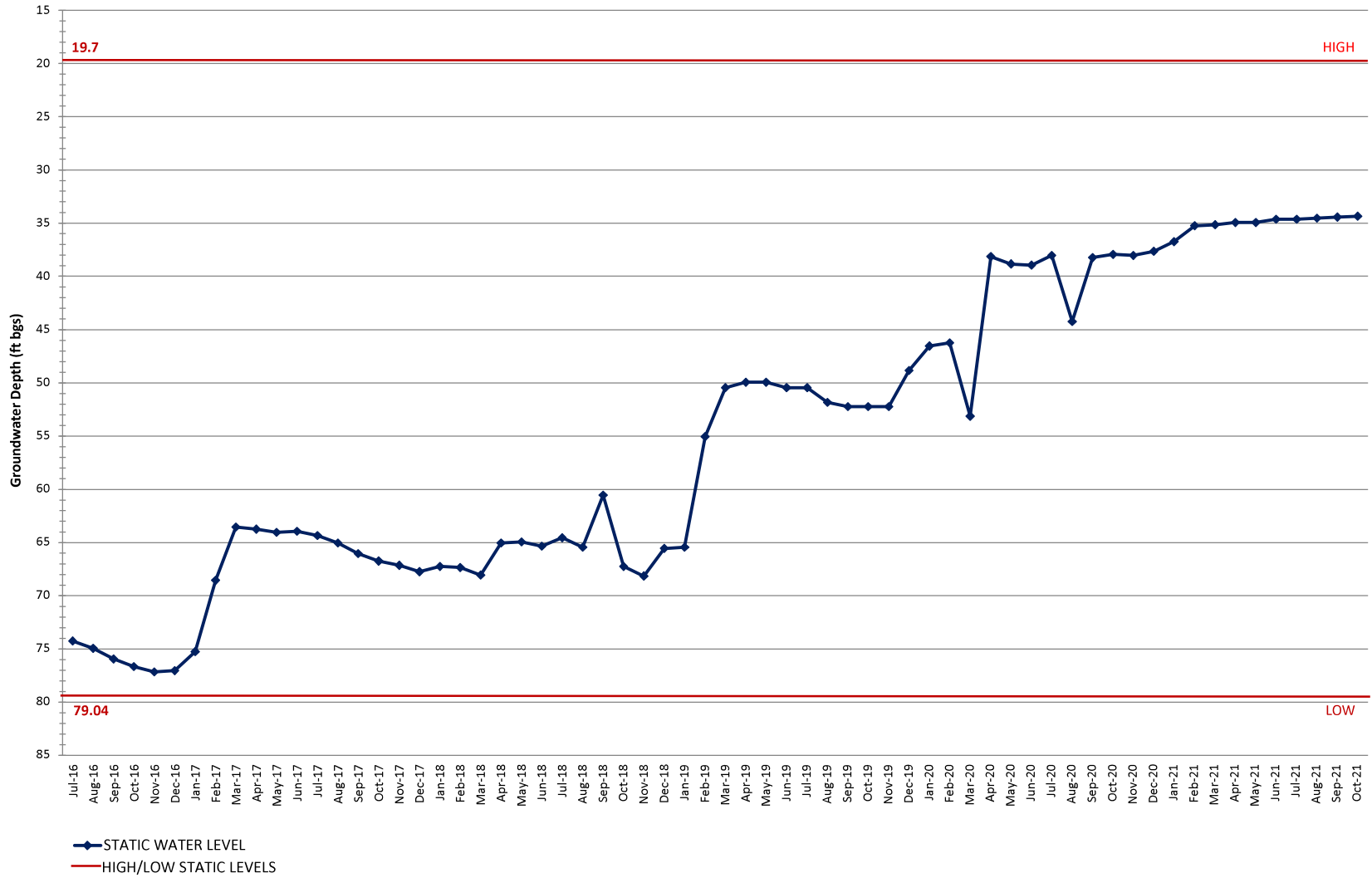
SCV WATER WELL GUIDA #14
 STATIC WATER LEVEL



SCV WATER WELL T7
 STATIC WATER LEVEL VS PRECIPITATION



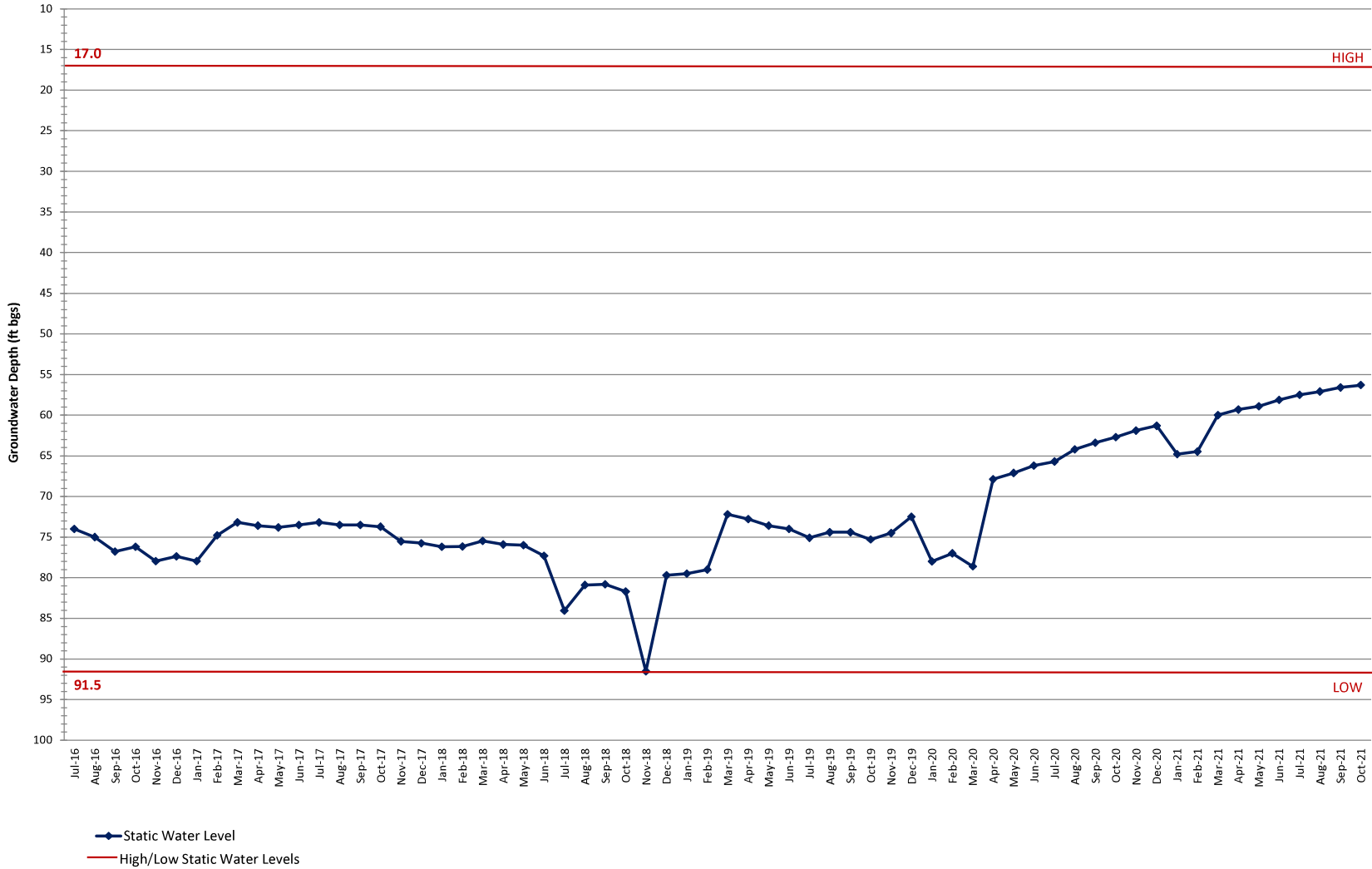
SCV WATER WELL T7
STATIC WATER LEVEL



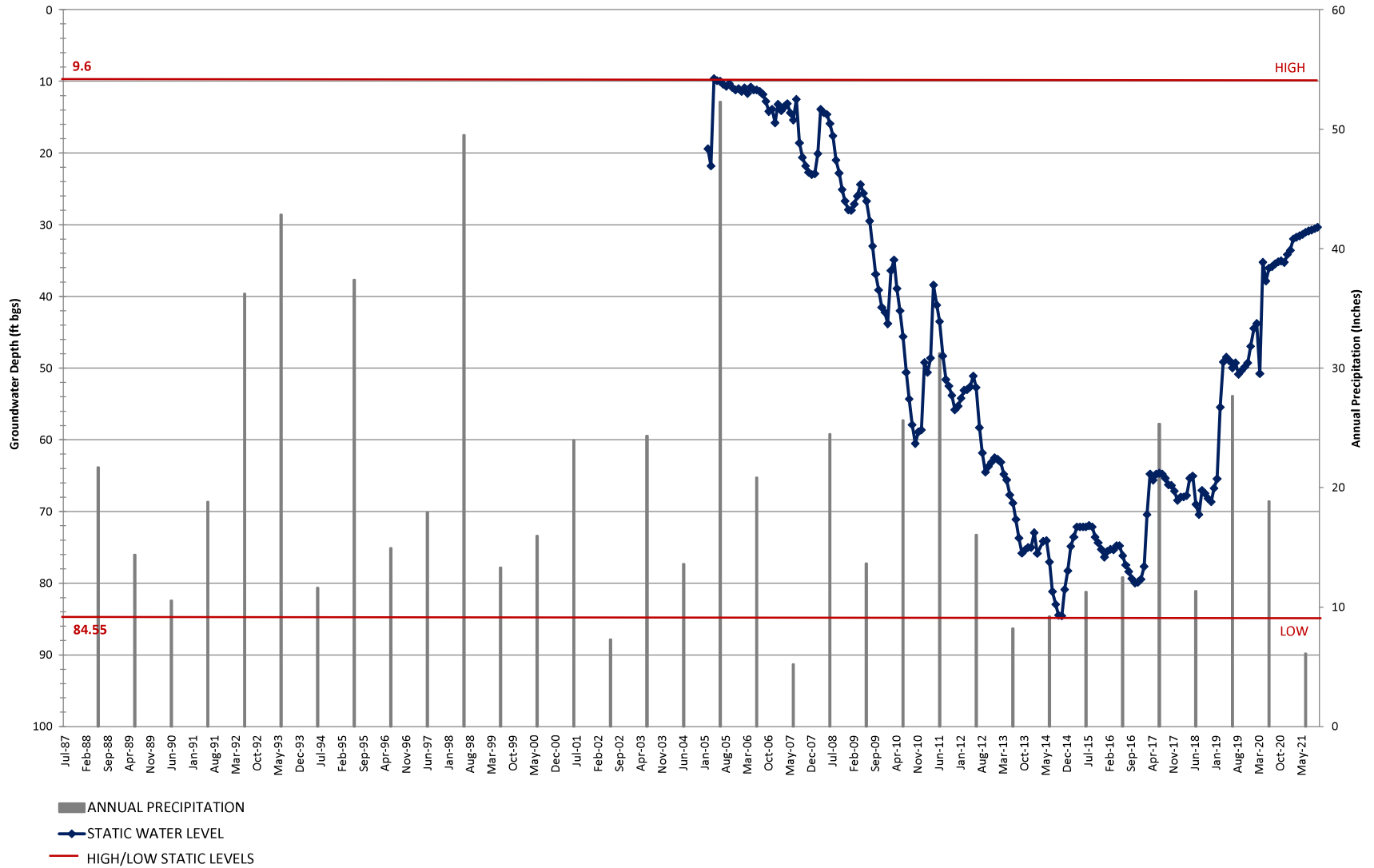
SCV WATER WELL CLARK #15
 STATIC WATER LEVEL VS PRECIPITATION



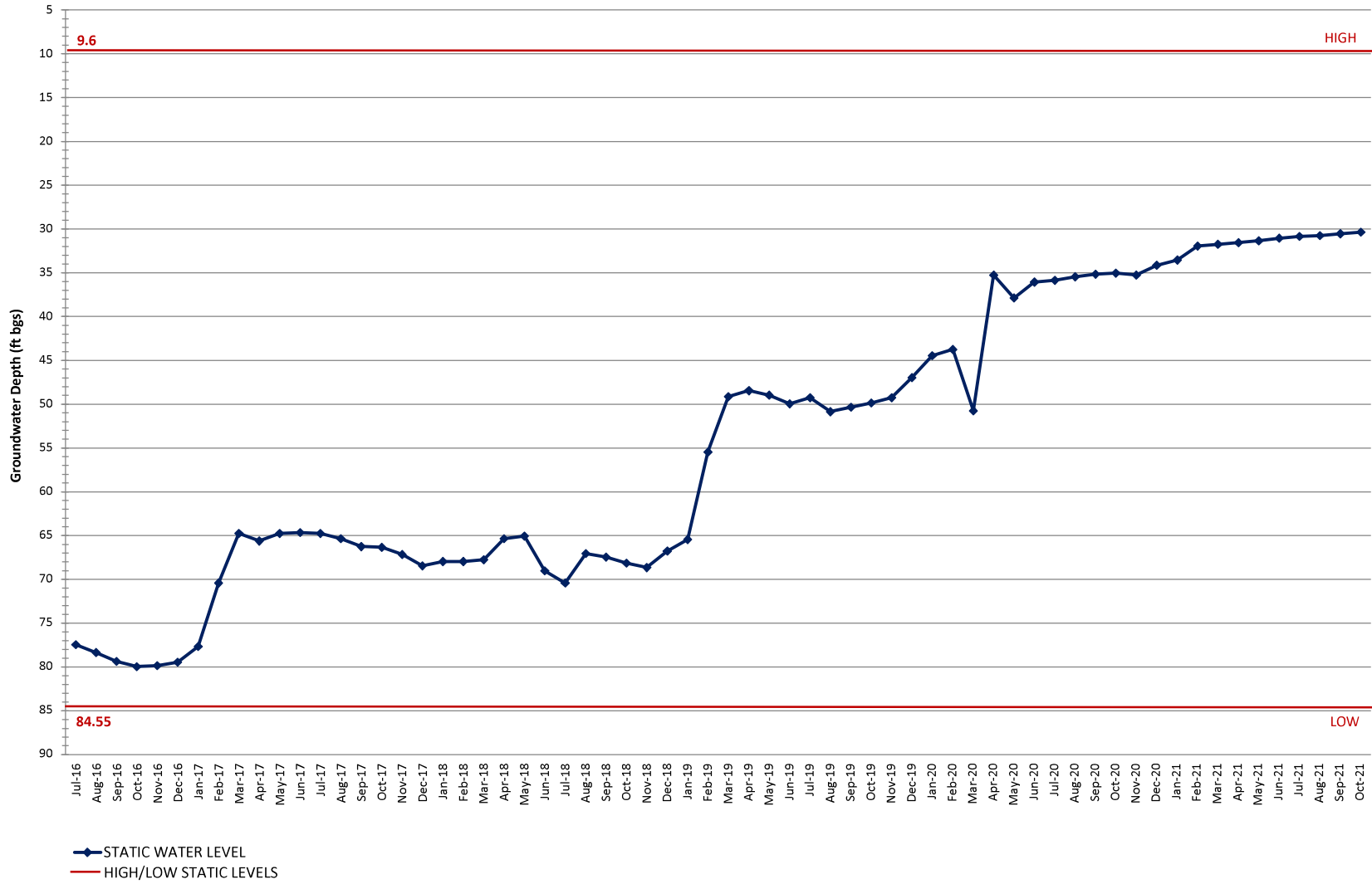
SCV WATER WELL CLARK #15
 STATIC WATER LEVEL



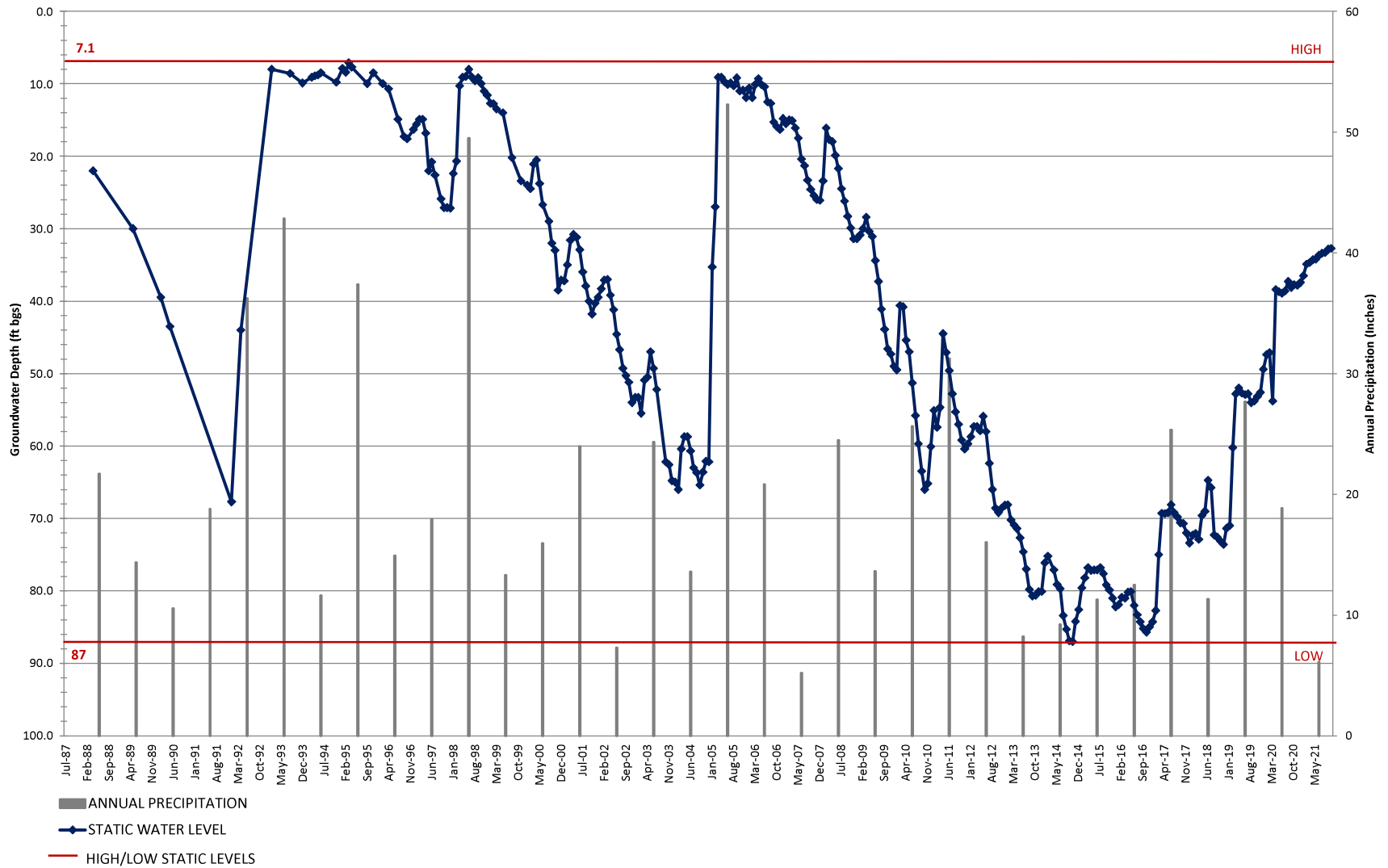
SCV WATER WELL U6
 STATIC WATER LEVEL VS PRECIPITATION



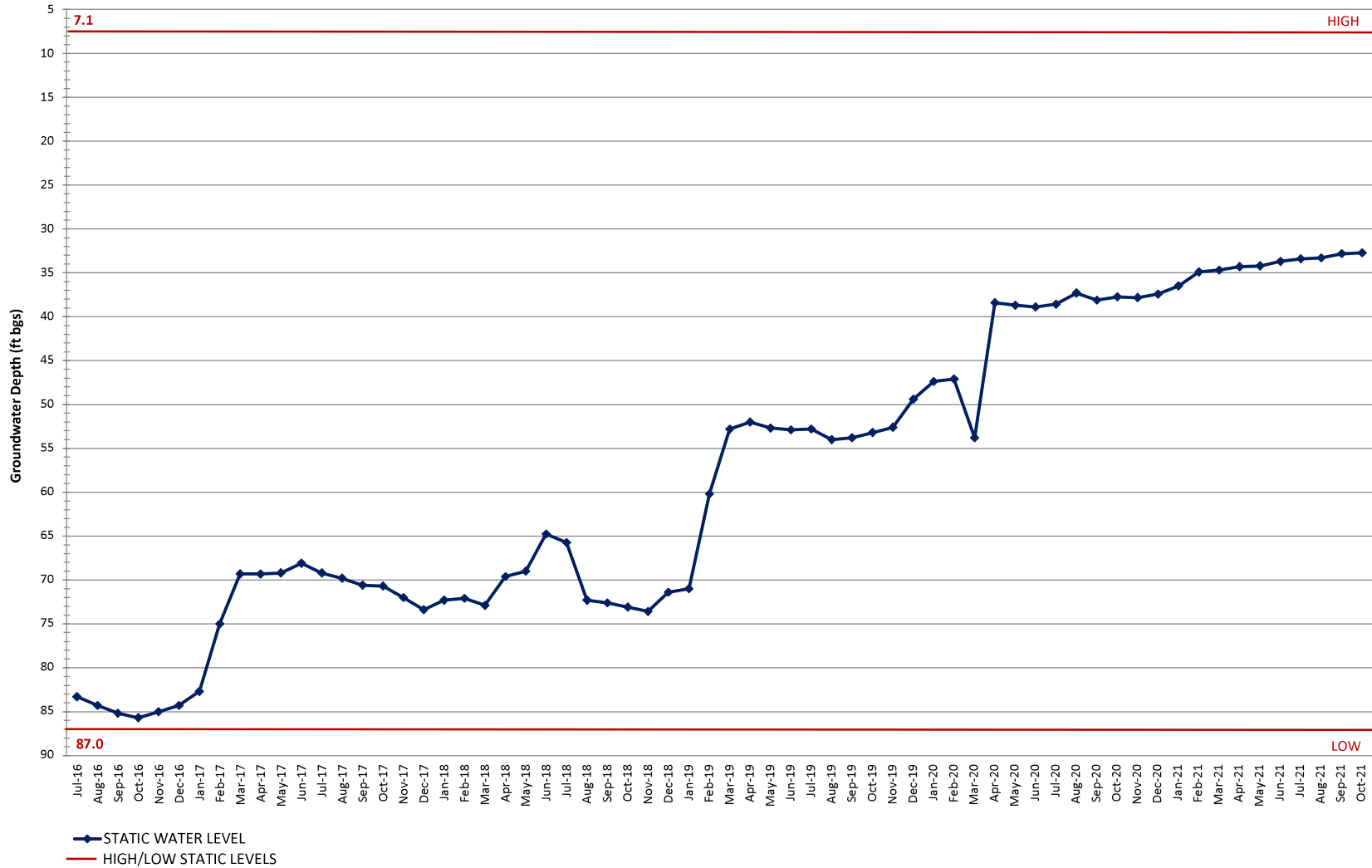
SCV WATER WELL U6
STATIC WATER LEVEL



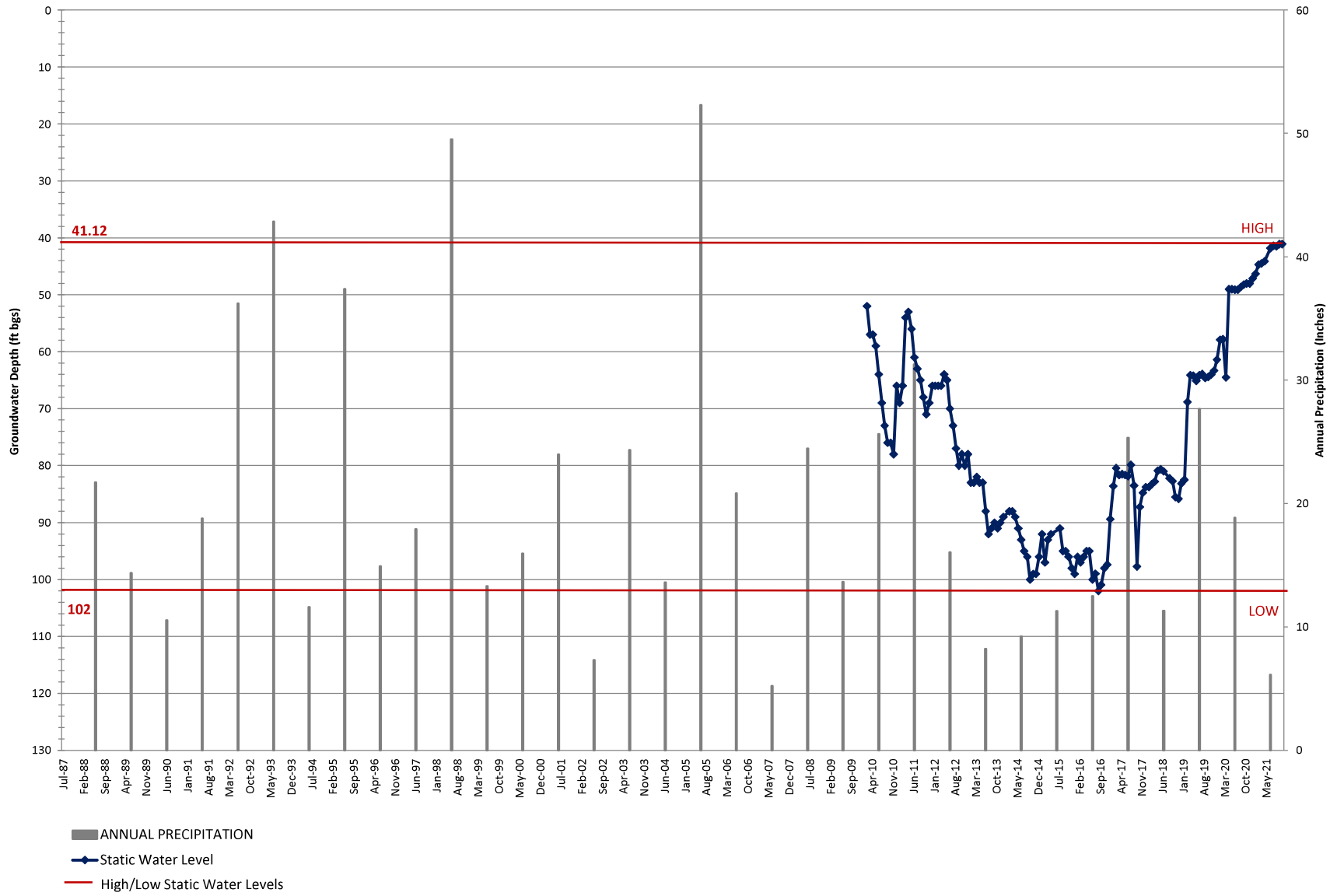
SCV WATER WELL U4
 STATIC WATER LEVEL VS PRECIPITATION



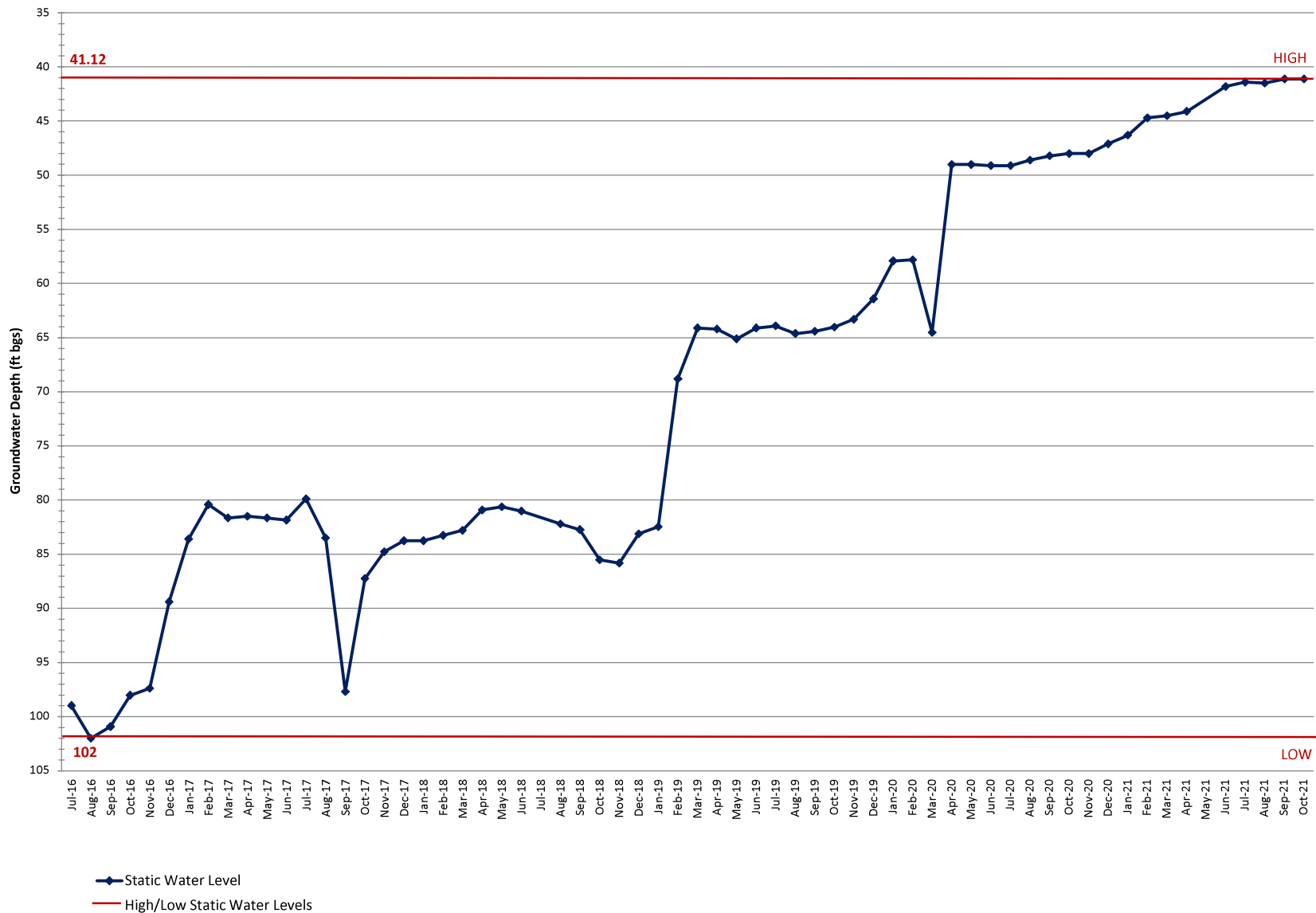
SCV WATER WELL U4
STATIC WATER LEVEL



SCV WATER WELL VALLEY CENTER
 STATIC WATER LEVEL VS PRECIPITATION



SCV WATER WELL VALLEY CENTER
 STATIC WATER LEVEL

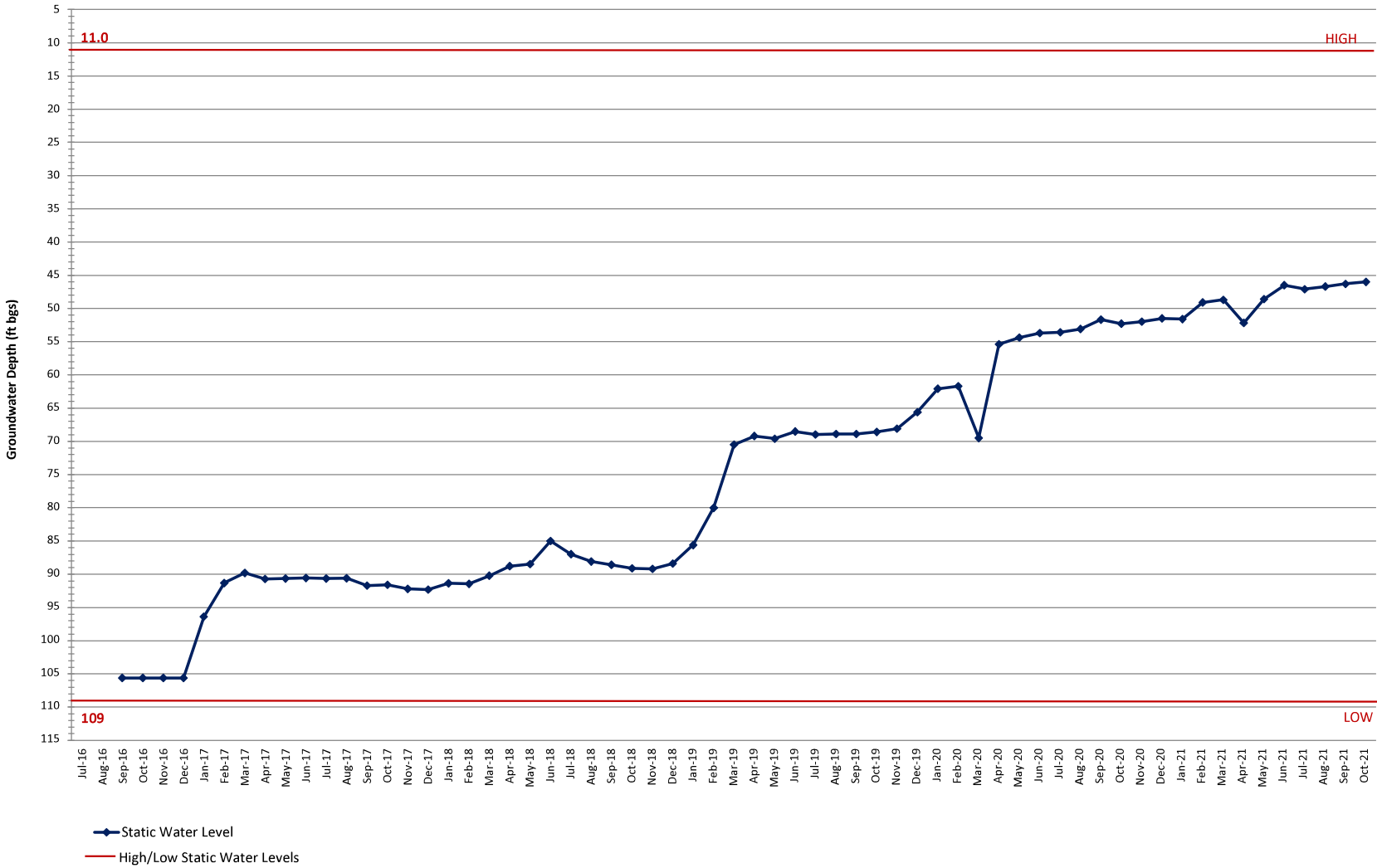


SCV WATER WELL HONBY #12
STATIC WATER LEVEL VS PRECIPITATION

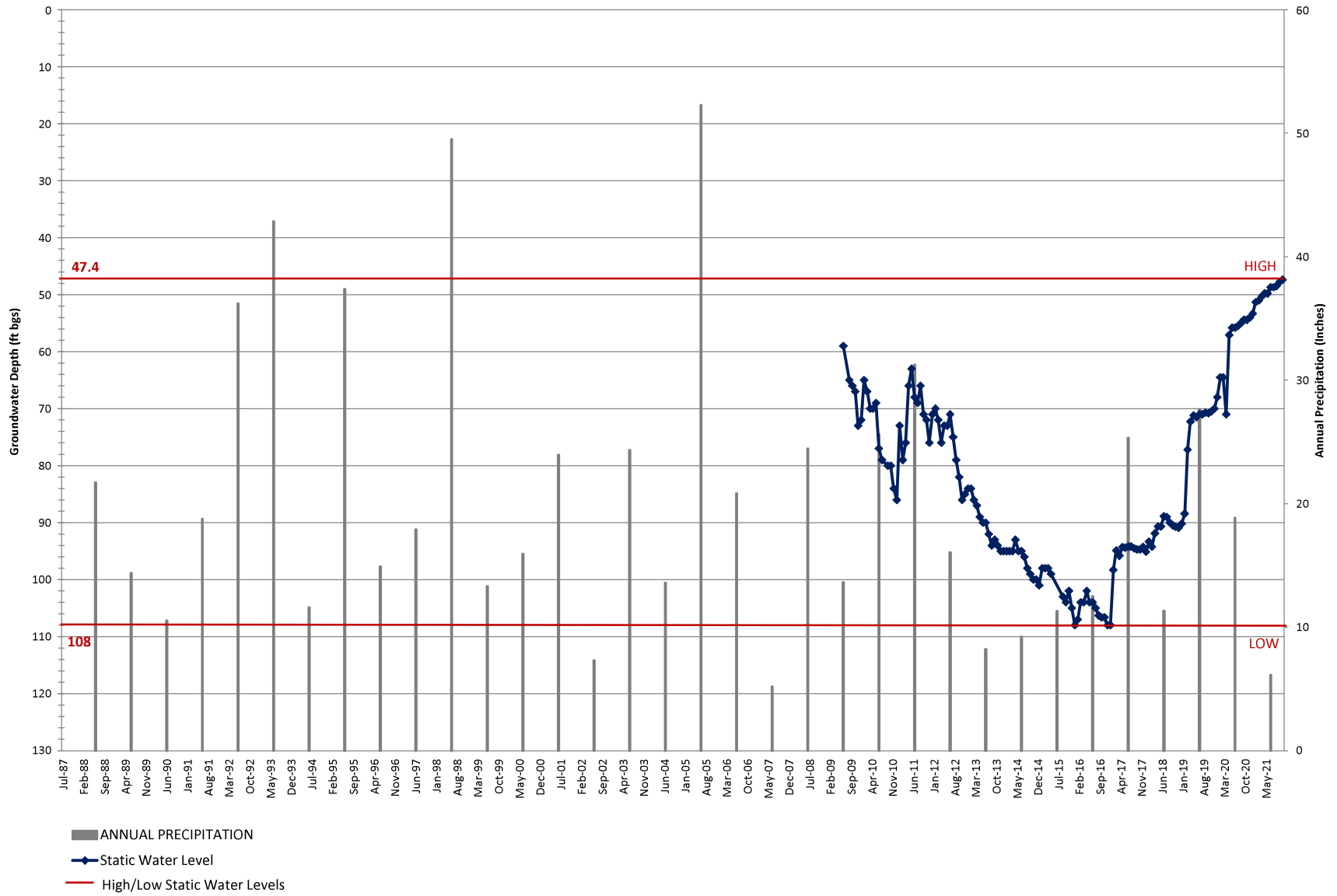


SCV WATER WELL HONBY #12

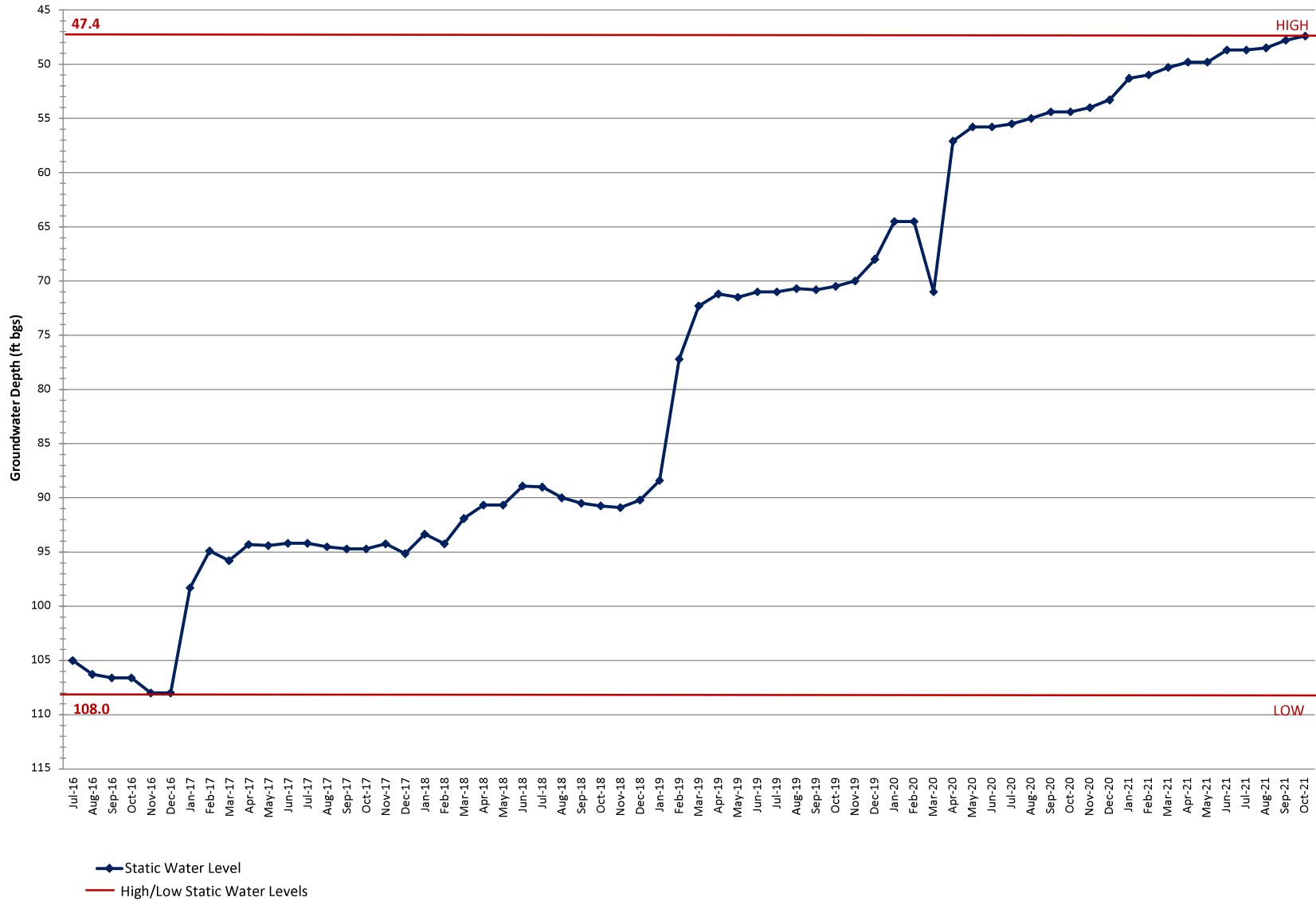
STATIC WATER LEVEL



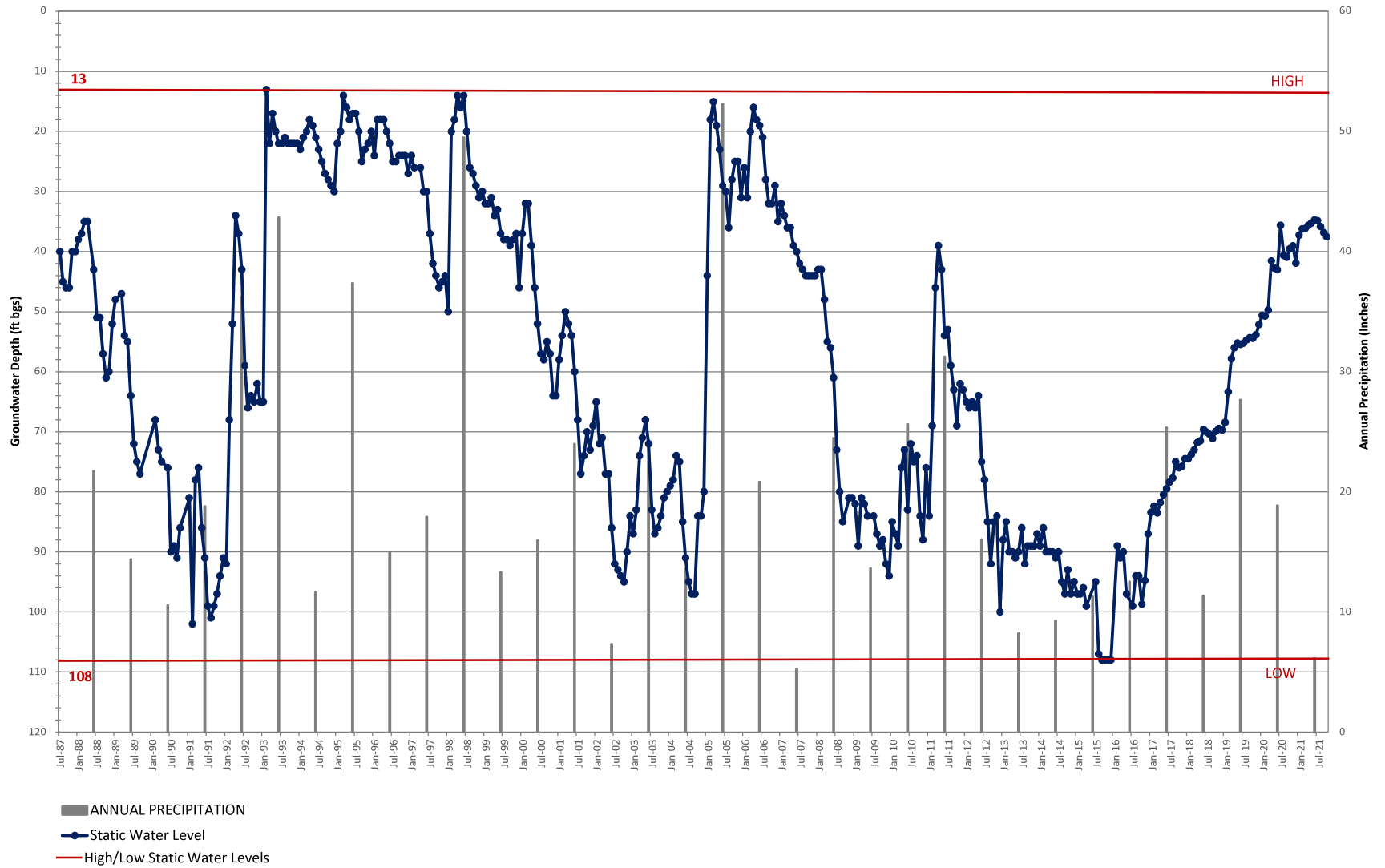
SCV WATER WELL SANTA CLARA
STATIC WATER LEVEL VS PRECIPITATION



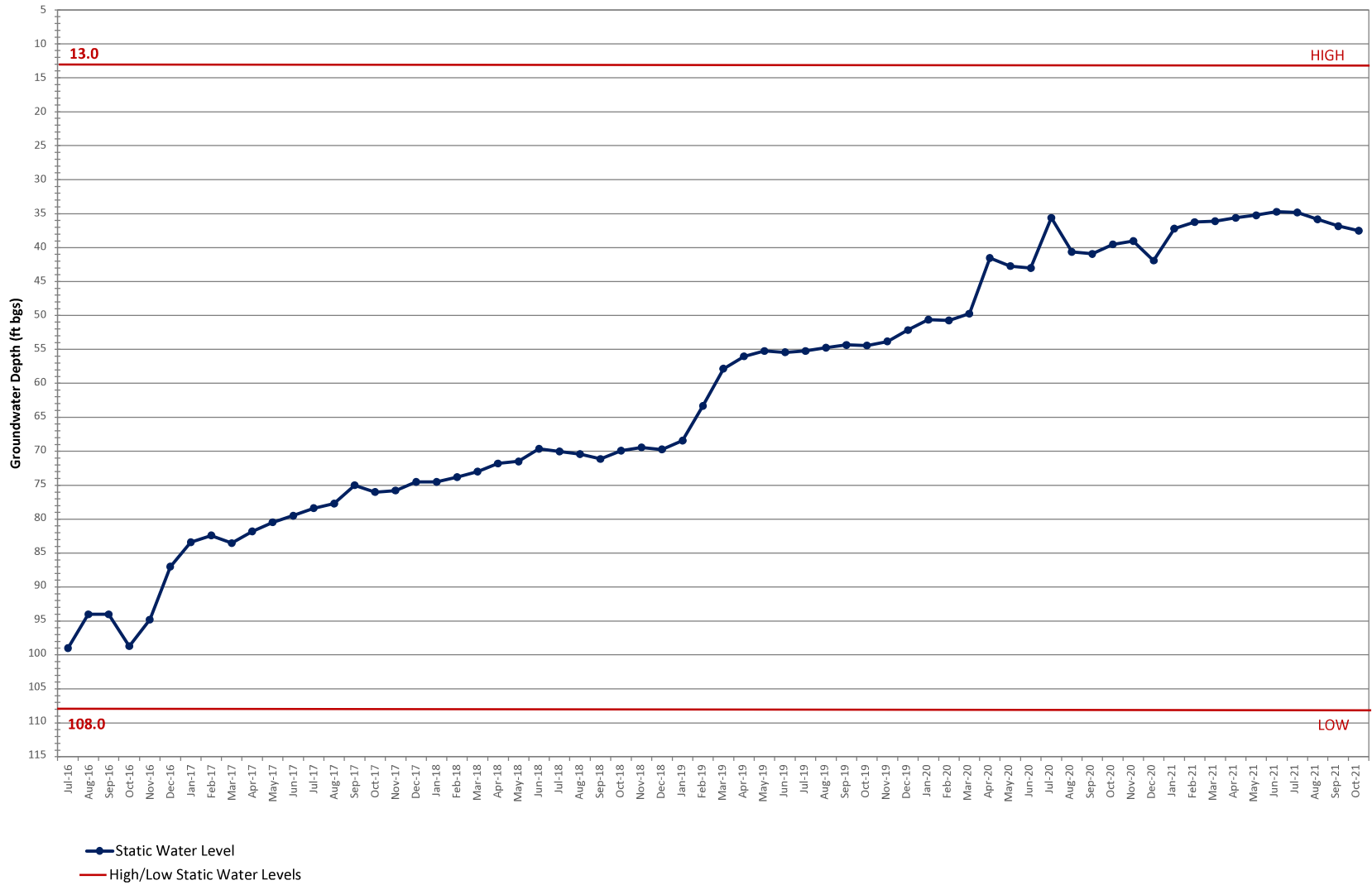
SCV WATER WELL SANTA CLARA
 STATIC WATER LEVEL



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



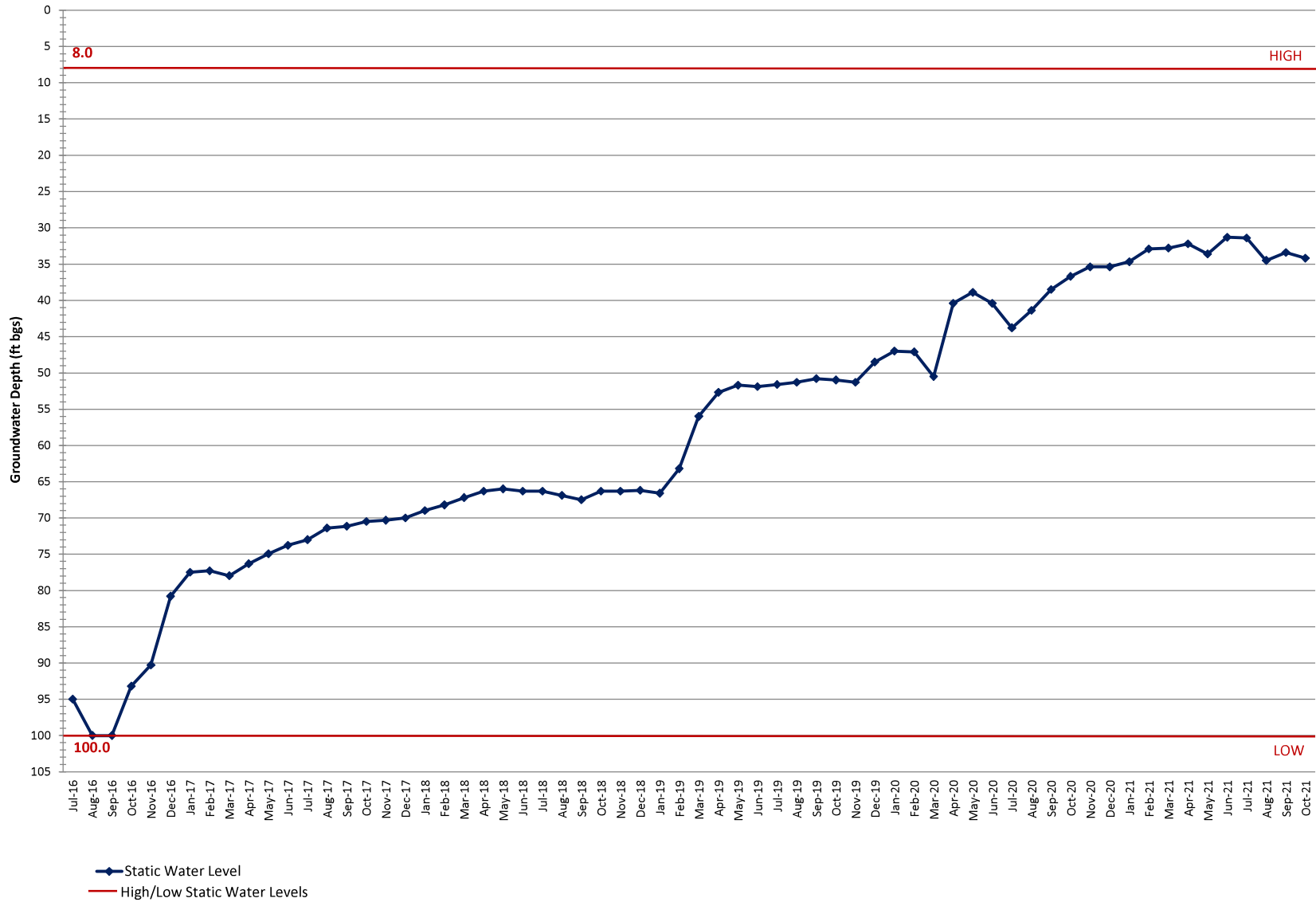
SCV WATER WELL NORTH OAKS CENTRAL #8
STATIC WATER LEVEL



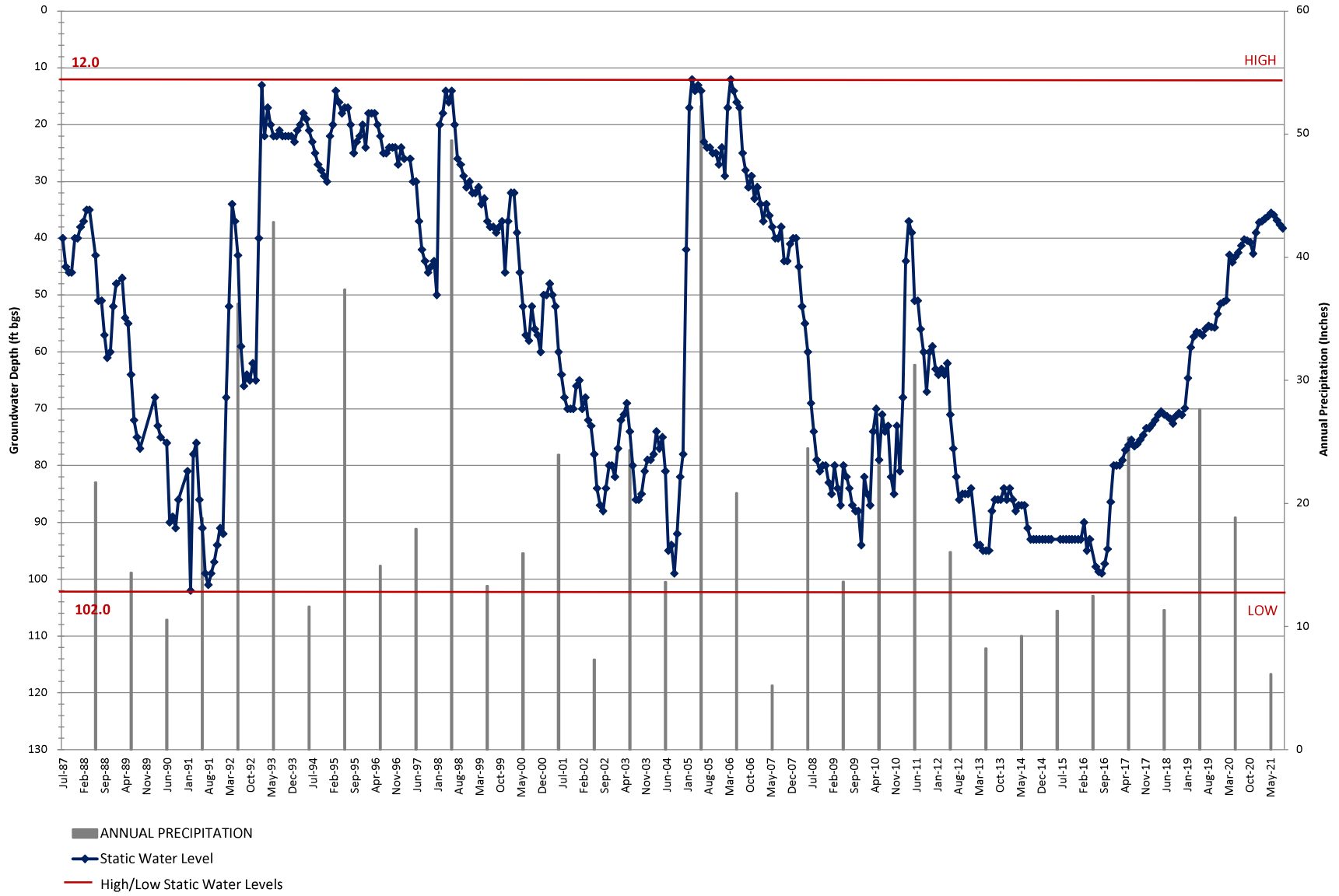
SCV WATER WELL NORTH OAKS WEST #9
 STATIC WATER LEVEL VS PRECIPITATION



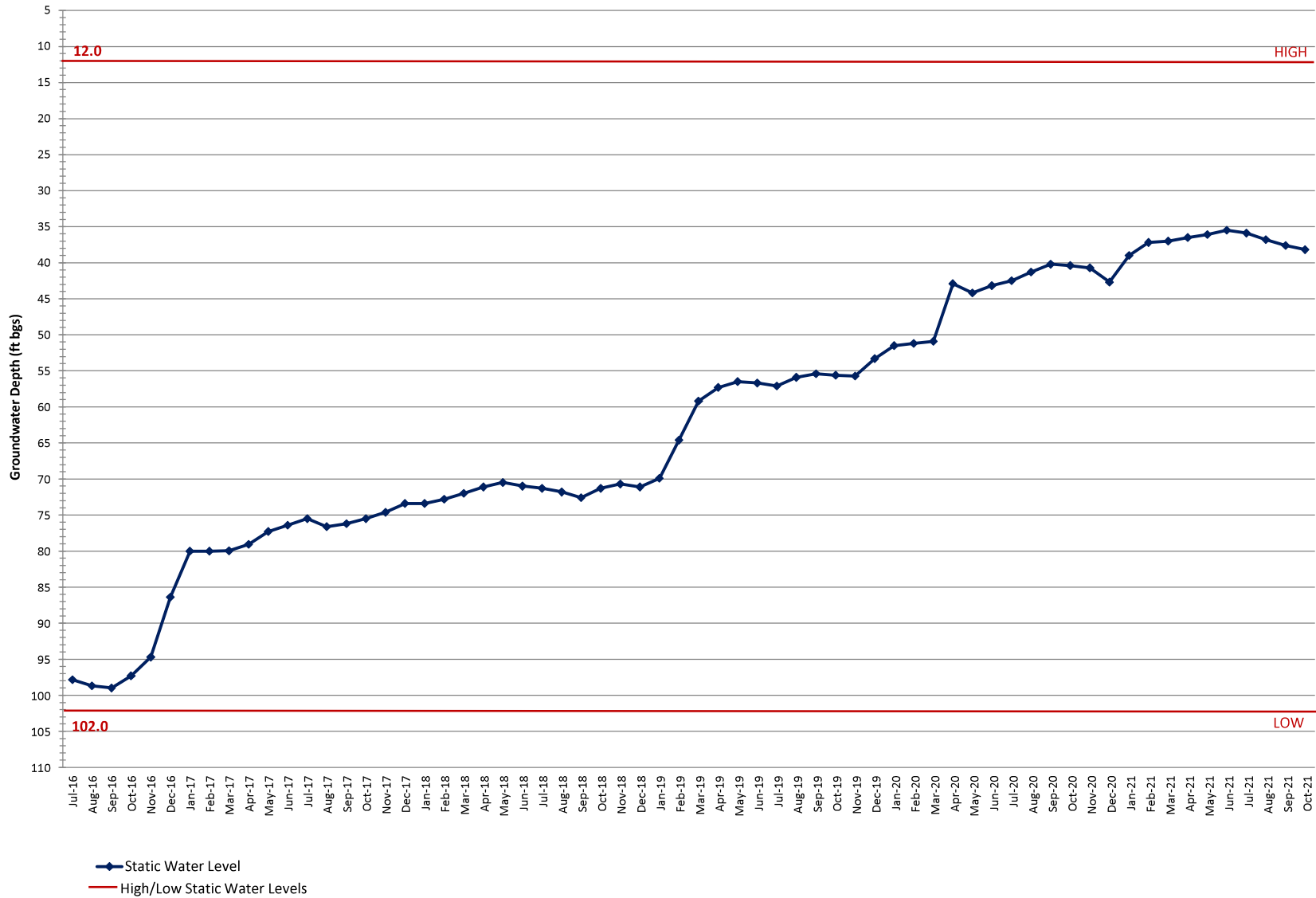
SCV WATER WELL NORTH OAKS WEST #9
 STATIC WATER LEVEL



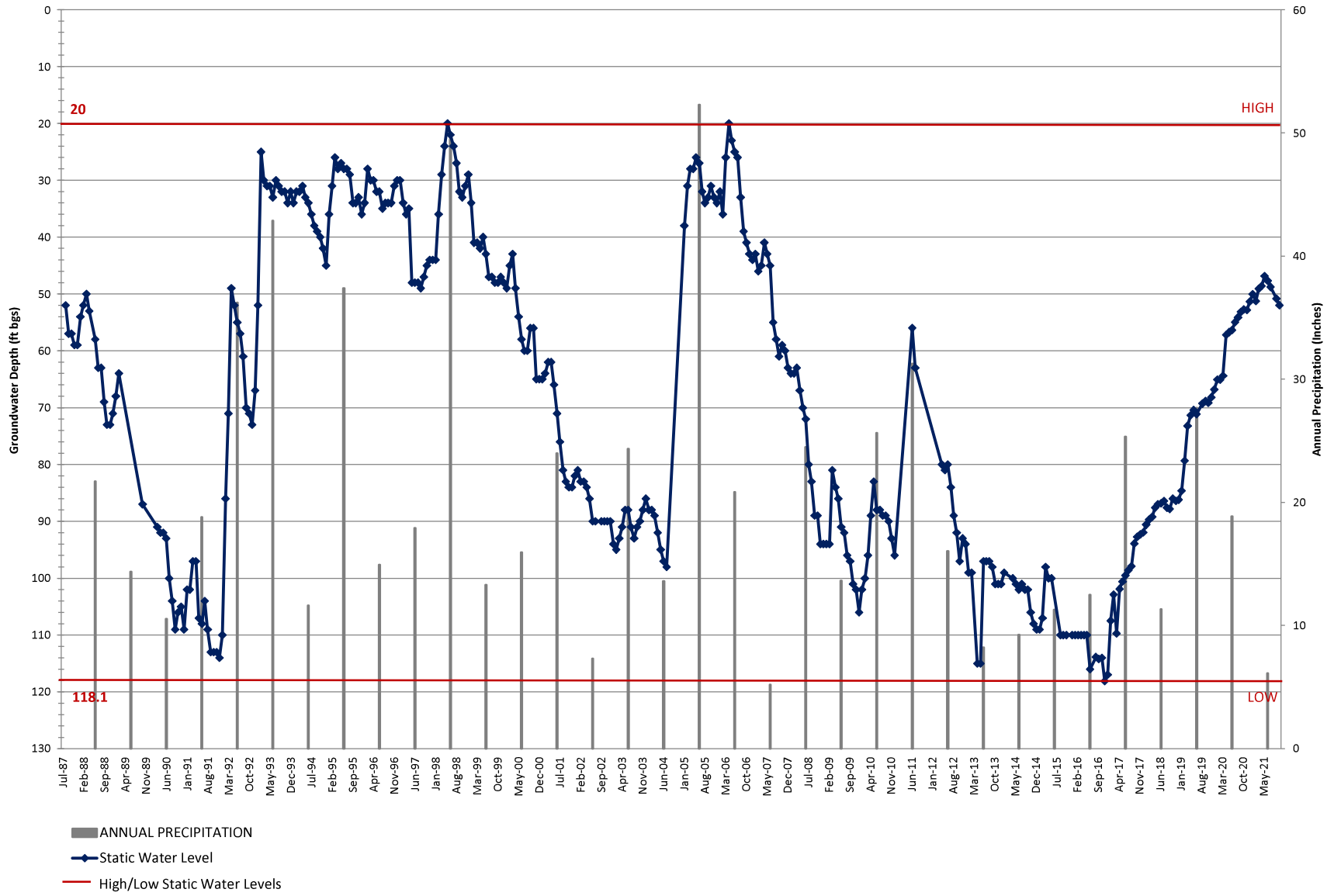
SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL VS PRECIPITATION



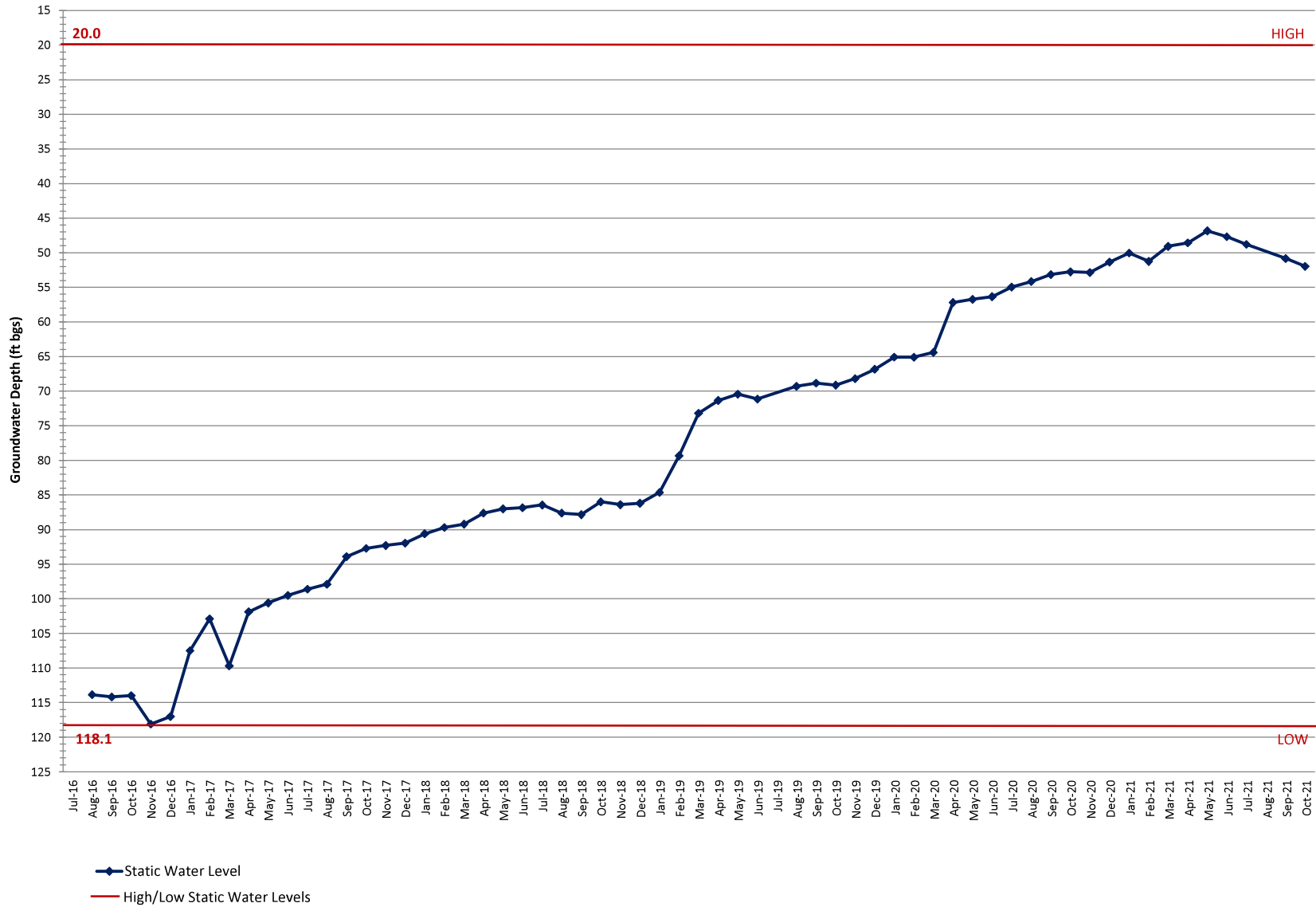
SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL



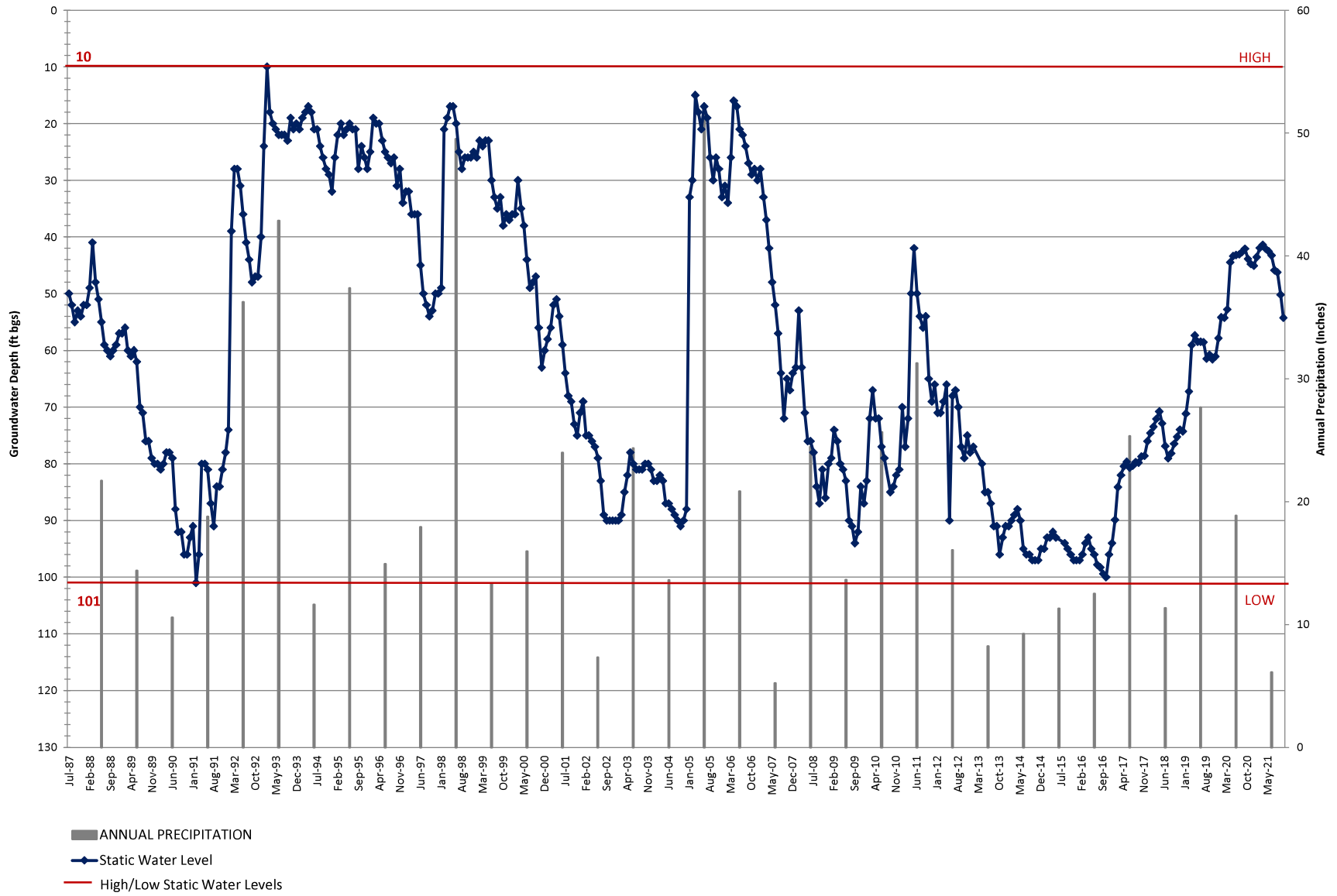
SCV WATER WELL SIERRA #6
 STATIC WATER LEVEL VS PRECIPITATION



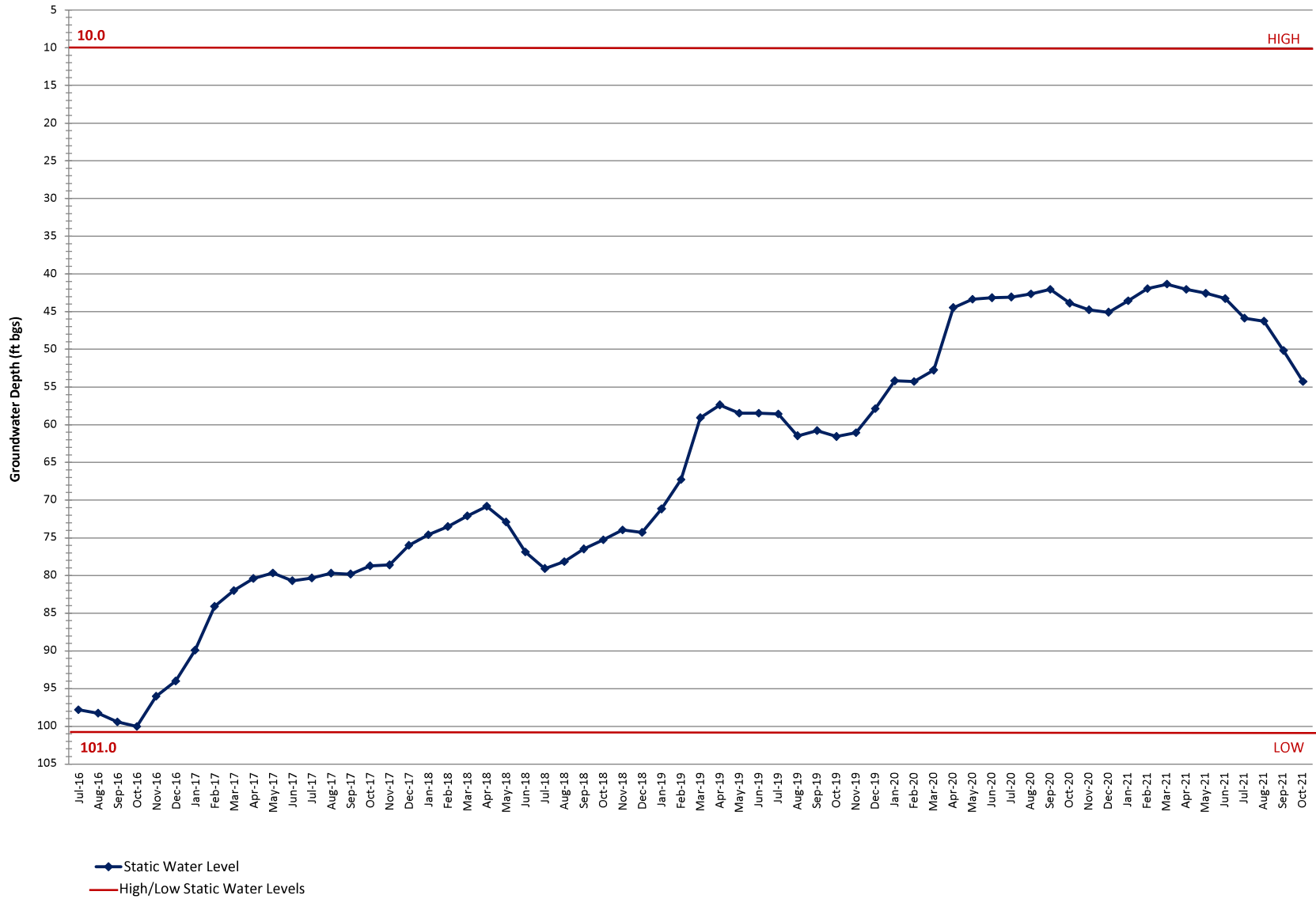
SCV WATER WELL SIERRA #6
 STATIC WATER LEVEL



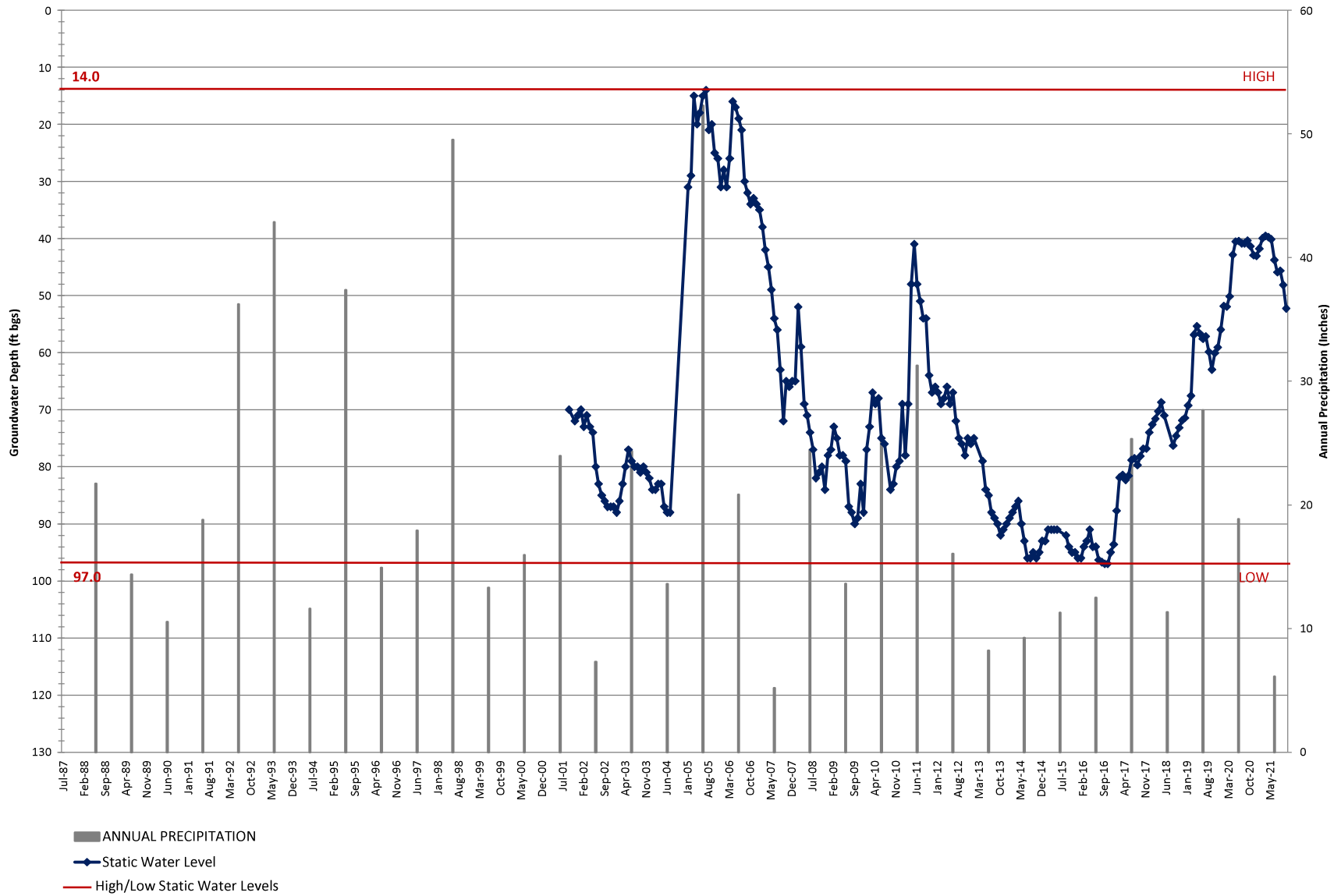
SCV WATER WELL MITCHELL #5A
 STATIC WATER LEVEL VS PRECIPITATION



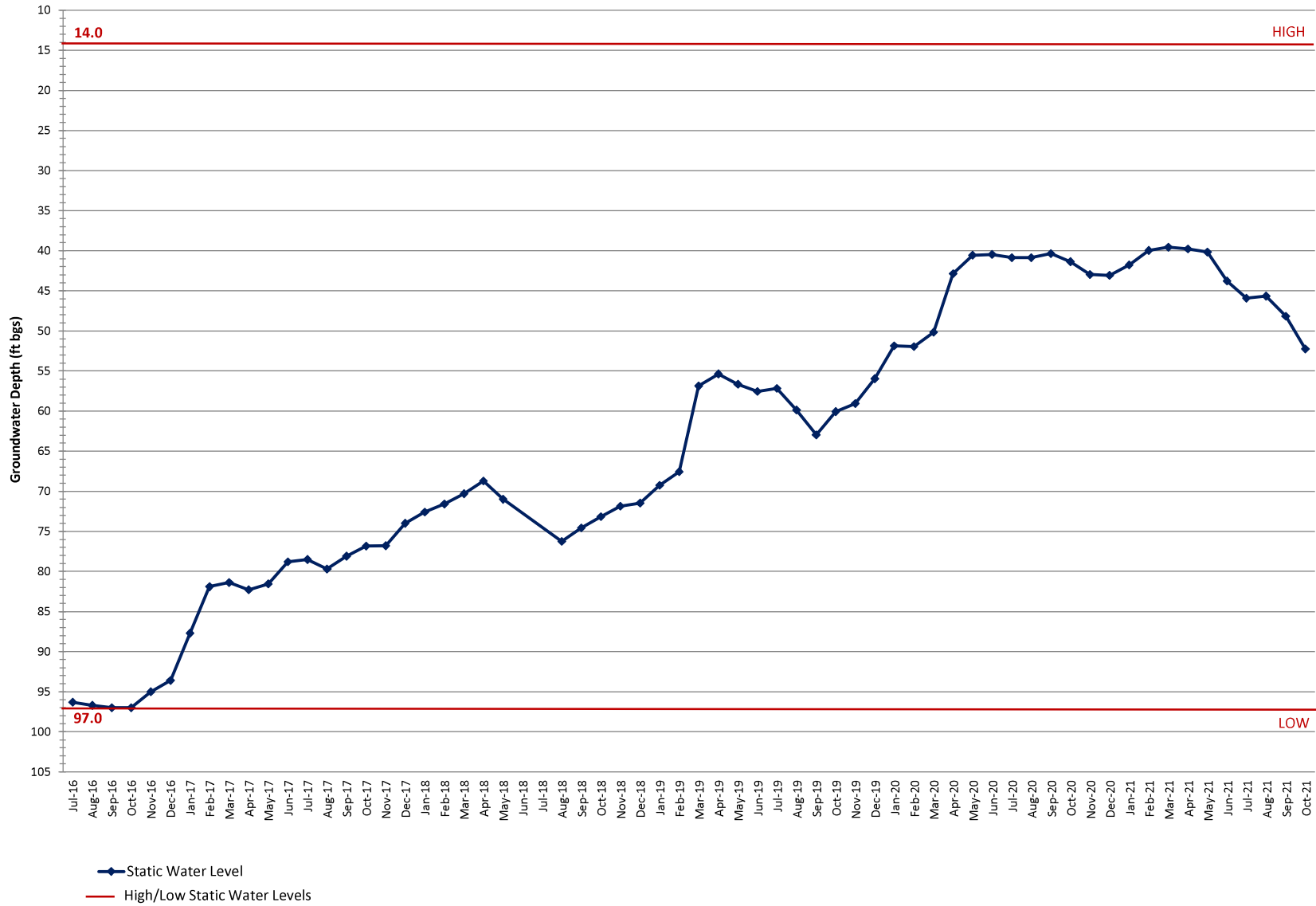
SCV WATER WELL MITCHELL #5A
 STATIC WATER LEVEL



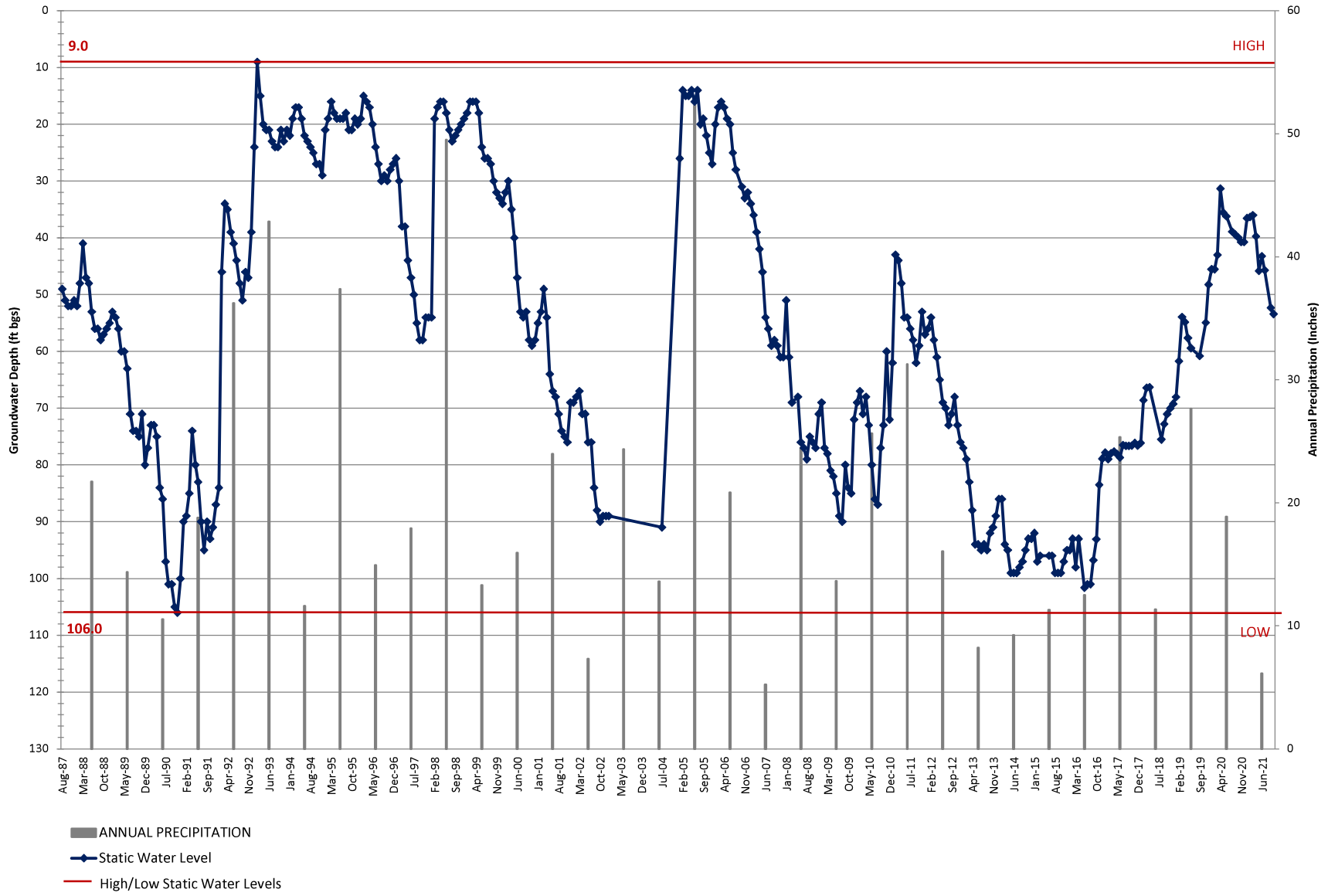
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL VS PRECIPITATION



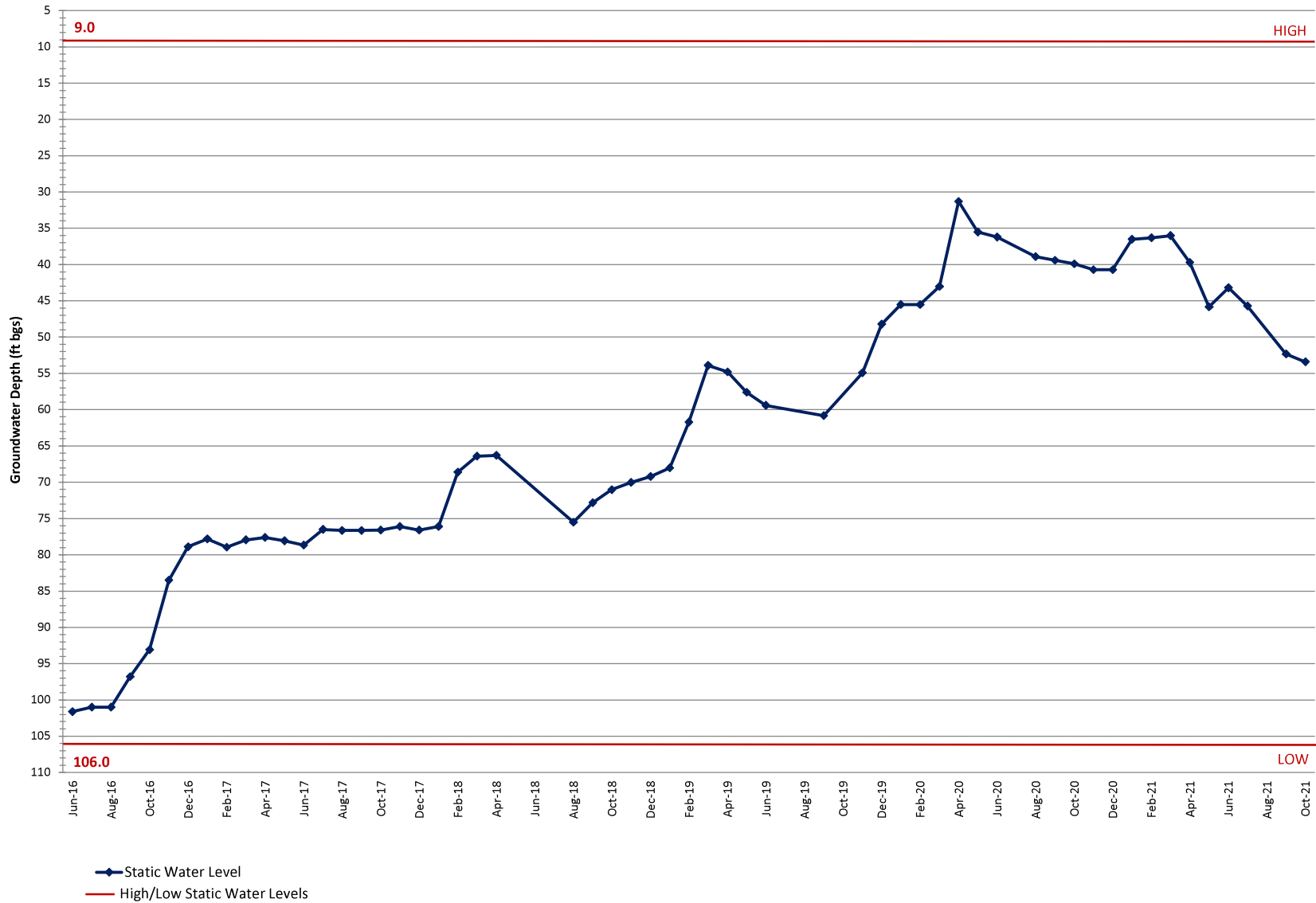
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL



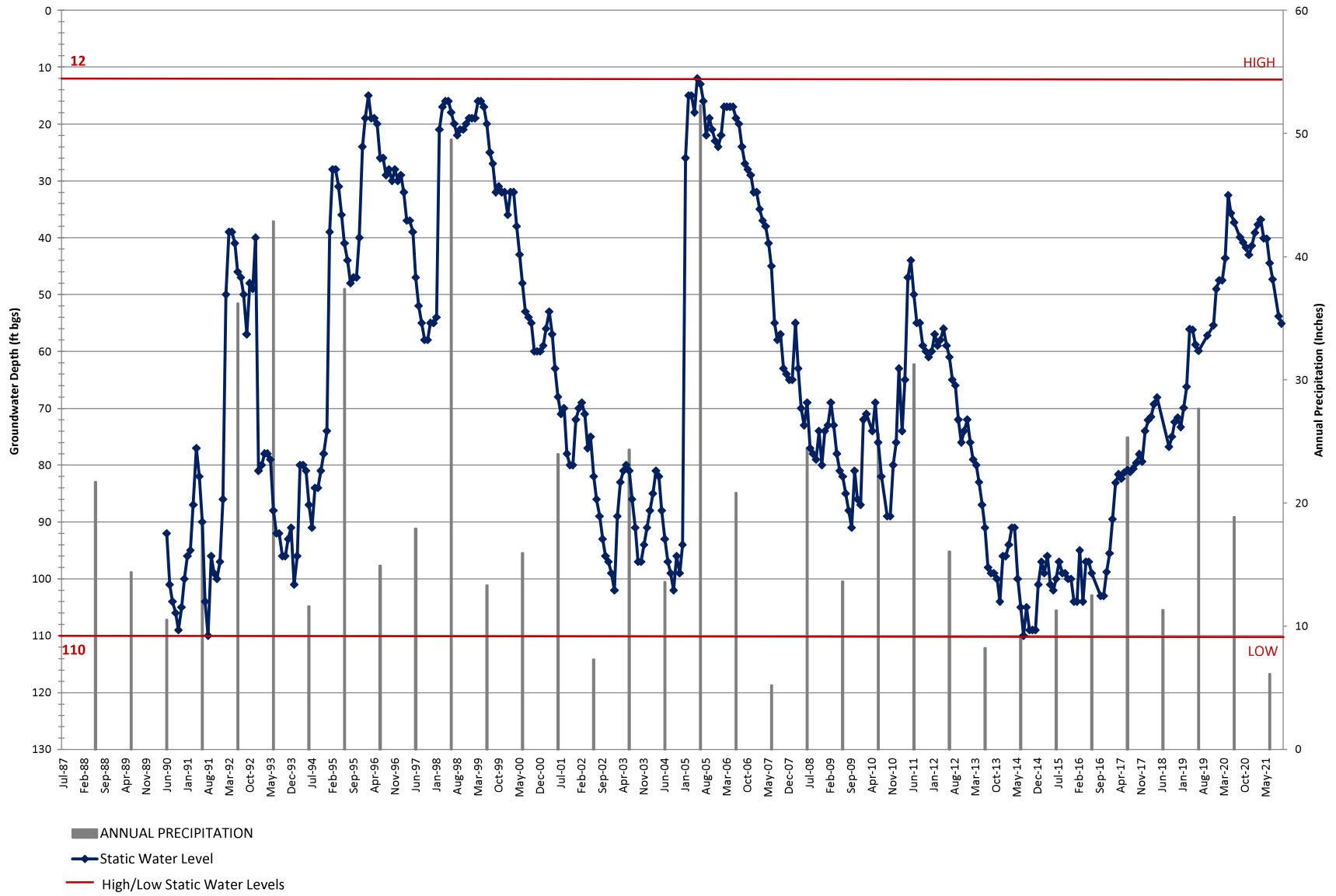
SCV WATER WELL SAND CANYON #3
 STATIC WATER LEVEL VS PRECIPITATION



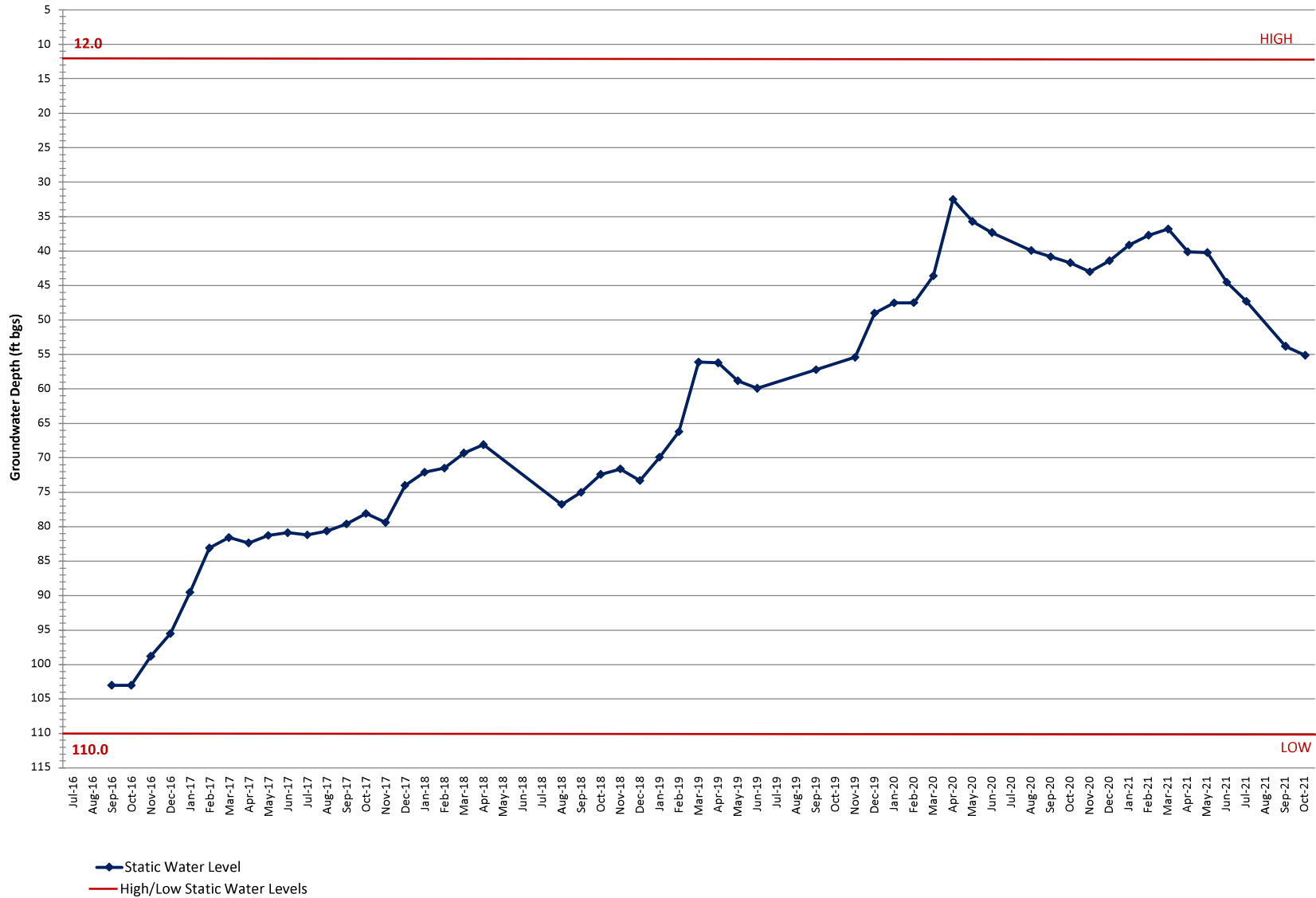
SCV WATER WELL SAND CANYON #3
STATIC WATER LEVEL



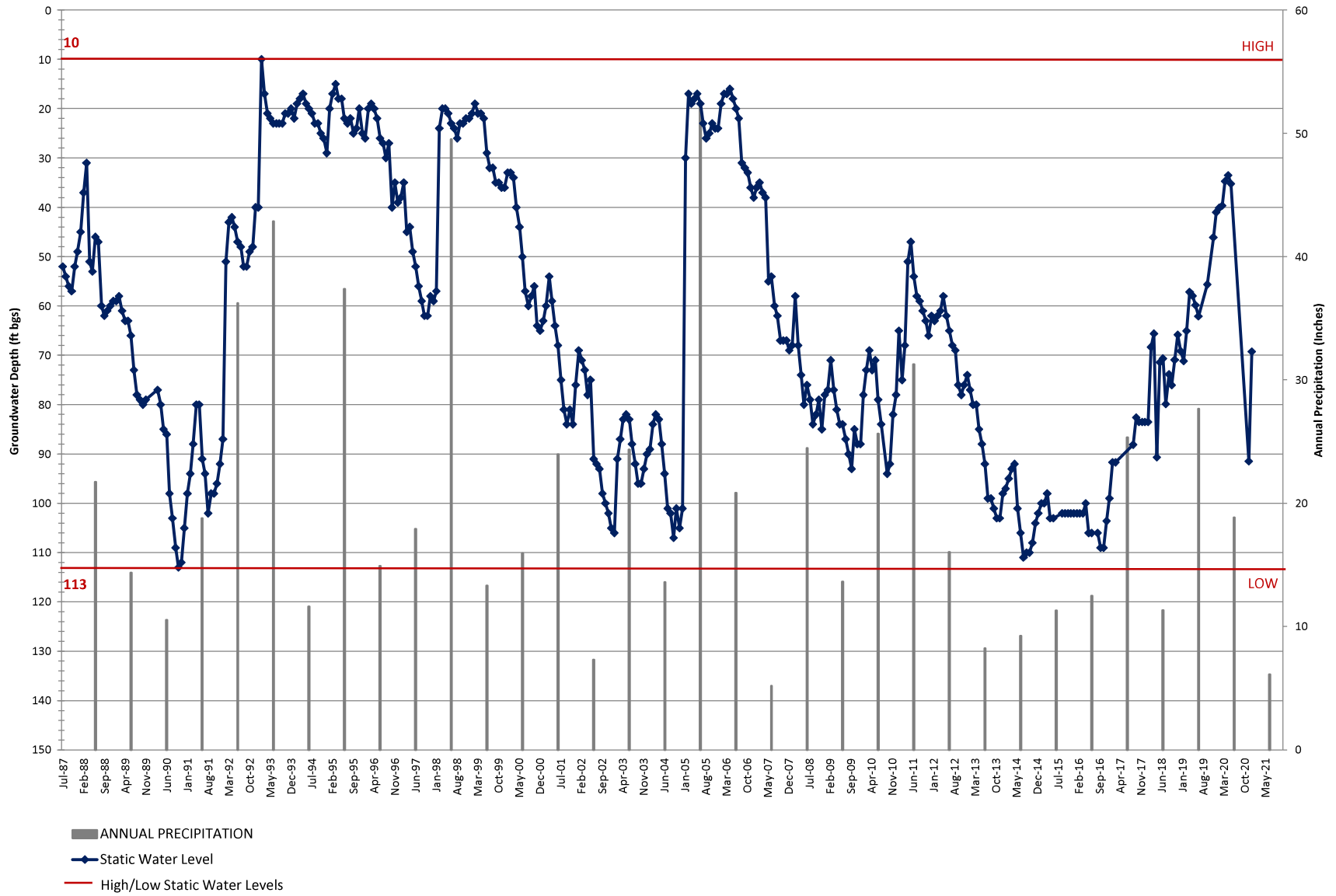
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL VS PRECIPITATION



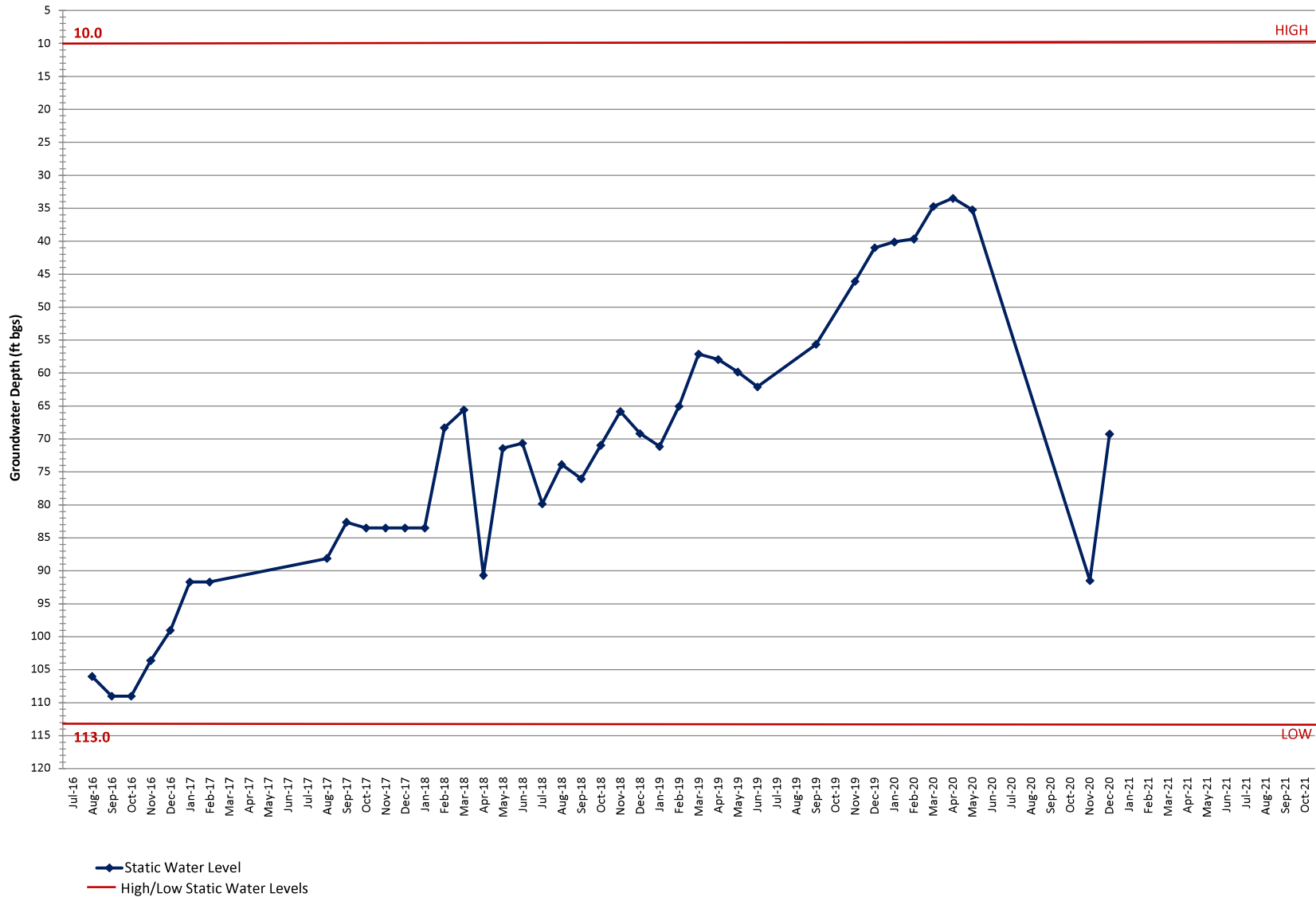
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL



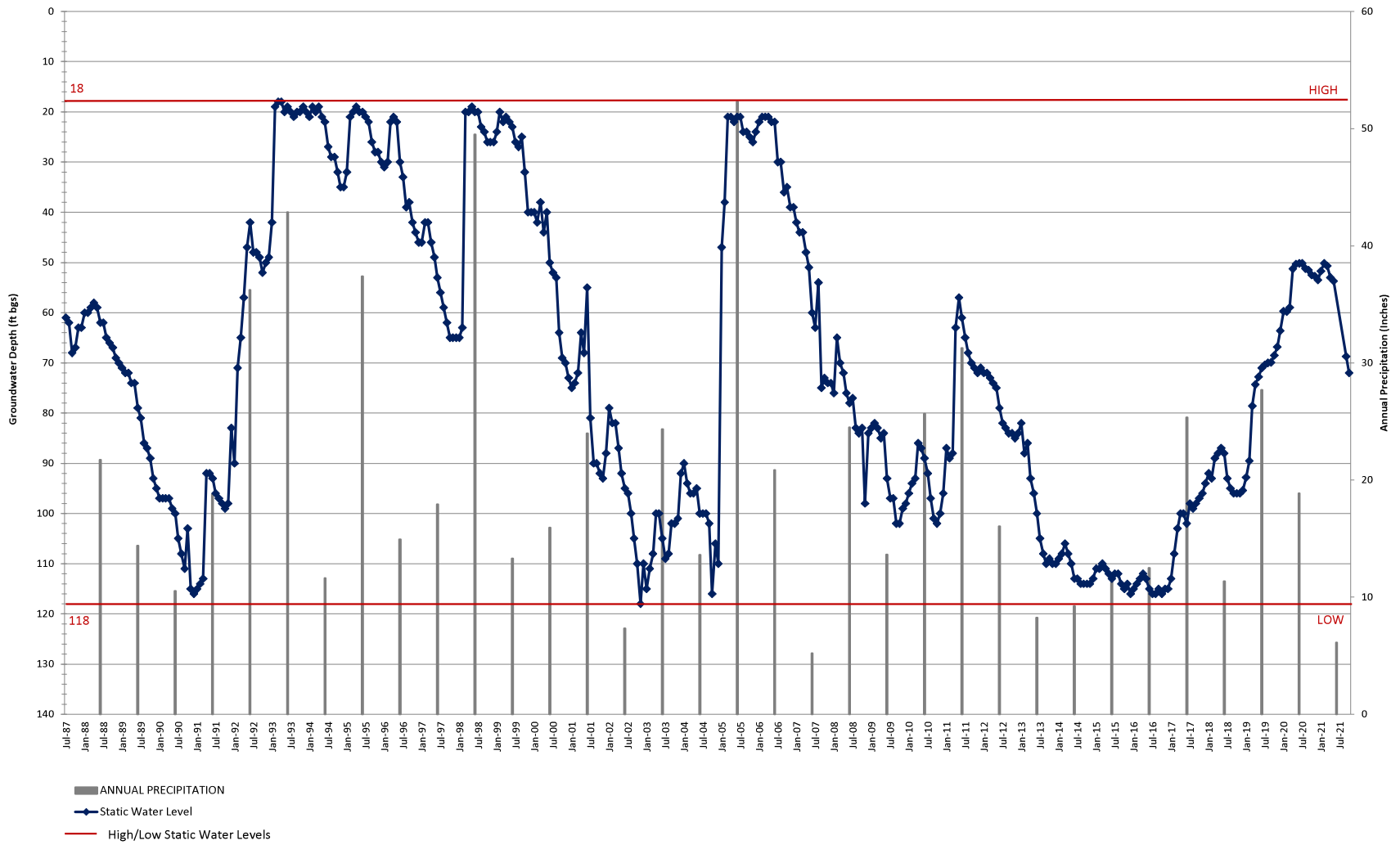
SCV WATER WELL LOST CANYON #2
STATIC WATER LEVEL VS PRECIPITATION



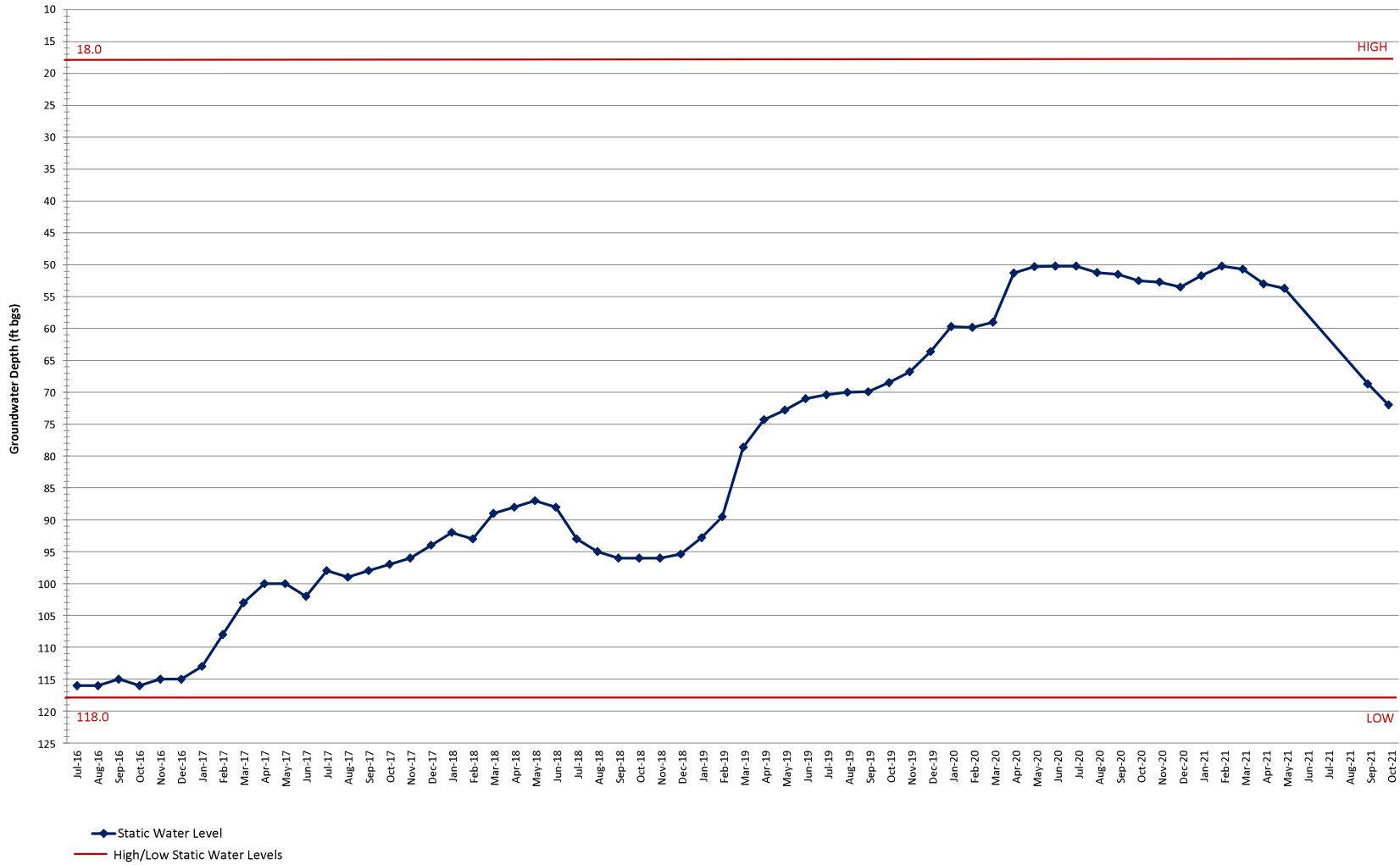
SCV WATER WELL LOST CANYON #2
 STATIC WATER LEVEL



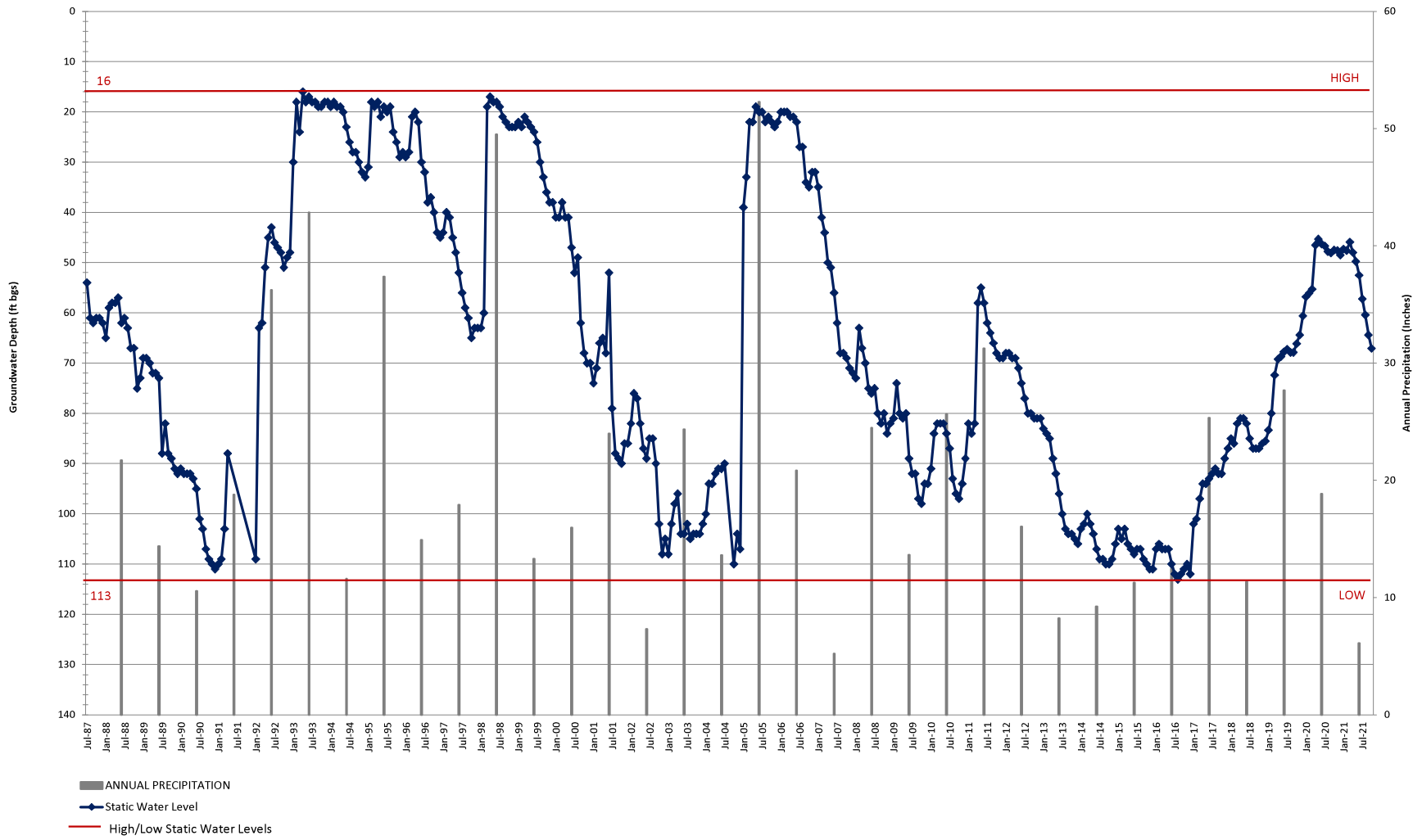
SCV WATER WELL P3
 STATIC WATER LEVEL VS PRECIPITATION



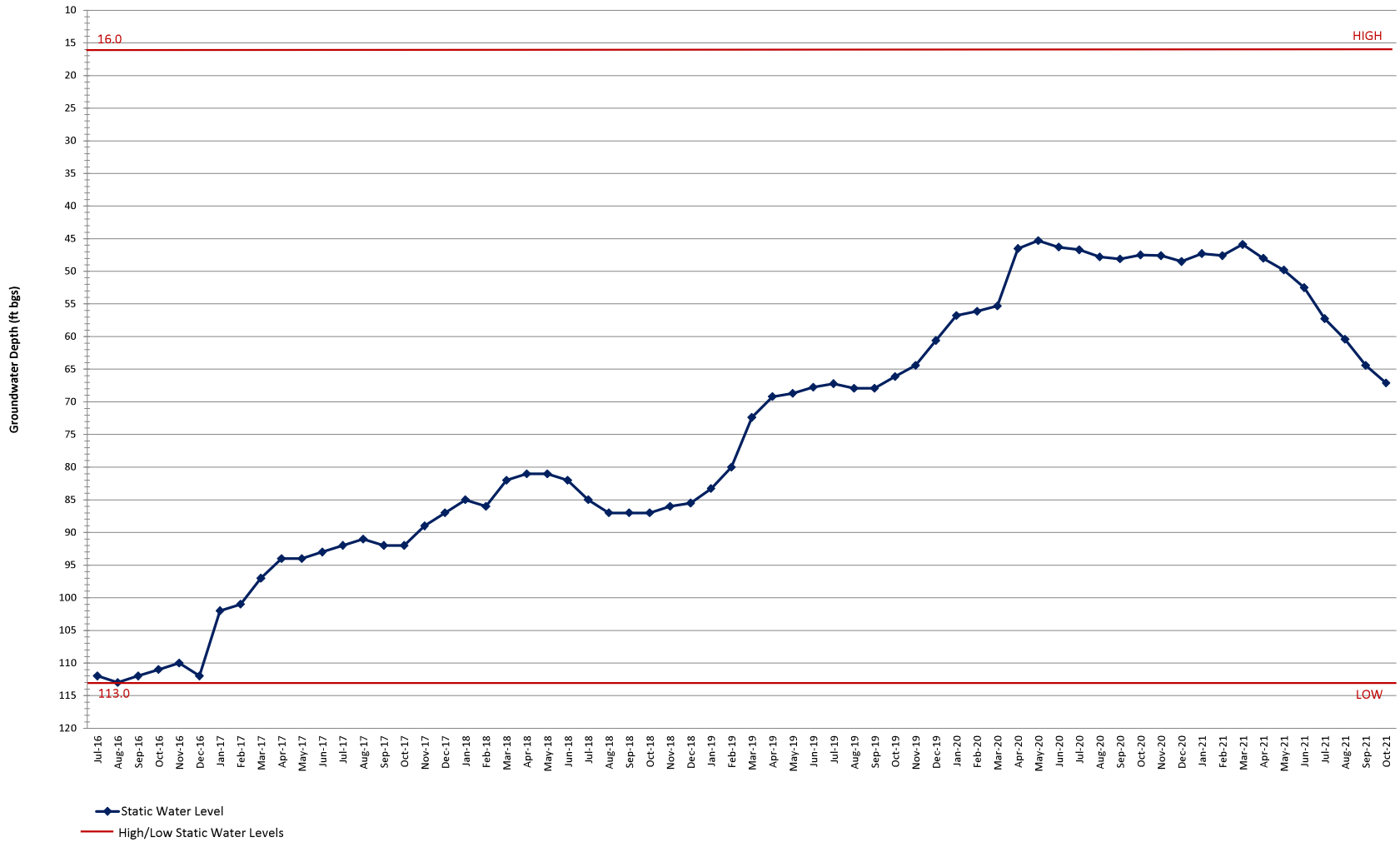
SCV WATER WELL P3
STATIC WATER LEVEL



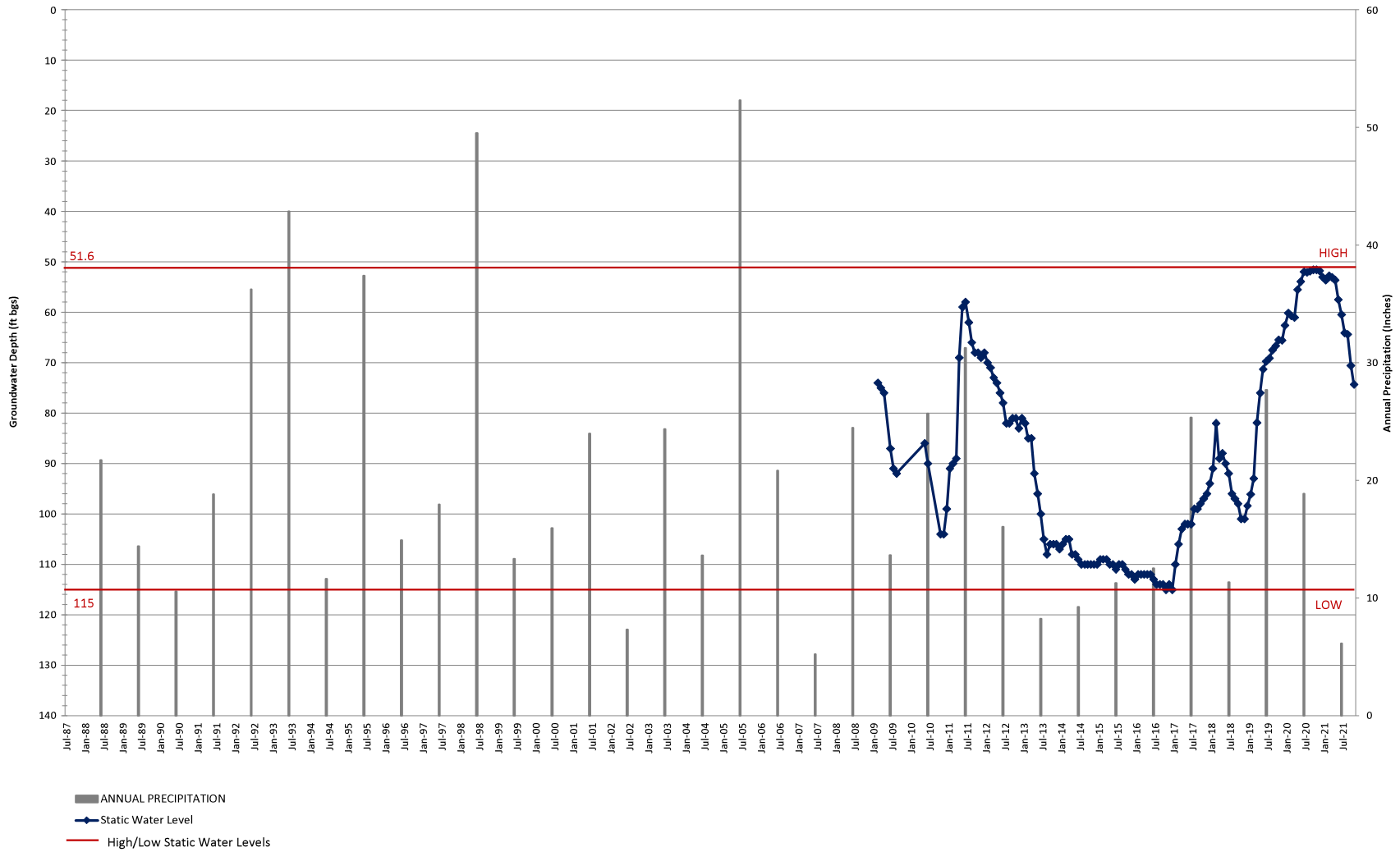
SCV WATER WELL P4
 STATIC WATER LEVEL VS PRECIPITATION



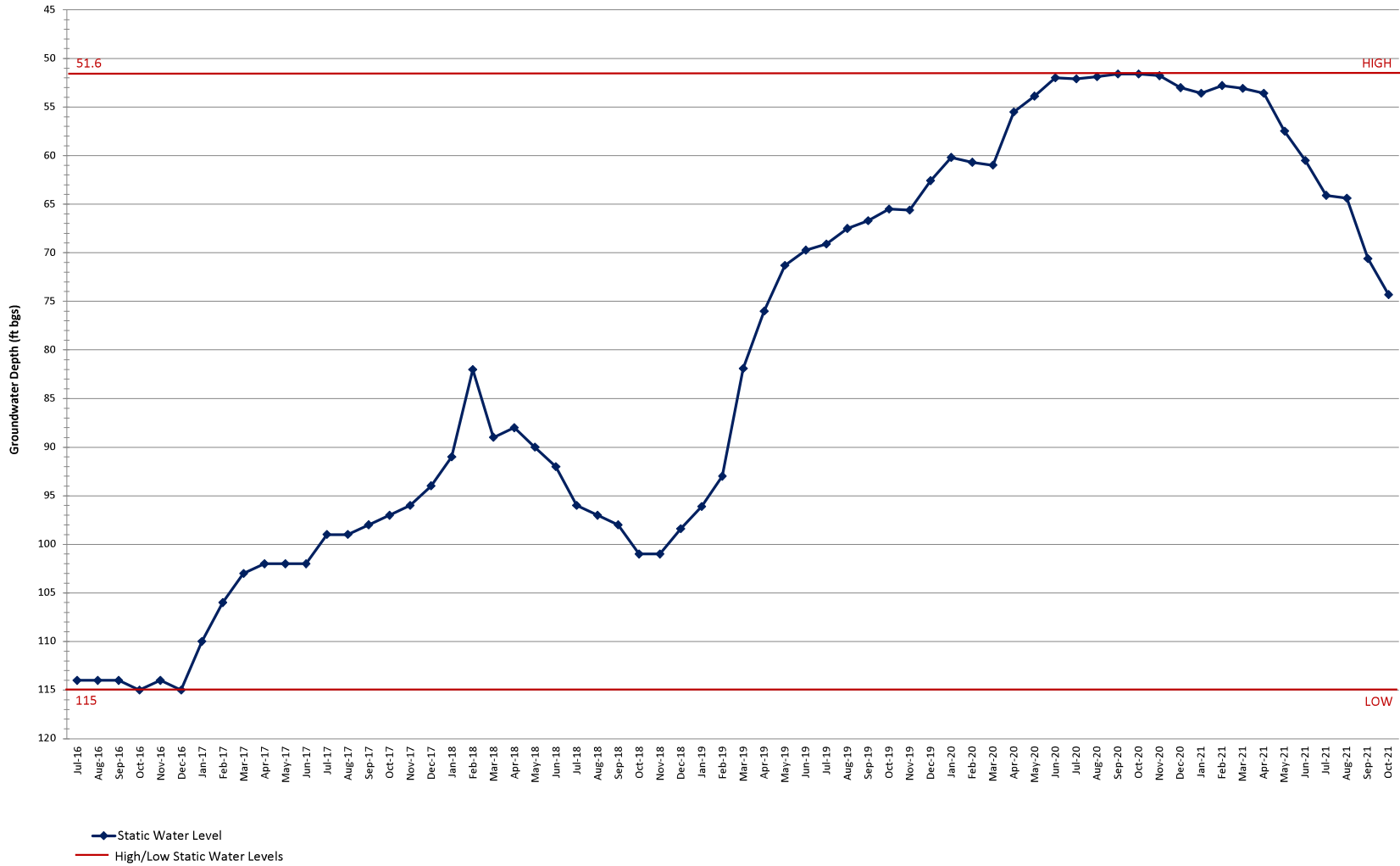
SCV WATER WELL P4
STATIC WATER LEVEL



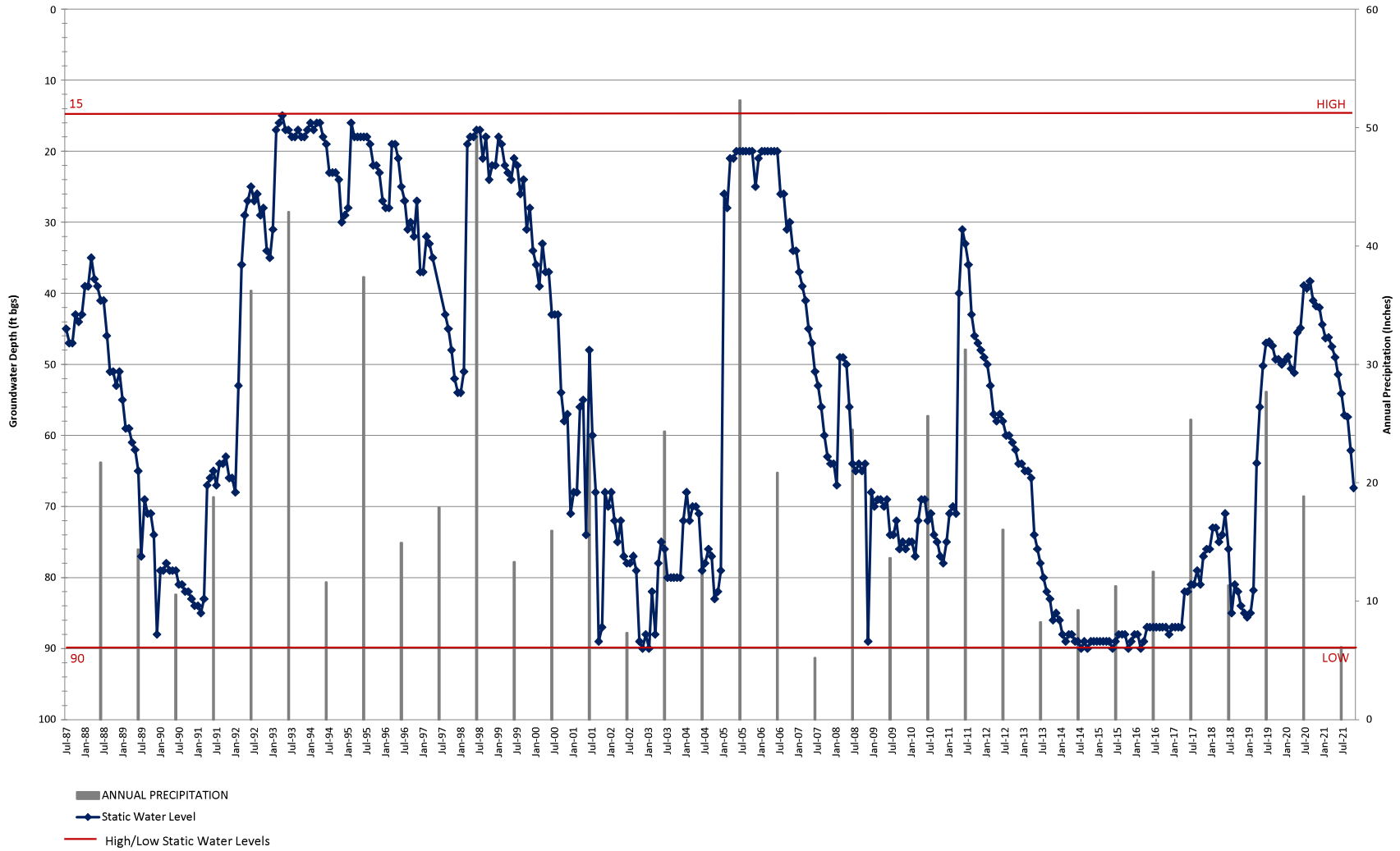
SCV WATER WELL P5
STATIC WATER LEVEL VS PRECIPITATION



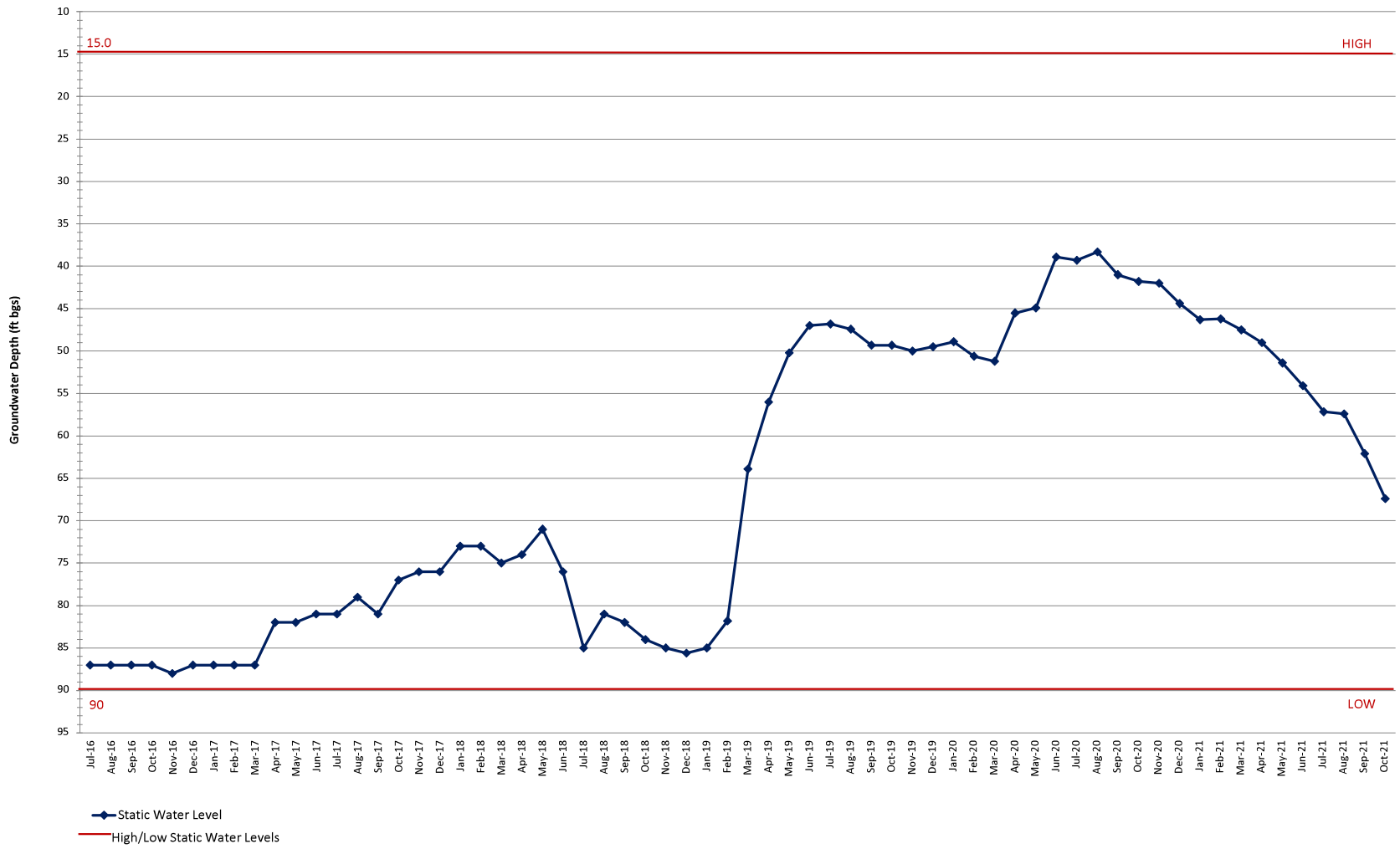
SCV WATER WELL P5
 STATIC WATER LEVEL



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, 2021

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	January 30, 2022	85%	Pipelines in roadways are complete. Contractor to install pipeline across Lost Canyon Bridge in December.
Commerce Center Drive Pipeline	FivePoint / Blois Construction, Inc.	\$891,139.70	\$0	0%	\$891,139.70	February 1, 2022	99%	Construction is in progress.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$283,368.07	9.19%	\$3,368,093.07	February 1, 2022	90%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	February 1, 2022	90%	Construction is in progress.
ESFP Standby Generator	NoHo Constructors	\$463,000	\$0	0%	\$463,000	February 24, 2022	1%	Construction submittals are in progress.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	March 1, 2022	65%	Construction is in progress.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	March 1, 2022	70%	Construction is in progress.
Vista Canyon (Phase 2B) Recycled Water Tanks	Pacific Tank and Construction, Inc.	\$3,906,870	\$363,316.95	9.08%	\$4,270,186.95	March 1, 2022	30%	Construction is in progress. Tank foundations are complete. Steel plate is in progress.
Valley Center Well PFAS Groundwater Treatment Improvements Material Purchase	Evoqua Water Technologies, LLC.	\$512,802	\$0	0%	\$512,802	May 1, 2022	90%	Material delivery complete. Start-up services on-hold, pending site construction work to be complete.
Valley Center Well PFAS Groundwater Treatment Improvements Site Construction	GSE Construction Company, Inc.	\$2,996,800	\$0	0%	\$2,996,800	May 1, 2022	38%	Construction is in progress.

[This page intentionally left blank.]

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

**ITEM NO.
7**

	Item	Jul 1 Comm	Aug 3 Board	Aug 5 Comm	Aug 17 Board	Sep 2 Comm	Sep 7 Board	Oct 5 Board	Oct 7 Comm	Oct 19 Board	Nov 2 Board	Nov 4 Comm	Nov 16 Board	Dec 7 Board	Dec 9 Comm	Dec 21 Board	Jan 4 Board	Jan 6 Comm	Jan 18 Board	Feb 1 Board	Feb 3 Comm	Feb 16 Board	Mar 1 Board	Mar 3 Comm	Mar 16 Board	Apr 5 Board	Apr 7 Comm	Apr 19 Board	May 3 Board	May 12 Comm	May 17 Board	Jun 2 Comm	Jun 7 Board	Jun 21 Board	Jul 5 Board	
1	Monthly Committee Planning Calendar	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
2	CIP Construction Status Report	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
3	Monthly Operations and Production Report	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
4	Third Party Funded Agreements Quarterly Report			C																																
5	Quarterly Safety Program Presentation			C																																
6	Annual Safety Program Update (FY 20-21)						C																													
7	Recommend Approval to Authorize General Manager to Execute Reimbursement Agreement with City of Santa Clarita for Eligible Portions of Golden Valley Pipeline to New Sheriff Station	C	C																																	
8	Recommend Approval of a Resolution Awarding a Purchase Order for Additional Final Design Services for Phase 2C South End Recycled Water Main Extension	C	C																																	
9	Recommend Approval of Decoro Drive Pavement Repair			C	C																															
10	Recommend Approval of Purchase of IX Resin for the N Wells PFAS Treatment System			C	C																															
11	Approve a Resolution Authorizing Santa Clarita Valley Water Agency to Provide Water Quality Laboratory Testing Services to the State of California Department of Water Resources		C																																	
12	Recommend Approval of a Three-Year Annual Service Contract for the Liquid Chromatography Tandem Mass Spectrometer (LCMSMS)					C		C																												
13	Recommend Approval of a Resolution for a Construction Contract with NoHo Constructors for the Earl Schmidt Filtration Plant (ESFP) Standby Generator Project								C	C																										
14	Recommend Adopting a Resolution Authorizing SCV Water to Apply for Funding from the Drinking Water State Revolving Fund (DWSRF) and to Execute a Financing Agreement for Groundwater Contamination Treatment Projects with the State Water Resources Control Board								C		C																									
15	Recommend Approval of a Resolution Authorizing the General Manager to Apply for Grant Funding Under the Federal Bureau of Reclamation WaterSmart Water Energy Efficiency Grant Program (WEEG) for an Automated Metering Infrastructure Project											C	C																							
16	Recommend Approval to Purchase Approximately 5,000 AMI Compatible Meters											C	C																							
17	Recommend Adopting a Resolution Authorizing SCV Water to Execute a Financing Agreement with the State Water Resources Control Board for the Los Angeles Residential Community Pipeline Project											C		P																						
18	Recommend Approval of a Resolution Authorizing a Purchase Order to Lee & Ro, Inc. for Final Design Services for Rio Vista Water Treatment Plant (RVWTP) Underground Storage Tank (UST) Replacement Project											C		P																						
19	Recommend Approval of a Resolution Awarding a Contract for Fairway Water Storage Tank Coating Project														P	P																				
20	Recommend Adopting a Resolution Authorizing the General Manager to Apply for Grant Funding Under the 2021 Urban and Multibenefit 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														P		P																			
21	Recommend Approval of a Resolution Awarding a Materials Purchase Contract for the Santa Clara and Honby Wells PFAS Groundwater Treatment Project with Aqueous Vets														P		P																			

C = Completed Item
P = Planned Item

[This page intentionally left blank.]



December 9, 2021

Cross-Connection Control Program (CCCP)

Engineering and Operations
Committee Meeting

Cross Connection Control Program

Purpose: Protect the potable water distribution system from possible contamination or pollution.

Requirements: SCVWA requires the installation of backflow prevention assemblies in all new or existing commercial and industrial establishments where cross connection exists, whether or not they currently store or use harmful contaminants.

Administration: SCVWA is responsible for the establishment of a procedure for testing backflow preventers, and maintenance of records of locations, tests, and repairs.



Backflow Prevention Assemblies



Reduced Pressure Principle Assembly (RP)



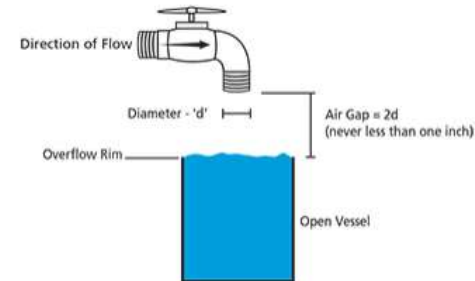
Double Check Detector Assembly (DCDA)



Double Check Valve Assembly (DC)



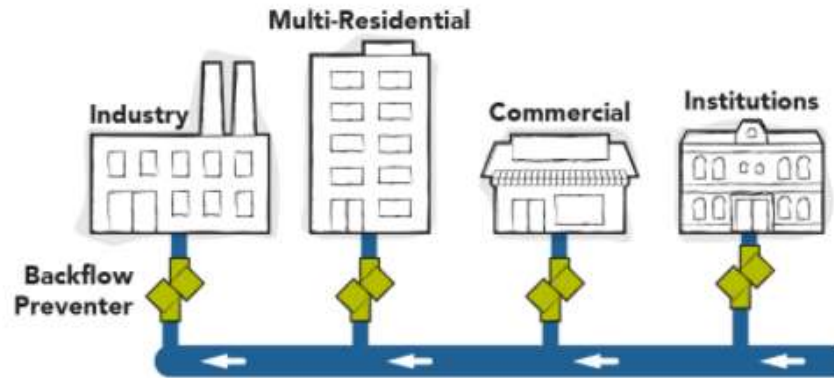
Reduced Pressure Principle Detector Assembly (RPDA)



Air Gap



Backflow Prevention



Backflow: The undesirable reversal of flow of water or mixtures of water and other liquids, gases or substances into the distribution pipes of the potable water supply from any source.

Cross-Connection: Any actual or potential connection between a public potable water system and any other source or system through which it is possible to introduce into any part of the potable water system any used water, industrial fluid, gas or other substance other than the intended potable water with which the system is supplied.



Backflow Prevention Assemblies

Degree of Hazard: Either a pollutant (non-health hazard) or contaminant (health hazard); derived from the assessment of materials, which may come in contact with the distribution system through a cross connection.

Type	Hazard		Protection Against		Typical Use
	Low	High	Backsiphonage	Backpressure	
Double Check Valve Assembly (DC)	x		x	x	Protects Against Non-Health Hazards: Irrigation
Double Check Detector Assembly (DCDA)	x		x	x	Protects Against Non-Health Hazards: Fire Sprinkler Systems w/o retardant
Reduced Pressure Principle Assembly (RP)	x	x	x	x	Protects Against Health Hazards - recycled water, irrigation systems where fertilizers or herbicides can be injected
Reduced Pressure Principle Detector Assembly (RPDA)	x	x	x	x	Protect against health hazards -Fire sprinkler systems with retardents
Air Gap	x	x	x	x	Usually used in temporary water storage vessels; water trucks.

Program Management

There are currently **6,891** registered backflow prevention devices in SCV that must be tested annually.

 **syncta**[™] is an online application, accessible by computer and mobile device, that is designed to help manage the Cross Connection Control Program by allowing SCVWA to:

- Keep track of all SCVWA customers that have backflow prevention devices installed on their property.
- Manage annual testing requirements including customer notifications.
- Record inspection and test results for all devices.
- Report on test results, customers, surveys etc.



YOURSCVWATER.COM

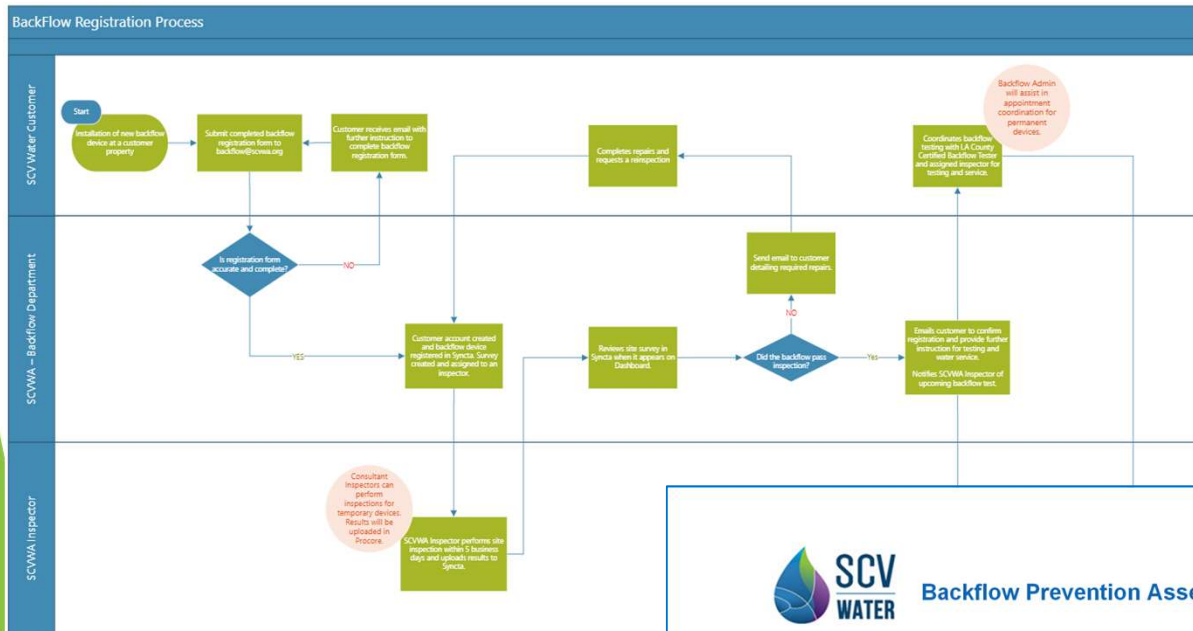


Current Priorities

- **Data cleanup:** Incorrect or outdated customer data in Syncta results in customers not receiving appropriate testing notifications. Efforts are made to verify all customer data and update data in Syncta.
- **Past-due Testing due to COVID-19:** During COVID, some customers fell behind in their testing requirements. SCVWA is assisting customers in catching up with CCCP testing requirements.
- **New Backflow Assembly Registration Process:** We are currently finalizing a new backflow registration process that we hope to include in the SCVWA Spec Book, in Procore for new projects, and on the SCVWA website for all customers.



New Backflow Preventor Assembly Registration Process



SCV WATER CROSS CONNECTION CONTROL DEPARTMENT 28521 Summit Circle, Santa Clarita, CA 91350-3004 (661) 705-7261 | yourscvwater.com

Backflow Prevention Assembly Registration

Customer/Business Name & Information

Customer Name: _____

Service/Property Address: (Number & Street, City, State, Zip Code) _____

Contact Name: _____ Contact Email Address: _____

Mailing Address: (if different from Service Address) _____

Device Information

Location of Device: _____ Date of Install: _____

Type of Service: Commercial Construction/Temp Fire System Device Type: RPZ DCDA

Irrigation Residential Multi-Family Complex DCDA

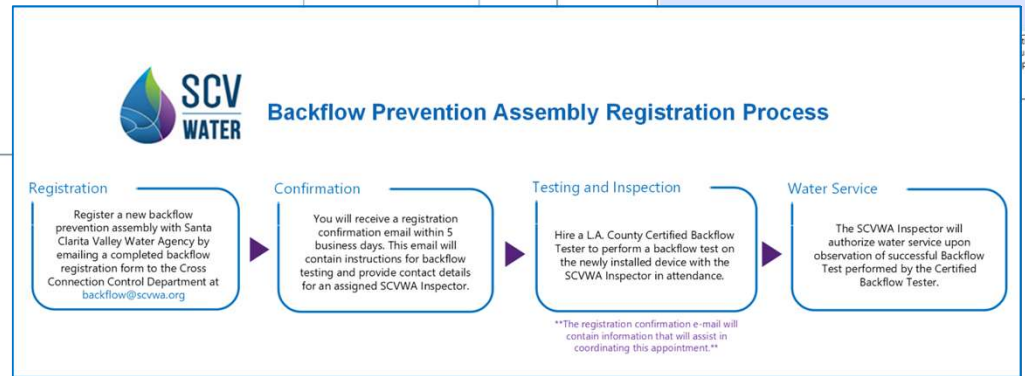
Meter Number: _____

Device Serial Number: _____ Manufacturer: _____

Model Number: _____ Size: _____

Comments: _____

- Internal Workflow
- New Backflow Assembly Registration Form
- Customer Facing Workflow



YOURSCVWATER.COM



Future Project

Final Notice/Service Shut-off Enforcement: Collaborate with operations and customer service to enforce water service shut-off when customers are non-compliant with CCCP.

Challenges

- Data-integrity: Customer information must be current to ensure testing notifications are being received.
- Testing data must be updated in Syncta within one business day of receipt to ensure customers are not receiving shut-off notices when a test result has been submitted.
- Ensure operations has appropriate notice and staffing to enforce shut-offs and subsequent reinstatement of water service.
 - Ex: Fire service shut off has safety considerations and requires coordination with multiple stakeholders including SCVWA, the Fire Department, and the customer.
- Implementation of consistent policy across all departments including customer service, operations, and inspection.
- Clear communication and path to resolution for every customer.
- Customer service conflict resolution.



[This page intentionally left blank.]