



**SCV**  
**WATER**



# SCV WATER AGENCY ENGINEERING AND OPERATIONS COMMITTEE MEETING

**THURSDAY, MARCH 4, 2021**

**START TIME: 5:30 PM (PST)**

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

<https://www.zoomgov.com/j/1610332123>

-Or-

Listen in Toll Free by Phone at 1-(833)-568-8864

Webinar ID: 161 033 2123

**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 Gallo. Refer to the Committee Agenda for more information.

\*For more information on how to use Zoom go to [support.zoom.us](https://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 4:00 PM the day of the meeting will be posted to [yourscvwater.com](https://yourscvwater.com) the next day. Public comments can also be heard the night of the meeting.

**Disclaimer:** Pursuant to the Executive Order N-29-20 issued by Governor Newsom, public may not attend meetings in person. Public may use the above methods to attend and participate in the public meetings.

[This page intentionally left blank.]



**Date:** February 24, 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 *KA*

The **Engineering and Operations Committee** is scheduled to meet via teleconference on **Thursday, March 4, 2021 at 5:30 PM**, dial in information is listed below.

**TELECONFERENCE ONLY  
NO PHYSICAL LOCATION FOR MEETING**

**TELECONFERENCING NOTICE**

Pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 17, 2020, any Director may call into an Agency Committee meeting using the Agency's **Call-In Number 1-833-568-8864, Access Code 161 033 2123** or **Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1610332123>** without otherwise complying with the Brown Act's teleconferencing requirements.

Pursuant to the above Executive Order, the public may not attend the meeting in person. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or 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.

We request that the public submit any comments in writing if practicable, which can be sent to **[egallo@scvwa.org](mailto:egallo@scvwa.org)** or mailed to **Elizabeth Gallo, Executive Assistant**, Santa Clarita Valley Water Agency, 26521 Summit Circle, Santa Clarita, CA 91350. All written comments received before 4:00 PM the day of the meeting will be distributed to the Committee members and posted on the Santa Clarita Valley Water Agency website prior to the meeting. Anything received after 4:00 PM the day of the meeting will be posted on the SCV Water website the following day.

## MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	Public Comments – Members of the public may comment as to items not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so now or at the time each item is considered. (Comments may, at the discretion of the Committee Chair, be limited to three minutes for each speaker.)	
2. *	Recommend Approval of (1) a Resolution for Construction Contract with GSE Construction Company, Inc., (2) a Purchase Order to Kennedy Jenks for Engineering Services During Construction and (3) a Purchase Order to MNS Engineers for Construction Management and Inspection Services for the Valley Center Well PFAS Groundwater Treatment Improvements Project	1
3. *	Recommend Approval of (1) a Resolution Awarding a Construction Contract to Pacific Tank and Construction Inc., with a Condition that Project Complies with the Adopted Supplemental Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, and to Approve the General Manager’s Change Order Authority be Increased to Ten Percent (10%) of the Original Contract Amount, (2) a Work Authorization to Cannon Corporation for Construction Management and Inspection Services, (3) a Work Authorization to Kennedy Jenks for Engineering Construction Support Services and (4) a Work Authorization to Geolabs Westlake Village for Geotechnical Observation and Testing Services	17
4. *	Recommend Approval of a Change Order to the Contract for Newhall Tank 2 Interior Recoat and Repair	39
5. *	Monthly Operations and Production Report	41
6. *	Capital Improvement Projects Construction Status Report	147
7. *	Committee Planning Calendar	149
8.	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
9.	General Report on Engineering Services Section Activities	
10.	Adjournment	
*	Indicates attachments	
◆	To be distributed	

**NOTICES:**

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Elizabeth Gallo, Executive Assistant, at (661) 259-2737, or in writing to Santa Clarita Valley Water Agency at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.

Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at <http://www.yourscvwater.com>.

Posted on February 25, 2021.

M65

[This page intentionally left blank.]



## COMMITTEE MEMORANDUM

**DATE:** February 23, 2021

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Approval of (1) a Resolution for Construction Contract with GSE Construction Company, Inc., (2) a Purchase Order to Kennedy Jenks for Engineering Services During Construction and (3) a Purchase Order to MNS Engineers for Construction Management and Inspection Services for the Valley Center Well PFAS Groundwater Treatment Improvements Project

### SUMMARY

SCV Water is planning to construct treatment improvements to treat per- and polyfluoroalkyl substances (PFAS) at its Valley Center Well. At the October 20, 2020 Board meeting, the material purchase funding was authorized, and the material acquisition is in progress. The site construction work for the Valley Center Well PFAS Groundwater Treatment Improvements project was advertised, and bids have been received. Staff is recommending award of a construction contract to GSE Construction Co., Inc. (GSE). Staff is also recommending approval of a Purchase Order (PO) to Kennedy Jenks (KJ) for engineering services during construction and a PO to MNS Engineers (MNS) for construction management and inspection services.

### DISCUSSION

Valley Center Well is located at 26715 Valley Center Drive. The well was constructed between 2009 and 2010. The well produces 1,200 gallons per minute (gpm) of potable water.

The proposed PFAS treatment uses Ion Exchange technology that will capture and remove PFAS to non-detect limits before entering the distribution system. The site construction work was advertised from November 23, 2020 to February 2, 2021. Staff is recommending award of a construction contract to GSE, and POs to KJ and MNS for engineering services during construction and construction management and inspection services, respectively. The construction bid was advertised in accordance with the SCV Water Purchasing Policy, with notices in The Signal on three different dates and on the Agency's website. On February 2, 2021, the following eight (8) bids were received:

<b>Bidder</b>	<b>Bidder Office Location</b>	<b>Total Bid Price</b>
GSE Construction Co., Inc.	Livermore, CA	\$2,996,800
Bowe Contractors Inc	Lancaster, CA	\$3,098,000
HPS Mechanical, Inc.	Bakersfield, CA	\$3,372,135
PCL Construction, Inc.	Long Beach, CA	\$3,372,150
Pacific Hydrotech Corporation	Perris, CA	\$3,380,523
Integrated Water Services, Inc.	Steamboat Springs, CO	\$3,390,432
Teichert Energy & Utilities Group, Inc.	Long Beach, CA	\$3,648,000
Mehta Mechanical Company Inc.	La Palma, CA	\$6,582,800

The apparent lowest responsive bid is from GSE for a total of \$2,996,800. The engineer's estimate for the project is approximately \$3,000,000. GSE is registered with the Department of Industrial Relations and has constructed projects for the Agency in the past.

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

The proposed action today is authorizing the award of a construction contract to GSE Construction Co., Inc., and approval of a Purchase Order to Kennedy Jenks for engineering services during construction and a Purchase Order to MNS Engineers for construction management and inspection services for PFAS treatment at the Valley Center Well project. The whole of the action also includes operation of the project. The term "Project" in CEQA refers to the whole of an action and to the underlying activity being approved, not to each governmental approval. (CEQA Guideline §15378(a), (c)–(d).) This definition ensures that the action reviewed under CEQA is not the approval itself but the development or other activities that will result from the approval.

The project construction is a minor alteration limited to construction within the Agency's existing facility property. Construction and operation of this project is found to be categorically exempt under the provisions of CEQA and the State CEQA Guidelines as described below:

- The project, aka the whole of the action, qualifies for an exemption under CEQA guidelines section 15301 Class 1 Minor Alterations to Existing Facilities because it is a minor alteration of an existing public facility and it concerns proposed new 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.
- 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 project construction is limited to construction within SCV Water's existing facility property.
- None of the exceptions listed in Section 15300.2 of the CEQA Guidelines would apply to the action. In particular, a biological resources survey was conducted, and no special status species were observed. Based on discharge rate and duration, the well discharge will not create flowing water in the river sufficient to reach the closest unarmored three spine stickleback occupied habitat downstream. This finding is supported by the biological resources assessment prepared for the project.

## **FINANCIAL CONSIDERATIONS**

The project is included in SCV Water's FY 2020/21 Capital Improvement Program Budget for the Valley Center Well PFAS Groundwater Treatment Improvements project. Currently, \$376,000 has been expended on this project. The project's total estimated cost, including planning, design, construction management, construction, inspection and miscellaneous costs, is \$5,387,000. GSE Construction Co., Inc.'s bid is \$2,996,800.

The retail debt cap is \$11,047,000 and the estimated PFAS expenses for all of the PFAS projects are approximately \$9.2 million, which will be paid from 2020A bond funds. Any PFAS costs that exceed \$11,047,000 will be billed to each of the retail divisions' pay-go accounts.



## **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors (1) approve the attached resolution for a construction contract with GSE Construction Co., Inc. in an amount not to exceed \$2,996,800, (2) authorize the General Manager to execute a purchase order with Kennedy Jenks for an amount not to exceed \$300,000 for engineering services during construction and (3) authorize the General Manager to execute a purchase order with MNS Engineers for an amount not to exceed \$450,000 for construction management and inspection services for the Valley Center Well PFAS Groundwater Treatment Improvements Project.

Attachments

M65

[This page intentionally left blank.]

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

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY  
AWARDING A CONTRACT TO GSE CONSTRUCTION CO., INC. FOR THE  
VALLEY CENTER WELL PFAS GROUNDWATER TREATMENT  
IMPROVEMENTS 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 Valley Center Well PFAS Groundwater Treatment Improvements Project is an important component to treat PFAS; and

**WHEREAS**, SCV Water, as a CEQA Responsible Agency, filed a Notice of Exemption with the Los Angeles County Clerk's Office and the State Clearinghouse on August 10, 2020 and there are no substantial changes to the project; and

**WHEREAS**, the project, aka the whole of the action, qualifies for an exemption under CEQA guidelines section 15301 Class 1 Minor Alterations to Existing Facilities because it is a minor alteration of an existing public facility and it concerns proposed 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 project construction is limited to construction within SCV Water's existing facility property; and

**WHEREAS**, none of the exceptions listed in Section 15300.2 of the CEQA Guidelines would apply to the action. In particular, a biological resources survey was conducted, and no special status species were observed. Based on discharge rate and duration, the well discharge will not create flowing water in the river sufficient to reach the closest unarmored three spine stickleback occupied habitat downstream. This finding is supported by the biological resources assessment prepared for the project; 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. 200602F) for the construction of the Valley Center Well PFAS Groundwater Treatment Improvements Project, as amended by Addenda, were publicly opened electronically on the Agency's bid website page on PlanetBids on Tuesday, February 2, 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 GSE Construction Co., Inc. in the amount of \$2,996,800 is the lowest

responsible bid of eight (8) bids submitted, and that said bid substantially meets the requirements of said construction 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 \$2,996,800 bid from GSE Construction Co., Inc.; 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 authorize a Purchase Order in the amount of \$300,000 to Kennedy Jenks for Engineering Services During Construction; 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 authorize a Purchase Order in the amount of \$450,000 to MNS Engineers for Construction Management and Inspection Services; and

**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 Engineer to issue a Notice of Award to GSE Construction Co., Inc., hereby found to be the "lowest responsible bidder" for the Valley Center Well PFAS Groundwater Treatment Improvements Project for the total sum of \$2,996,800.

**RESOLVED FURTHER** that the Agency's Board of Directors does authorize its General Manager to authorize a Purchase Order in the amount of \$300,000 to Kennedy Jenks for Engineering Services During Construction.

**RESOLVED FURTHER** that the Agency's Board of Directors does authorize its General Manager to authorize a Purchase Order in the amounts of \$450,000 to MNS Engineers for Construction Management and Inspection Services.

**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 GSE Construction Co., 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 Engineer are thereafter authorized to execute and forward to GSE Construction Co., Inc. an appropriate Notice to Proceed.

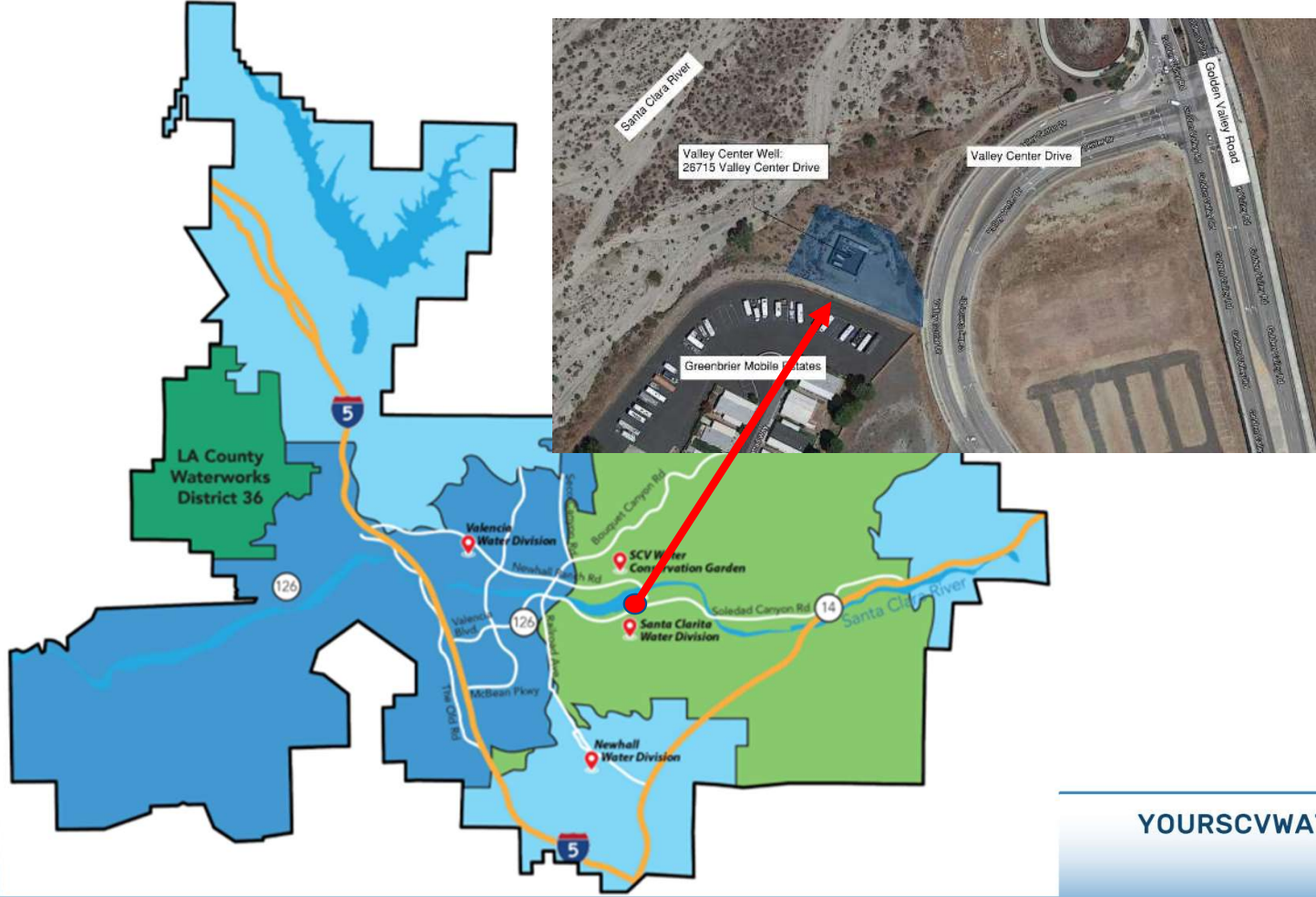


March 4, 2021

# Valley Center Well PFAS Groundwater Treatment Site Construction Project

Engineering and Operations  
Committee Meeting

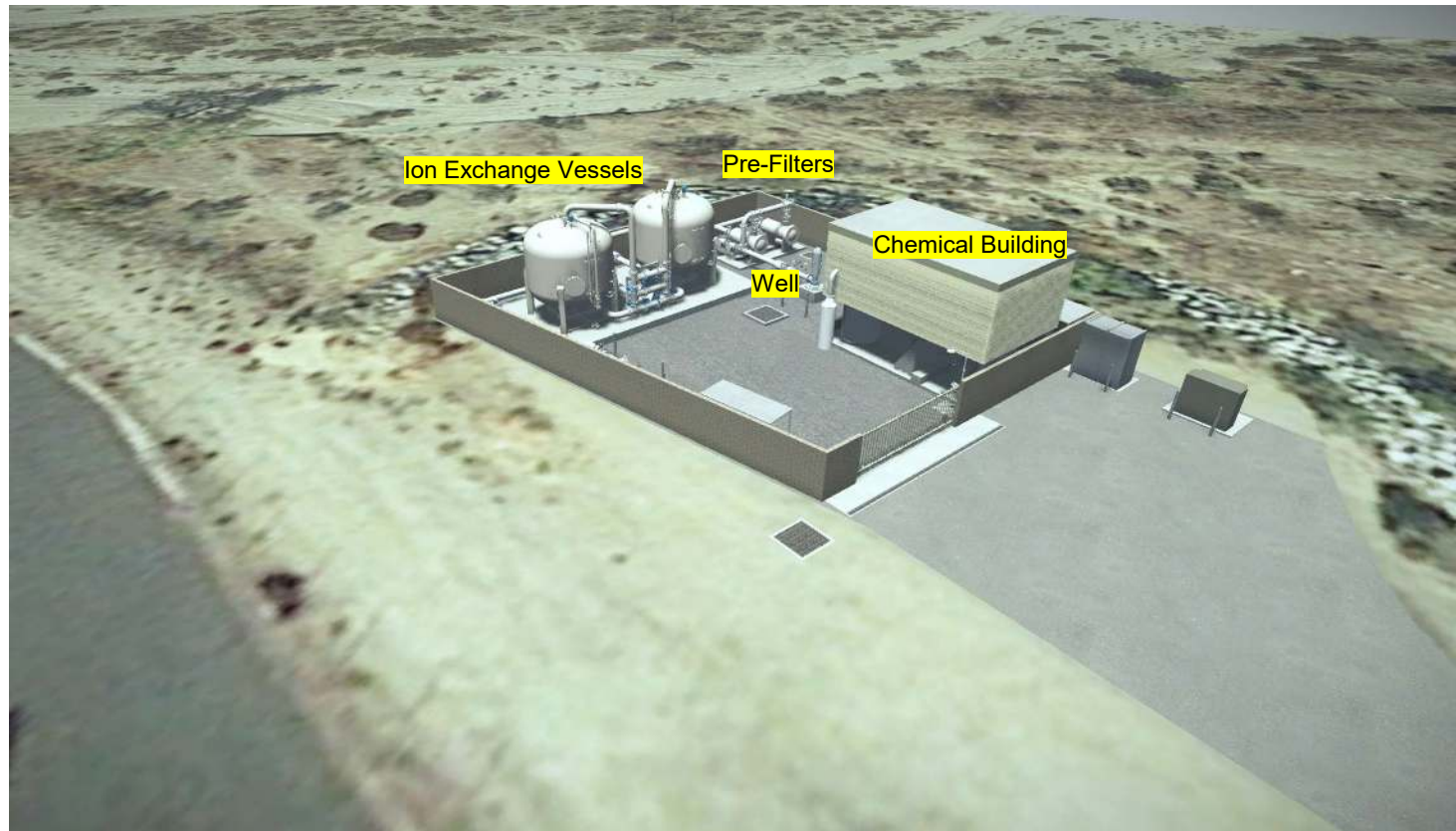
# Valley Center Well PFAS Groundwater Treatment Project Location Map



[YOURSCVWATER.COM](http://YOURSCVWATER.COM)



# Valley Center Well PFAS Groundwater Treatment Project 3-D Rendering



YOURSCVWATER.COM



# Valley Center Well PFAS Groundwater Treatment Project Site Construction

- Staff advertised project on PlanetBids from November 23, 2020 to February 2, 2021
- Project was advertised in The Signal on December 1<sup>st</sup>, 5<sup>th</sup> and 9<sup>th</sup>
- Bids were electronically opened on February 2, 2021

Bidder	Bidder Office Location	Total Bid Price
GSE Construction Co., Inc.	Livermore, CA	\$ 2,996,800
Bowe Contractors, Inc.	Lancaster, CA	\$ 3,098,000
HPS Mechanical, Inc.	Bakersfield, CA	\$ 3,372,135
PCL Construction, Inc.	Long Beach, CA	\$ 3,372,150
Pacific Hydrotech Corporation	Perris, CA	\$ 3,380,523
Integrated Water Services, Inc.	Steamboat Springs, CO	\$ 3,390,432
Teichert Energy & Utilities Group, Inc.	Long Beach, CA	\$ 3,648,000
Mehta Mechanical Company, Inc.	La Palma, CA	\$ 6,582,800

\*Engineer's Estimate \$3,000,000





# Valley Center Well PFAS Groundwater Treatment Project

## Site Construction

### Kennedy Jenks Proposal

#### Engineering Services During Construction:

Pre-construction and progress meetings	\$26,000
Project Management (monthly progress updates)	\$43,000
Submittals, Site Visits, RFI's, etc.	\$211,000
<u>Project Closeout and Record Drawings</u>	<u>\$20,000</u>
Total	\$300,000

**Total Recommended Time and Materials Not to Exceed Budget: \$300,000**



# Valley Center Well PFAS Groundwater Treatment Project Site Construction MNS Engineers Proposal

## Construction Management Services:

Construction Management and Inspection Services	\$400,000
<u>Material Testing (optional) and Other Direct Costs</u>	<u>\$50,000</u>
Subtotal	\$450,000

**Total Recommended Time and Materials Not to Exceed Budget: \$450,000**



# Valley Center Well PFAS Groundwater Treatment Project Site Construction Project Schedule

- Construction Award Phase:
  - ✓ March 4, 2021: Engineering & Operations Committee
  - ✓ March 16, 2021: Board Meeting
- Construction Phase:
  - ✓ April 2021: Issue a Notice to Proceed
  - ✓ April 2021 - January 2022: Construction (270 calendar days)
- Resin Purchase Phase:
  - ✓ July 2021: Engineering & Operations Committee
  - ✓ August 2021: Board Meeting



# Valley Center Well PFAS Groundwater Treatment Project Site Construction Project Recommendation

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

1. Adopt the resolution awarding a contract to GSE Construction Co., Inc. for the Valley Center Well PFAS Groundwater Treatment Project for \$2,996,800
2. Authorize the General Manager to execute a purchase order for engineering services during construction with Kennedy Jenks for an amount not to exceed \$300,000
3. Authorize the General Manager to execute a purchase order for construction management and inspection services with MNS Engineers for an amount not to exceed \$450,000



# Questions

---

[YOURSCVWATER.COM](http://YOURSCVWATER.COM)



[This page intentionally left blank.]



## COMMITTEE MEMORANDUM

**DATE:** February 23, 2021

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Approval of (1) a Resolution Awarding a Construction Contract to Pacific Tank and Construction Inc., with a Condition that Project Complies with the Adopted Supplemental Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, and to Approve the General Manager's Change Order Authority be Increased to Ten Percent (10%) of the Original Contract Amount, (2) a Work Authorization to Cannon Corporation for Construction Management and Inspection Services, (3) a Work Authorization to Kennedy Jenks for Engineering Construction Support Services and (4) a Work Authorization to Geolabs Westlake Village for Geotechnical Observation and Testing Services

---

### SUMMARY

To commence construction of the Vista Canyon (Phase 2B) Recycled Water Tank project, staff recommends approval of:

- 1) A resolution awarding a construction contract to Pacific Tank and Construction Inc., in the amount of \$3,906,870 with a condition that the project complies with the adopted supplemental Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, and to approve the General Manager's change order authority be increased to ten percent (10%) of the original contract amount, as provided for in SCV Water Purchasing Policy.
- 2) A work authorization to Cannon Corporation for construction management, inspection services, and material testing, in the amount of \$496,015.
- 3) A work authorization to Kennedy Jenks for engineering construction support services, in the amount of \$126,000.
- 4) A work authorization to Geolabs Westlake Village for geotechnical observation and testing services, in the amount of \$106,000.

### DISCUSSION

The Phase 2B project will provide recycled water to the east side of SCV Water's service area by using surplus recycled water that will be available from the new water reclamation plant (termed The Water Factory) that was recently constructed as part of the Vista Canyon development. The proposed Phase 2B recycled water system comprises a network of recycled water distribution pipelines that extend from the Water Factory to irrigation water users within the Vista Canyon and Fair Oaks Ranch communities; and recycled water tanks

that are necessary for operational storage. The distribution pipelines are currently in construction under a separate contract and are not a part of this approval action.

The Phase 2B recycled water tank project consists of constructing two 500,000-gallon recycled water welded-steel tanks on a re-graded pad site next to the Cherry Willow potable water tank site, including onsite piping, utilities, site improvements, and appurtenances. The project will also include a 15-foot-high berm to minimize visual impacts to the residents along Cherry Willow Drive below, and the extension of the recycled water distribution pipeline along the existing tank access road.

SCV Water advertised the recycled water tank project for public construction bidding on January 8, 2021 in accordance with SCV Water Purchasing Policy. Five (5) bids were received electronically on February 10, 2021 and are shown below.

<b>Bidder</b>	<b>Total Bid Price</b>
Pacific Tank & Construction, Inc.	\$ 3,906,870.00
Metro Builders & Engineering Group, Ltd.	\$ 4,298,338.00
Bowe Contractors, Inc.	\$ 4,806,616.50
Paso Robles Tank, Inc.	\$ 4,985,616.00
Myers & Sons, Inc.	\$ 5,151,000.00

Upon review of the bids for completeness and compliance with the bid and contract requirements, staff recommends award of the construction contract to Pacific Tank & Construction, Inc. as the lowest responsible bidder, for a total of \$3,906,870.00. The engineer's estimate for the project is \$3,960,000. Pacific Tank & Construction, Inc. is licensed as a Class A General Engineering and C33 Contractor in California and is registered with the Department of Industrial Relations.

A bid protest was received from the 2<sup>nd</sup> lowest bidder, Metro Builders & Engineering Group, Ltd., claiming that Pacific Tank and Construction, Inc., the lowest bidder, neglected to submit a notary acknowledgement with the Bid Bond and Non-Collusion Affidavit that are required to be executed by all bidding contractors. As recommended by legal counsel, SCV Water denied the bid protest based on the following: Staff confirmed that an executed bid bond and notary acknowledgement was in fact received by our office prior to the bid opening date, and a notary acknowledgement for the non-collusion affidavit is not required by Public Contract Code 7106. A copy of the bid protest rejection letter is attached. Furthermore, Metro Builders & Engineering Group's own bid is not responsive and not eligible for award of the contract.

SCV Water Issued a Request for Proposal to seven (7) on-call engineering consultants to provide construction management, inspection, and material testing services. Proposals were received from three (3) engineering firms. An internal consultant selection committee reviewed and scored the proposals based on project approach, qualifications, schedule, and team members. Staff recommends that Cannon Corporation, with the highest score, be awarded a work authorization to provide construction management, inspection, and material testing services in the amount of \$496,015.

Staff received a proposal from Kennedy Jenks, the engineer of record and design consultant, to provide engineering construction support services in the amount of \$126,000. The scope of services will include submittal review, attending construction meetings, site visits, assistance in responding to requests for information and/or change orders, and preparing record drawings.



Staff received a proposal from Geolabs Westlake Village, the geotechnical engineer of record, to provide geotechnical observation and testing services during construction of the tanks for up to \$106,000. The scope of services will include daily observation during grading activities, testing and reporting of excavations, grading, and compaction of the tank pad and surrounding slopes.

The Agency's Purchasing Policy allows the General Manager to approve change orders up to four percent (4%) of the original contract amount, however, the Board may authorize a different change order authority on a project specific basis. Since this project must meet a December 31, 2021 deadline to qualify for grant funding, there will be limited time for change order processing and approvals. Accordingly, staff recommends that the General Manager's change order authority be increased to ten percent (10%) of the original contract amount for this Phase 2B tank project. Staff will brief the Engineering and Operations Committee and Board of all final approved change orders in accordance with SCV Water Purchasing Policy.

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

The Castaic Lake Water Agency's Board of Directors adopted the Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP) for the Phase 2B project, including the proposed pipelines, by Resolution 3211 on November 20, 2017. CLWA filed the Notice of Determination with the Los Angeles County Clerk's Office and the State Clearinghouse on February 9, 2018.

On February 4, 2021, The Santa Clarita Valley Water Agency's Engineering and Operations Committee reviewed staff's recommendation to adopt the project's supplemental Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program and recommended that a resolution to adopt the Supplemental MND and MMRP be placed on the March 2, 2021 agenda for consideration by the SCV Water Board of Directors.

### **FINANCIAL CONSIDERATIONS**

Funding for the Phase 2B project is included in the Agency's FY2020/21 Capital Improvement Project Budget. The CIP budget includes \$6,912,000 for the Phase 2B recycled water tanks and backbone portion of the recycled water pipeline. The total tank and backbone pipeline project cost is estimated to be \$6,584,557, including a 10% contingency allotment for potential change orders. The project is expected to receive \$2,710,300 in grant funds from the Department of Water Resources.

### **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors approve (1) the attached resolution awarding a construction contract to Pacific Tank and Construction Inc., in the amount of \$3,906,870, with a condition that project complies with the adopted supplemental Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, and to approve the General Manager's change order authority be increased to ten percent (10%) of the original contract amount, (2) a work authorization to Cannon Corporation for construction management, inspection services, and material testing, in the amount of \$496,015, (3) a work authorization to Kennedy Jenks for engineering construction support services, in the amount of \$126,000 and (4) a work authorization to Geolabs Westlake Village for geotechnical observation and testing services, in the amount of \$106,000.

Attachments

M65



February 18, 2021

Mr. Fouad Houalla  
President  
Metro Builders & Engineers Group, Ltd.  
2610 Avon Street  
Newport Beach, CA 92633

**Subject: Response to Bid Protest of February 15, 2021**  
Phase 2B Recycled Water Tanks at Cherry Willow Drive

Dear Mr. Houalla,

SCV Water received your bid protest letter, dated February 15, 2021, and hereby deny your bid protest request for the following reasons:

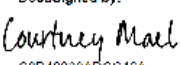
1. In accordance with the subject project contract documents, a bid bond with a notary acknowledgement was received in our office from Pacific Tank and Construction, Inc. and opened in our office at 2:00 pm on February 10, 2021. A Copy is enclosed for reference.
2. Any failure to submit a notary acknowledgment with the non-collusion affidavit is an immaterial and inconsequential defect that the Agency may waive in its discretion. Under well-settled law, "the absence of only one signature in an otherwise complete bid should be waivable by the public entity." (*Menefee v. County of Fresno* (1985) 163 Cal.App.3d 1175, 1179.) The *Menefee* case contains a substantially similar issue to the one raised in your protest: it involved a non-collusion affidavit that was not signed. In the court's words, the argument the bid was invalid "will not fly," and "there is no reason why the requirement cannot be waived." (See p. 1181.) Here, the only issue is lack of a notary signature on the affidavit, which is a requirement of the bid documents but is not otherwise required by law and can be waived. The affidavit meets all of the requirements of Public Contract Code section 7106.

Phase 2B Recycled Water Tanks at Cherry Willow Drive  
Response to Bid Protest  
February 18, 2021  
Page 2

Additionally, Metro Builders has no standing to protest the low bid because Metro's own bid is not responsive and not eligible for award of the contract. The Instruction to Bidders states that "Bidders should be aware that the AGENCY has established the following responsiveness criteria and shall be required to complete the related bid form demonstrating that they can meet the following criteria: The Contractor shall have completed at least two (2) similar projects between January 1, 2014 and December 1, 2020." Metro Builder's bid form does not show that Metro has completed two similar projects constructing large welded steel reservoir/tank projects.

Furthermore, the bid specifications issued as Addendum No. 5, require that the coating contractor shall have a C-33 license, and Metro's bid does not indicate that Metro or any of its listed subcontractors has this license. Therefore, Metro builders & Engineering Group, Ltd., failed to submit a responsive bid and would not have grounds to pursue its protest.

Sincerely,

DocuSigned by:  2/18/2021  
C8D40820ADC46A...

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

BID BOND

[Note: Not required when other form of Bidder's Security, e.g. certified check or cashier's check, accompanies bid.]

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, Pacific Tank & Construction, Inc. (hereinafter called the "Principal") has submitted its Bid dated February 10th, 2021, for construction of the **RECYCLED WATER TANKS AT CHERRY WILLOW DRIVE (PHASE 2B)** to the Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Road, Santa Clarita, California 91350 (hereinafter called "Obligee"), the Bid, by reference thereto; being hereby made a part hereof.

NOW THEREFORE, we Principal, Pacific Tank & Construction, Inc. and The Ohio Casualty Insurance Company a corporation duly organized under the laws of the State of New Hampshire having its principal place of business at 175 Berkeley Street, Boston 02116 in the State of Massachusetts and admitted to conduct surety business in the State of California, (hereinafter called the "Surety"), are held and firmly bound unto the Obligee, on order, in the sum of \$ Ten Percent of the Total Amount Bid Dollars, (\$ 10%) [being at least ten percent (10%) of the total amount of Principal's bid price] lawful money of the United States, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

If Principal's Bid is rejected or, in the alternate, if the Bid is accepted and the Principal signs and delivers a Contract and furnishes evidence of insurance and Performance Bond and Payment Bond, all in the Form and within the time requested by the Contract Documents, then this obligation shall become null and void, otherwise the same shall remain in full force and effect and upon default of the Principal shall be forfeited to the Obligee, it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal shall be the amount of this obligation as herein stated, as liquidated damages.

The Surety, for value received, hereby agrees that the obligations of Surety and its bond shall not be impaired or affected by any extension of the time within which the Obligee may accept the bond, and the Surety hereby waives notice of any such extension.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay, in addition to the sum set forth above, all costs incurred by the Obligee in such suit, including reasonable attorney's fees and expert witness fees, to be fixed by the court, in addition to the penal sum of the Bond.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their several seals this 5th day of February, 2021, the name and corporate seal of each corporation.

(Corporate Seal)

Pacific Tank & Construction, Inc.  
Contractor/Principal

By [Signature] JAMES JEFFERS  
Title VICE PRESIDENT

(Corporate Seal)

The Ohio Casualty Insurance Company  
Surety

By [Signature]  
Attorney-in-Fact

(Attach Attorney-in-Fact Certificate)

Title David B. Sandiford - Attorney-in-Fact

**Note: Signature of person executing for Surety must be notarized and evidence of corporate authority attached. An original Power-of-Attorney authorizing the person signing on behalf of the Surety to do so must be attached hereto.**

The rate of premium on this bond is -0- per thousand. The total amount of premium charges, \$ -0-. (There is no premium charge for bid bonds.)  
(The above must be filled in by corporate attorney.)

THE FOLLOWING INFORMATION IS MANDATORY

Any claims under this bond may be addressed to:

(Name and Address of Surety) Liberty Mutual Surety - The Ohio Casualty Insurance Company  
P.O. Box 34526 - Attn: LMS Claims  
Seattle, WA 98124

(Name and Address of Agent or Representative for service of process in California, if different from above) CSC  
2710 Gateway Oaks Drive, Suite 150N  
Sacramento, CA 95833

(Telephone number of Surety and Agent or Representative for service of process in California) Surety - 610-832-8240 - Agent for Service - 916-641-5100

# CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Orange }

On February 5th, 2021 before me, Rosemarie Geiger  
(Here insert name and title of officer)

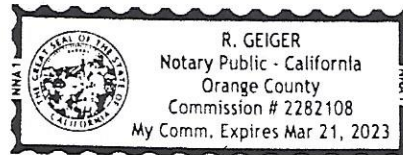
personally appeared David B. Sandiford,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose  
name(s) is/are subscribed to the within instrument and acknowledged to me that  
he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by  
his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of  
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that  
the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

R. Geiger  
Notary Public Signature

(Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT  
\_\_\_\_\_  
(Title or description of attached document)  
\_\_\_\_\_  
(Title or description of attached document continued)  
Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

CAPACITY CLAIMED BY THE SIGNER  
 Individual (s)  
 Corporate Officer  
\_\_\_\_\_  
(Title)  
 Partner(s)  
 Attorney-in-Fact  
 Trustee(s)  
 Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is/are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8197924-971922

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, \*\*\*\*\*
\*David B. Sandiford\*\*\*\*\*

all of the city of Arcadia state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 8th day of November, 2018.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 8th day of November, 2018 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 5th day of February, 2021.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



**RESOLUTION NO. SCV-XXX**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY  
AWARDING A CONSTRUCTION CONTRACT TO  
PACIFIC TANK AND CONSTRUCTION, INC. FOR THE  
PHASE 2B RECYCLED WATER TANKS AT CHERRY WILLOW DRIVE PROJECT**

**WHEREAS**, Santa Clarita Valley Water Agency (Agency) determined that recycled water is an important component of future water supplies; and

**WHEREAS**, the Phase 2B Recycled Water Tanks at Cherry Willow Drive project is a component of the Recycled Water Master Plan; and

**WHEREAS**, the Phase 2B Recycled Water Tanks at Cherry Willow Drive project is a collaborative project between the Regional Division (Regional) and the Santa Clarita Water Division (SCWD); and

**WHEREAS**, on November 20, 2017, the Castaic Lake Water Agency's Board of Directors adopted the Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP) for the Vista Canyon Recycled Water (Phase 2B) project by Resolution 3211; and

**WHEREAS**, on March 2, 2021, the Santa Clarita Valley Water Agency's Board of Directors adopted the Supplemental Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP) for the Vista Canyon Recycled Water (Phase 2B) project by Resolution; and

**WHEREAS**, all bid proposals submitted to the Agency pursuant to the Agency's Contract Documents (Project No. S16-702) for the construction of the Phase 2B Recycled Water Tanks at Cherry Willow Drive project, as amended by Addenda, were received electronically and reviewed by Agency staff on Wednesday, February 10, 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 Pacific Tank and Construction, Inc., in the amount of \$3,906,870 is the lowest responsible bid of five bids submitted, and that said bid substantially meets the requirements of said construction 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 \$3,906,870 bid; and

**WHEREAS**, SCV Water's current Purchasing Policy allows the General Manager to approve change orders up to four percent (4%) of the original contract amount; and it is in the Agency's best interest to hereby authorize the General Manager's change order authority to be increased to ten percent (10%) of the original contract amount for the Phase 2B Recycled Water Tanks at Cherry Willow Drive project, as provided for in SCV Water's Purchasing Policy on a project-specific basis.

**NOW, THEREFORE, BE IT RESOLVED** that the Agency's Board of Directors does authorize its General Manager to waive all defects and accept said low bid and does therefore authorize the Agency's General Manager or its Chief Engineer to issue a Notice of Award to Pacific Tank and Construction, Inc., hereby found to be the "lowest responsible bidder" for the Phase 2B Recycled Water Tanks at Cherry Willow Drive for the total sum of \$3,906,870.

**RESOLVED FURTHER** that the Agency's General Manager or its President and Secretary are thereupon authorized, upon receipt of appropriate payment and performance bonds, appropriate certificates of insurance and an executed Contract Agreement from Pacific Tank and Construction, 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 Engineer are thereafter authorized to execute and forward to Pacific Tank and Construction, Inc. an appropriate Notice to Proceed.

**RESOLVED FURTHER** that the Agency's Board of Directors does hereby approve the General Manager's change order authority be increased to ten percent (10%) of the original contract amount for the Phase 2B Recycled Water Tanks at Cherry Willow Drive project as provided for in the SCV Water Purchasing Policy on a project-specific basis.

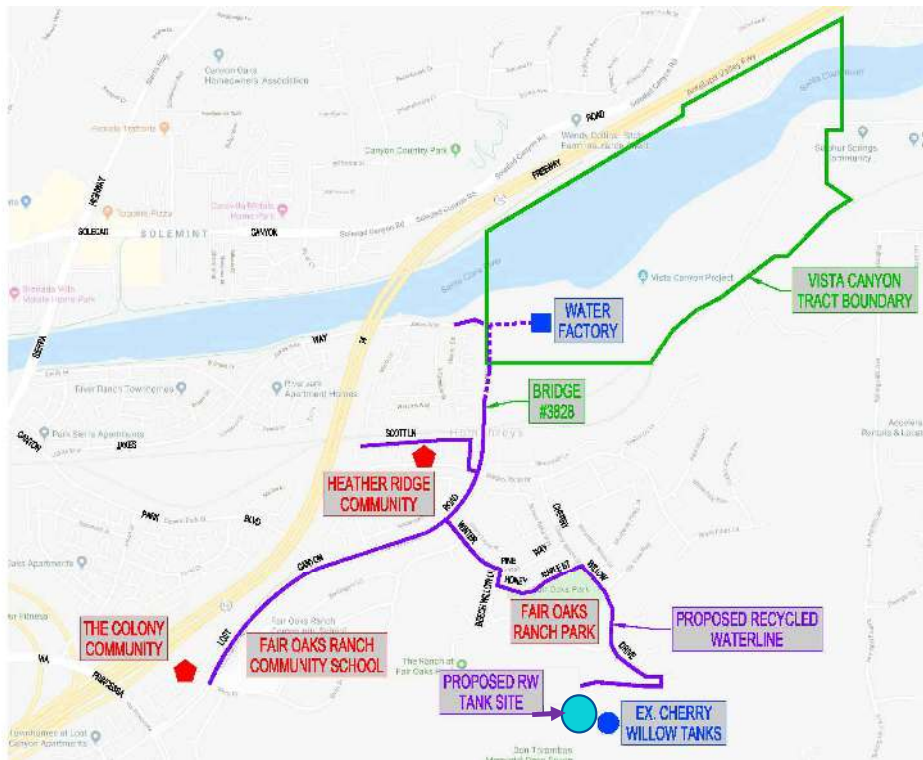


March 4, 2021

# Vista Canyon Recycled Water (Phase 2B) Tank

Engineering and Operations  
Committee Meeting

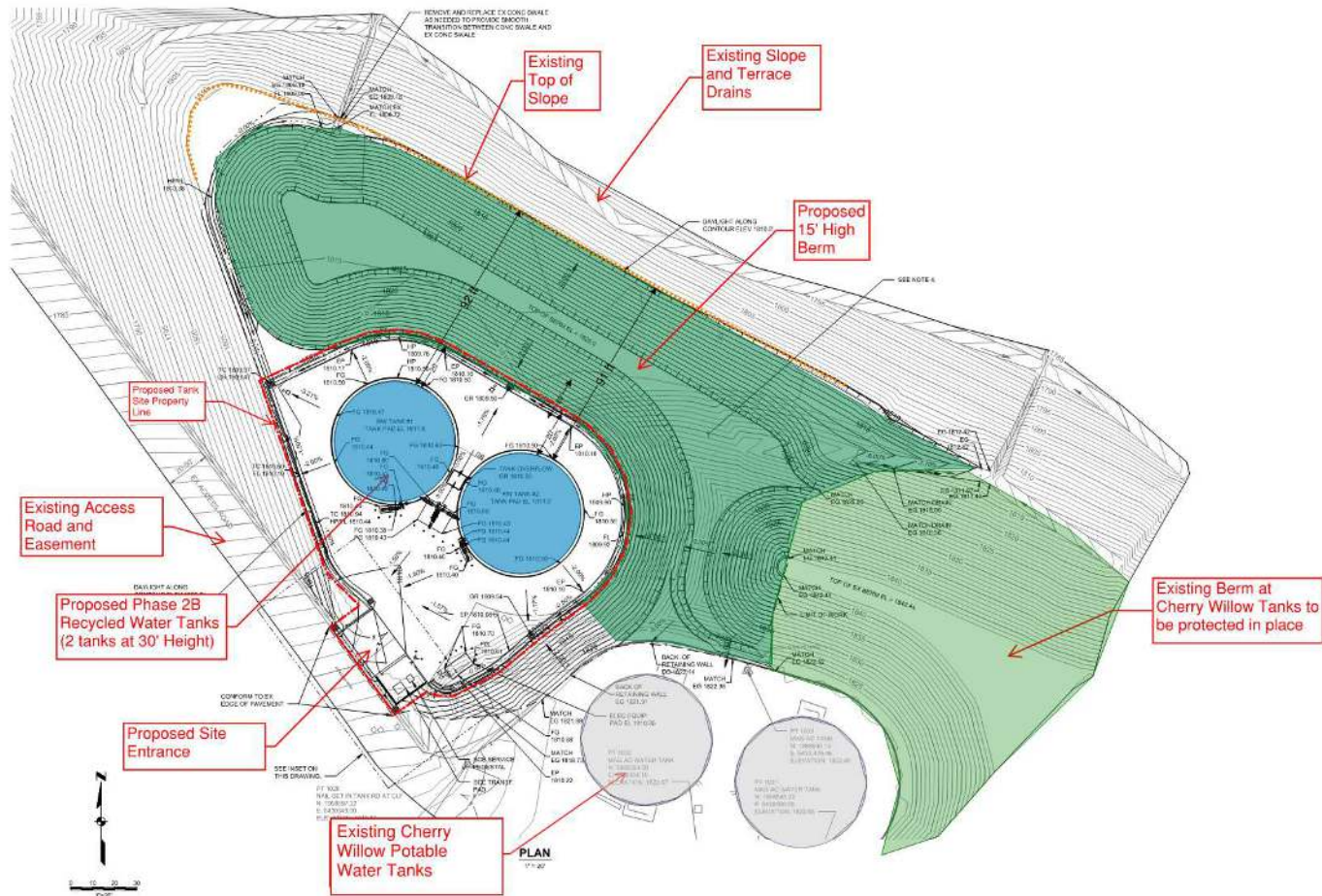
# Overview of the Vista Canyon (Phase 2B) Recycled Water Project



- Vista Canyon Water Factory will supply recycled water to irrigation customers in the Fair Oaks and Vista Canyon Communities
- Recycled Water Pipelines are currently in construction under separate contract
- Tanks provide recycled water storage to be used for peak demands and to maintain system pressure to irrigation customers.



# Proposed Ph2B Recycled Water Tanks



- Two 0.5 MG Recycled Water tanks
- 15' earth berm along north side
- Recycled water pipeline extension along access road



# Recycled Water (Phase 2B) Tank Project Bid Opening

- Staff advertised project on PlanetBids from January 8, 2021 to February 10, 2021
- Bids were electronically opened on February 10, 2021

Bidder	Total Bid Price
Pacific Tank & Construction, Inc.	\$3,906,870
Metro Builders & Engineering Group, Ltd	\$4,298,338
Bowe Contractors, Inc.	\$4,806,616
Paso Robles Tank, Inc	\$4,985,616
Myers & Sons, Inc.	\$5,151,000

\*Engineer's Estimate: \$3,960,000



# Recycled Water (Phase 2B) Tank Project Construction Management & Engineering Services Proposals

	<u>Not to Exceed Amount</u>
• <b>Construction Management, Inspection and Material Testing:</b> <i>Cannon Corporation</i>	<b>\$496,015</b>
• <b>Geotechnical Observation and Testing:</b> <i>Geolabs Westlake Village (GE of Record)</i>	<b>\$106,000</b>
<b>Engineering Construction Support Services:</b> <i>Kennedy Jenks (Engineer of Record)</i>	<b>\$126,000</b>



# Recycled Water (Phase 2B) Tank Project Schedule

- Supplemental MND Timeline
  - Board of Directors Considers Adoption - March 2, 2021
- Prop 84 Grant Timeline
  - Tank Construction must be operational by **December 31, 2021** to receive the full grant reimbursement of \$2,706,600
- Construction Award Timeline
  - Engineering & Operations Committee Approval - March 4, 2021
  - Board of Director's Approval - March 16, 2021
  - Issue a Notice to Proceed - April 12, 2021
  - Substantial Completion - November 19, 2021





# Recycled Water (Phase 2B) Tank Project Budget

Category	Estimated Costs
Final Engineering Services	\$535,000
RW Backbone Pipeline Construction	\$1,000,000
RW Tank Construction	\$3,906,870
10% Change Order Contingency	\$390,687
Construction Management	\$752,000
<b>TOTAL ESTIMATED COST</b>	<b>\$6,584,557</b>

- Tank and Backbone Pipeline CIP Budget: \$6,912,000
- Prop 84 Grant Funds ~ \$2.7 million



# Recycled Water (Phase 2B) Tank Project Project Project Recommendation

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

1. A resolution awarding a construction contract to Pacific Tank and Construction, Inc., in the amount of \$3,906,870, with a condition that project complies with the adopted supplemental Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, and to approve the General Manager's change order authority be increased to ten percent (10%) of the original contract amount for this project, as provided for in SCV Water Purchasing Policy.
2. A work authorization to Cannon Corporation for construction management, inspection services, and material testing, in the amount of \$496,015.
3. A work authorization to Kennedy Jenks for engineering construction support services, in the amount of \$126,000.
4. A work authorization to Geolabs Westlake Village for geotechnical observation and testing services, in the amount of \$106,000.



# Questions?

---

[YOURSCVWATER.COM](http://YOURSCVWATER.COM)



[This page intentionally left blank.]



# COMMITTEE MEMORANDUM

**DATE:** February 22, 2021

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Approval of a Change Order to the Contract for Newhall Tank 2 Interior Recoat and Repair

---

**SUMMARY**

On November 17, 2020, the Santa Clarita Valley Water Agency Board of Directors adopted a resolution awarding a contract to Simpson Sandblasting & Special Coatings for the Newhall Tank 2 Interior Recoat and Repair project. Additional work beyond the original contract documents is required because of unforeseen conditions. To date, there have not been any change orders issued under the General Manager’s authority. SCV Water’s (Agency) Purchasing Policy requires Board authorization for change orders over four percent (4%) of the original contract amount. This change order request is approximately fifteen percent 15% over the original contract amount. Staff is recommending approval of this change order.

**DISCUSSION**

The original approved contract amount of \$261,000 included interior recoating and some structural repairs to the internal rafters. Simpson Sandblasting & Special Coatings, Inc., has subcontracted the structural repair work to Speiss Construction Co., Inc. Staff also contracted with Cannon Engineering to provide structural design and recommendations. Upon review of the initial dive inspection report and after field visits it was concluded that the rafter repairs would only require additional bracing support.

However, after the tank was taken out of service and drained, it was subjected to a severe windstorm event. After the construction crews remobilized and entered the tank, it was observed that additional rafter damage had occurred. Based on review and documentation from both contractor and structural engineer, it was determined that the additional damage was caused by the high winds. The repeated cycles of wind loads lifting and dropping the roof plates on the joists has caused the joists to move further out of alignment. Therefore, it was concluded that the rafters will now need additional straightening and the additional exposed areas will also require recoating.

Staff has reviewed the proposed additional work with the contractor and structural engineer and finds the proposal acceptable for the additional work that is needed. The change order estimate is \$40,453.68, which equates to approximately 15.5% of the total contract price. This would increase the total project cost to just over \$300,000.

## **FINANCIAL CONSIDERATIONS**

Funding for the Newhall Tank 2 Interior Recoat & Repair project is provided through the CIP budget and is included in the FY2020-21 Budget in the amount of \$500,000.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommend that the Board of Directors authorize the General Manager to execute the change order in the amount of \$40,500 to the original contract amount of \$261,000 for the Newhall Tank 2 Interior Recoat & Repair to Simpson Sandblasting & Special Coatings, Inc.

MBS



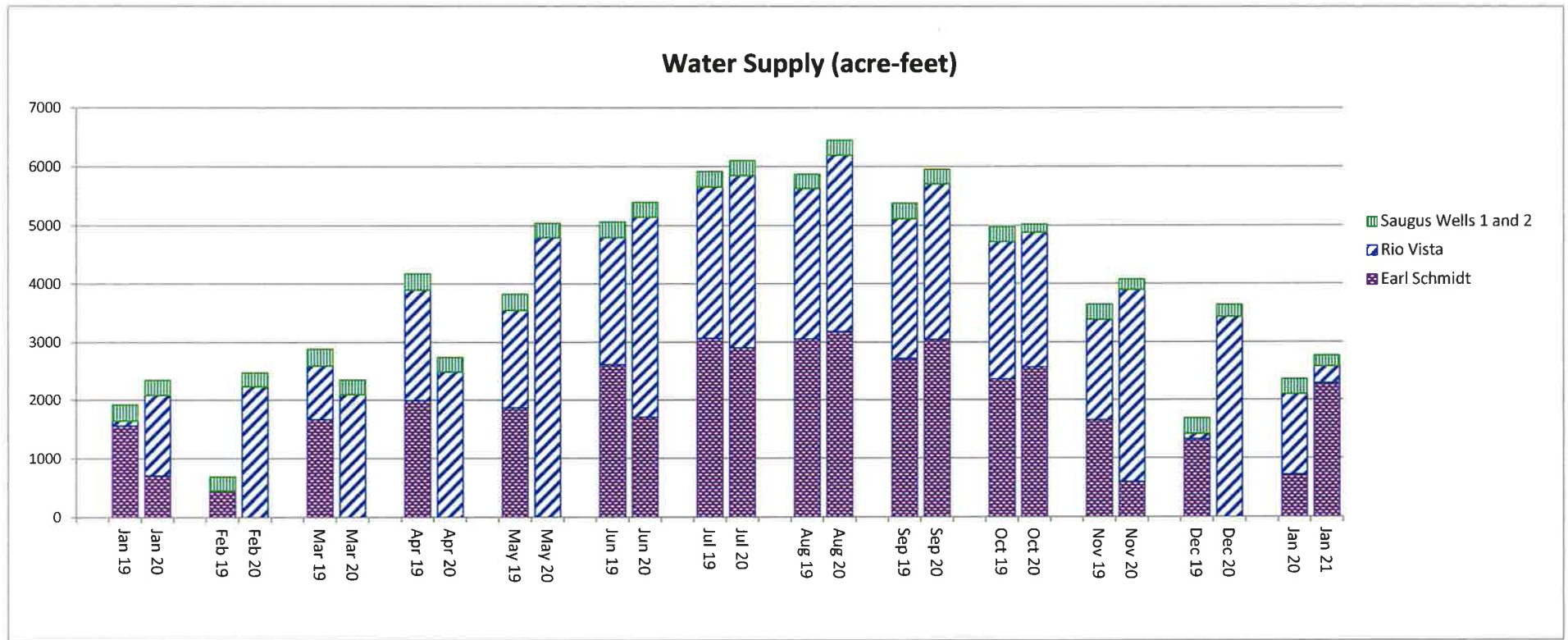
# Monthly Operations & Production Report

January 2021

**[This page intentionally left blank.]**



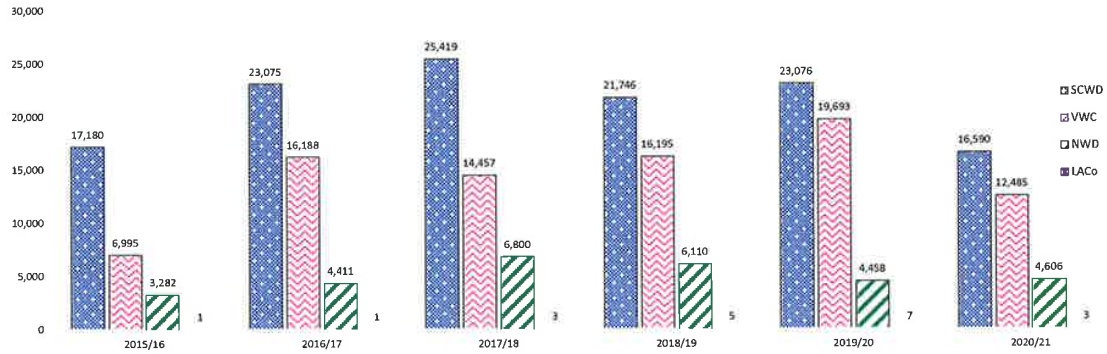
**SANTA CLARITA VALLEY WATER AGENCY**  
January 2021 Regional Operations Report



Source	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Total
Earl Schmidt	708	0	0	0	0	1706	2906	3187	3050	2571	601	0	2289	17018
Rio Vista	1374	2235	2096	2490	4801	3445	2950	3013	2662	2314	3302	3436	292	34410
Saugus 1 and 2	265	243	256	253	249	249	251	252	245	145	176	211	189	2984
<b>Total</b>	<b>2347</b>	<b>2478</b>	<b>2352</b>	<b>2743</b>	<b>5050</b>	<b>5400</b>	<b>6107</b>	<b>6452</b>	<b>5957</b>	<b>5030</b>	<b>4079</b>	<b>3647</b>	<b>2770</b>	<b>54412</b>
<b>Total Sold</b>	<b>2270</b>	<b>2411</b>	<b>2309</b>	<b>2660</b>	<b>5004</b>	<b>5336</b>	<b>6048</b>	<b>6373</b>	<b>5870</b>	<b>4970</b>	<b>4050</b>	<b>3605</b>	<b>2766</b>	<b>53672</b>
RVWTP Use/Storage	31.54	55.91	2.55	49	39	35	22	43.68	31.48	33.8	6.41	42.02	-39.16	353.23
<b>Total Use</b>	<b>2301.54</b>	<b>2466.91</b>	<b>2311.55</b>	<b>2709</b>	<b>5043</b>	<b>5371</b>	<b>6070</b>	<b>6416.68</b>	<b>5901.48</b>	<b>5003.8</b>	<b>4056.41</b>	<b>3647.02</b>	<b>2726.84</b>	<b>54025.23</b>
Water Loss	-1.94%	-0.45%	-1.72%	-1.24%	-0.14%	-0.54%	-0.61%	-0.55%	-0.93%	-0.52%	-0.55%	-0.01%	-1.56%	-0.83%
<b>Recycled Water</b>	<b>Jan-20</b>	<b>Feb-20</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Total</b>
Valencia	10	22	8	22	64	70	76	68	64	18	27	20	16	485

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

### HISTORICAL FY Production 2015-2021



### HISTORICAL FY PRODUCTION 2015-2021

2015/16	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	1,731	1,800	1,616	1,629	1,427	1,180	829	1,060	1,185	1,176	1,612	1,935	17,180
VWC	691	773	583	550	547	364	157	366	412	462	715	1,375	6,995
NCWD	347	373	325	276	239	199	148	195	206	250	319	411	3,282
LACo	0	0	0	0	0	0	0	1	0	0	0	0	1
<b>Total</b>	<b>2,769</b>	<b>2,946</b>	<b>2,524</b>	<b>2,455</b>	<b>2,207</b>	<b>1,743</b>	<b>1,134</b>	<b>1,622</b>	<b>1,803</b>	<b>1,888</b>	<b>2,646</b>	<b>3,721</b>	<b>27,458</b>
<b>Cum. FYTD</b>	<b>2,769</b>	<b>5,715</b>	<b>8,239</b>	<b>10,694</b>	<b>12,901</b>	<b>14,644</b>	<b>15,778</b>	<b>17,400</b>	<b>19,203</b>	<b>21,091</b>	<b>23,737</b>	<b>27,458</b>	
2016/17	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,404	2,683	2,368	2,128	1,712	1,377	952	844	1,359	2,040	2,456	2,772	23,075
VWC	1,585	1,640	1,305	1,060	607	620	643	764	1,123	1,728	2,499	2,614	16,188
NCWD	476	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
<b>Total</b>	<b>4,447</b>	<b>4,770</b>	<b>4,091</b>	<b>3,580</b>	<b>2,612</b>	<b>2,231</b>	<b>1,736</b>	<b>1,716</b>	<b>2,699</b>	<b>4,152</b>	<b>5,559</b>	<b>6,081</b>	<b>43,674</b>
<b>Cum. FYTD</b>	<b>4,447</b>	<b>9,218</b>	<b>13,309</b>	<b>16,888</b>	<b>19,501</b>	<b>21,732</b>	<b>23,467</b>	<b>25,184</b>	<b>27,882</b>	<b>32,034</b>	<b>37,593</b>	<b>43,674</b>	
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	989	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	1,822	14,457
NCWD	785	856	845	801	640	556	253	275	167	349	473	608	6,800
LACo	0	0	0	0	0	0	0	1	0	0	0	0	3
<b>Total</b>	<b>5,958</b>	<b>5,615</b>	<b>4,619</b>	<b>4,522</b>	<b>3,528</b>	<b>3,481</b>	<b>2,684</b>	<b>2,532</b>	<b>1,746</b>	<b>3,414</b>	<b>3,885</b>	<b>4,695</b>	<b>46,680</b>
<b>Cum. FYTD</b>	<b>5,958</b>	<b>11,573</b>	<b>16,192</b>	<b>20,714</b>	<b>24,242</b>	<b>27,723</b>	<b>30,407</b>	<b>32,939</b>	<b>34,685</b>	<b>38,099</b>	<b>41,984</b>	<b>46,680</b>	
2018/19	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,684	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	8,110
LACo	1	0	0	1	0	0	1	1	1	0	0	0	5
<b>Total</b>	<b>5,639</b>	<b>5,855</b>	<b>5,160</b>	<b>4,011</b>	<b>3,349</b>	<b>1,947</b>	<b>1,805</b>	<b>802</b>	<b>2,735</b>	<b>4,016</b>	<b>3,754</b>	<b>4,985</b>	<b>44,057</b>
<b>Cum. FYTD</b>	<b>5,639</b>	<b>11,494</b>	<b>16,654</b>	<b>20,665</b>	<b>24,014</b>	<b>25,961</b>	<b>27,766</b>	<b>28,567</b>	<b>31,302</b>	<b>35,318</b>	<b>39,072</b>	<b>44,057</b>	
2019/20	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,610	2,743	2,475	2,310	1,845	980	1,207	1,418	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
<b>Total</b>	<b>5,823</b>	<b>5,779</b>	<b>5,316</b>	<b>4,879</b>	<b>3,651</b>	<b>1,715</b>	<b>2,353</b>	<b>2,411</b>	<b>2,309</b>	<b>2,660</b>	<b>5,004</b>	<b>5,336</b>	<b>47,234</b>
<b>Cum. FYTD</b>	<b>5,823</b>	<b>11,602</b>	<b>16,918</b>	<b>21,796</b>	<b>25,448</b>	<b>27,162</b>	<b>29,515</b>	<b>31,926</b>	<b>34,235</b>	<b>36,894</b>	<b>41,898</b>	<b>47,234</b>	
2019/21	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	0	0	0	0	0	16,590
VWD	2,316	2,257	2,115	1,915	1,653	1,324	904	0	0	0	0	0	12,485
NWD	882	999	963	584	490	375	313	0	0	0	0	0	4,606
LACo	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>6,048</b>	<b>6,373</b>	<b>5,870</b>	<b>4,970</b>	<b>4,050</b>	<b>3,605</b>	<b>2,766</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33,683</b>
<b>Cum. FYTD</b>	<b>6,048</b>	<b>12,422</b>	<b>18,292</b>	<b>23,262</b>	<b>27,312</b>	<b>30,918</b>	<b>33,683</b>	<b>33,683</b>	<b>33,683</b>	<b>33,683</b>	<b>33,683</b>	<b>33,683</b>	

\*Total does not include recycled water.

**SANTA CLARITA VALLEY WATER AGENCY**  
*Record of Weather Observations*  
 January 2021

DATE	High Temperature (°F)	Low Temperature (°F)	Precipitation (inches) 2021	Precipitation (inches) 2020
1-Jan	61	36	0.00	0.00
2-Jan	63	32	0.00	0.00
3-Jan	62	38	0.00	0.00
4-Jan	67	36	0.00	0.00
5-Jan	69	36	0.01	0.00
6-Jan	74	41	0.00	0.00
7-Jan	70	35	0.00	0.00
8-Jan	74	35	0.00	0.00
9-Jan	65	41	0.00	0.00
10-Jan	69	44	0.00	0.00
11-Jan	67	42	0.00	0.00
12-Jan	68	34	0.00	0.00
13-Jan	76	47	0.00	0.00
14-Jan	78	47	0.00	0.01
15-Jan	81	49	0.00	0.00
16-Jan	81	46	0.00	0.49
17-Jan	79	46	0.00	0.01
18-Jan	74	39	0.00	0.00
19-Jan	62	44	0.00	0.00
20-Jan	67	51	0.00	0.00
21-Jan	71	41	0.00	0.01
22-Jan	60	44	0.00	0.01
23-Jan	50	36	0.09	0.00
24-Jan	56	31	0.02	0.00
25-Jan	51	32	0.19	0.00
26-Jan	53	27	0.01	0.01
27-Jan	53	43	0.00	0.00
28-Jan	58	40	1.33	0.00
29-Jan	48	35	0.42	0.00
30-Jan	60	31	0.01	0.00
31-Jan	61	34	0.00	0.00

<b>TOTAL</b>			<b>2.08</b>	<b>0.54</b>
--------------	--	--	-------------	-------------

	2020-2021	2019-2020
<i>Total Precipitation (inches) of Current Month</i>	2.08	0.54
<i>Total Precipitation (inches) End of Previous Month</i>	1.58	7.74

<b>Total Precipitation (inches) Since October 1st</b>	<b>3.66</b>	<b>8.28</b>
---	-------------	-------------

<i>Temperature (°F) Averages for Current Month</i>	HIGH	65.4	65.8
	LOW	39.1	37.4

## Santa Clarita Valley Water Agency

### Summary of Annual Precipitation

October 1st through September 30th

(Total in Inches)

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Oct	0.00	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09	4.04
Nov	0.00	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78	0.08
Dec	0.05	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01	4.28
Jan	1.21	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69	9.13
Feb	9.43	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78	4.96
Mar	3.15	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18	0.69
Apr	2.10	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07	2.40
May	0.00	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01	0.07
Jun	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Jul	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Aug	0.31	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
Sep	0.00	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00	0.00
<b>TOTAL</b>	<b>16.25</b>	<b>23.67</b>	<b>7.34</b>	<b>24.34</b>	<b>13.59</b>	<b>52.55</b>	<b>20.58</b>	<b>6.58</b>	<b>23.12</b>	<b>13.64</b>	<b>25.65</b>
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Oct	1.34	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01	0.04
Nov	1.87	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61	0.14
Dec	11.97	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12	1.40
Jan	0.96	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08	0.54	2.08
Feb	5.36	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12	
Mar	8.86	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81	
Apr	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45	
May	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60	0.16	
Jun	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	
Jul	0.01	0.00	0.08	0.02	0.87	0.00	0.01	0.00	0.00	0.00	
Aug	0.00	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00	0.00	
Sep	0.00	0.02	0.00	0.00	0.78	0.00	0.13	0.02	0.03	0.01	
<b>TOTAL</b>	<b>31.27</b>	<b>16.07</b>	<b>8.28</b>	<b>9.23</b>	<b>12.87</b>	<b>10.87</b>	<b>25.53</b>	<b>11.15</b>	<b>27.68</b>	<b>18.84</b>	<b>3.66</b>

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	0	0	0	0	0	0	0	0	0	0	0	108
N13	120	0	0	0	0	0	0	0	0	0	0	0	120
C1	27	0	0	0	0	0	0	0	0	0	0	0	27
C2	13	0	0	0	0	0	0	0	0	0	0	0	13
C7	36	0	0	0	0	0	0	0	0	0	0	0	36
P1	0	0	0	0	0	0	0	0	0	0	0	0	0
P3	0	0	0	0	0	0	0	0	0	0	0	0	0
P4	0	0	0	0	0	0	0	0	0	0	0	0	0
P5	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL NWD</b>	<b>303</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303</b>

SANTA CLARITA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	23	0	0	0	0	0	0	0	0	0	0	0	23
LOST CANYON NO.2A	48	0	0	0	0	0	0	0	0	0	0	0	48
SAND CANYON	50	0	0	0	0	0	0	0	0	0	0	0	50
MITCHELL 5A	0	0	0	0	0	0	0	0	0	0	0	0	0
MITCHELL 5B	0	0	0	0	0	0	0	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	16
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
<b>TOTAL SCWD</b>	<b>137</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>137</b>

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	0	0	0	0	0	0	0	0	0	0	0	47
E17	34	0	0	0	0	0	0	0	0	0	0	0	34
N	77	0	0	0	0	0	0	0	0	0	0	0	77
N7	116	0	0	0	0	0	0	0	0	0	0	0	116
N8	74	0	0	0	0	0	0	0	0	0	0	0	74
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	0	0	0	0	0	0	0	0	0	0	0	2
W9	31	0	0	0	0	0	0	0	0	0	0	0	31
W10	0	0	0	0	0	0	0	0	0	0	0	0	0
159 (GOLF COURSE IRRIGATION)	0	0	0	0	0	0	0	0	0	0	0	0	0
160 (SYSTEM)	1	0	0	0	0	0	0	0	0	0	0	0	1
160 (GOLF COURSE IRRIGATION)	22	0	0	0	0	0	0	0	0	0	0	0	22
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	0	0	0	0	0	0	0	0	0	0	0	76
207	82	0	0	0	0	0	0	0	0	0	0	0	82
<b>TOTAL VWD</b>	<b>562</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>562</b>

S1	113	0	0	0	0	0	0	0	0	0	0	0	113
S2	76	0	0	0	0	0	0	0	0	0	0	0	76
<b>TOTAL S1 &amp; S2</b>	<b>189</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>189</b>

<b>TOTAL WELL PRODUCTION</b>	<b>1192</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1192</b>
------------------------------	-------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	-------------

WELL 201 (NON-SYSTEM)	106	0	0	0	0	0	0	0	0	0	0	0	106
WELL 205 (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
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
N (NON-SYSTEM)	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.13
N7 (NON-SYSTEM)	4.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.04
N8 (NON-SYSTEM)	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04
NORTH OAKS CENTRAL (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
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NEWHALL WATER DIVISION  
 WATER PRODUCTION 2021 (ACRE-FEET)

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>NEWHALL SYSTEM</b>													
N12	108												108
N13	120												120
<b>CASTAIC SYSTEM</b>													
C1	27												27
C2	13												13
C7	36												36
<b>PINETREE SYSTEM</b>													
P1	0												0
P3	0												0
P4	0												0
P5	0												0
S1 & S2	51												51
<b>TOTAL GROUNDWATER</b>	<b>354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>354</b>
<b>IMPORT + S1 &amp; S2</b>													
<b>NEWHALL SYSTEM</b>													
N-3	43												43
<b>CASTAIC SYSTEM</b>													
N-1	32												32
<b>PINETREE SYSTEM</b>													
N-2	122												122
<b>TESORO SYSTEM</b>													
N-4	117												117
<b>TOTAL IMPORT + S1 &amp; S2</b>	<b>313</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>313</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>354</b>
<b>TOTAL IMPORT (NO S1 &amp; S2)</b>	<b>263</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>263</b>
<b>TOTAL PRODUCTION (GW + IMPORT)</b>	<b>617</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>617</b>
<b>% BY SOURCE</b>													
GROUNDWATER	57%												57%
IMPORT	43%												43%

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

<b>GROUNDWATER</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
LOST CANYON NO.2	23												23
LOST CANYON NO.2A	48												48
SAND CANYON	50												50
MITCHELL 5A	0												0
MITCHELL 5B	0												0
SIERRA	0												0
NORTH OAKS EAST	0												0
NORTH OAKS CENTRAL	0												0
NORTH OAKS WEST	0												0
HONBY	0												0
GUIDA	16												16
CLARK	0												0
SANTA CLARA	0												0
VALLEY CENTER	0												0
<b>TOTAL ALLUVIUM</b>	<b>137</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>137</b>
<b>SAUGUS WELLS S1 &amp; S2</b>	<b>139</b>												<b>139</b>
<b>TOTAL GROUNDWATER</b>	<b>276</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>276</b>
<b>IMPORT + S1 &amp; S2</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
SC-1 BOUQUET	326												326
SC-2 HONBY	0												0
SC-3 WILEY	73												73
SC-4 HONBY #2	356												356
SC-5 RIO VISTA	20												20
SC-6 LOST CANYON	64												64
SC-7	175												175
SC-8	159												159
SC-9	87												87
SC-10	35												35
SC-11	0												0
SC-12	126												126
SC-13	127												127
<b>TOTAL IMPORT + S1 &amp; S2</b>	<b>1548</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,548</b>
METERING ADJUSTMENT	-4.8												-5
<b>NET IMPORT + S1 &amp; S2</b>	<b>1,543</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,543</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>276</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>276</b>
<b>TOTAL IMPORT (NO S1 &amp; S2)</b>	<b>1,409</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,409</b>
<b>TOTAL PRODUCTION (GW + IMPORT)</b>	<b>1,685</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,685</b>
<b>% BY SOURCE</b>													
GROUNDWATER	16%												16%
IMPORT	84%												84%
HONBY (NON-SYSTEM) *	0.00												0.00
MITCHELL 5B (NON-SYSTEM) *	0.19												0.19
NORTH OAKS CENTRAL (NON-SYSTEM) *	0.00												0.00
VALLEY CENTER (NON-SYSTEM) *	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
E15	47												47
E17	34												34
N	77												77
N7	116												116
N8	74												74
Q2	0												0
T7	0												0
U6	0												0
U4	0												0
S6	0												0
S7	0												0
S8	0												0
W11	2												2
W9	31												31
W10	0												0
<b>TOTAL ALLUVIUM</b>	<b>381</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>381</b>

SAUGUS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
159	0												0
160 - DOM	1												1
160 - VGC*	22												22
201	0												0
205	0												0
206	76												76
207	82												82
<b>TOTAL SAUGUS</b>	<b>181</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>181</b>

IMPORT WATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
V-1	81												81
V-2	120												120
V-4	75												75
V-5	219												219
V-6	136												136
V-7	111												111
V-8	162												162
<b>TOTAL IMPORT</b>	<b>904</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>904</b>

<b>TOTAL GROUNDWATER</b>	<b>562</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>562</b>
<b>TOTAL IMPORT</b>	<b>904</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>904</b>
<b>TOTAL PRODUCTION</b>	<b>1,466</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,466</b>

**% BY SOURCE**

GROUNDWATER	37%												37%
IMPORT WATER	63%												63%

<b>RECYCLED WATER</b>	<b>16</b>												<b>16</b>
Well 201 Discharge *	106												106
Well 205 Non-System *	0.00												0.00
Well N Non-System *	4.13												4.13
Well N7 Non-System *	4.04												4.04
Well N8 Non-System *	2.04												2.04
Well Q2 Non-System *	0.00												0.00
Well S8 Non-System *	0.72												0.72
Well T7 Non-System *	0.00												0.00
Well W10 Non-System *	0.00												0.00

\*Not used in the calculation for % by source



**LOS ANGELES COUNTY WATERWORKS DISTRICT 36**

**SOURCE**

<b>TURNOUT</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>TOTAL</b>
LA 1	0.00												0.00
LA 2	0.40												0.40
<b>TOTAL</b>	<b>0.40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.40</b>

**RAW WATER**

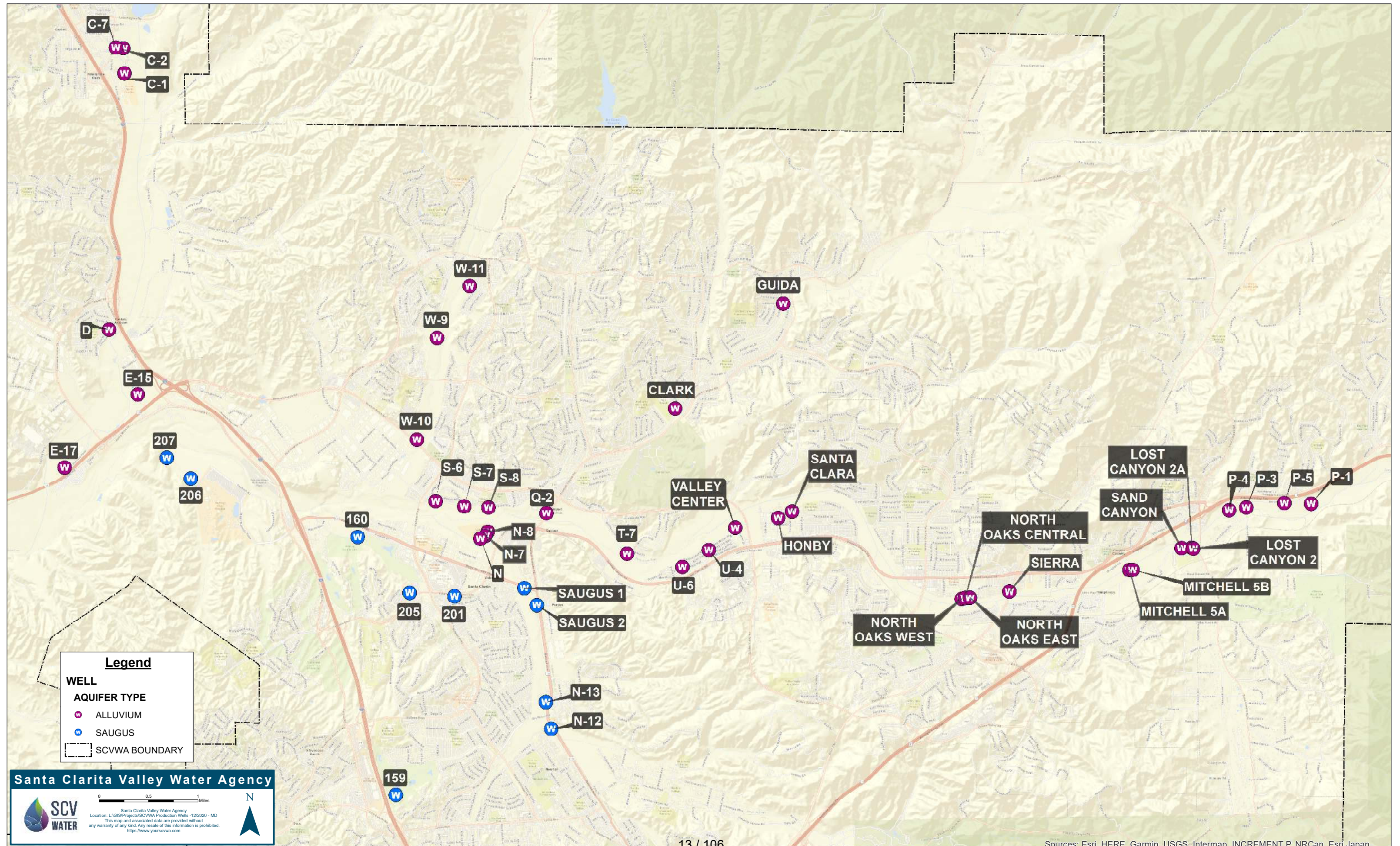
<b>SOURCE</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>TOTAL</b>
RVTP	292												291.57
ESTP	2,289												2,289.00
Wells	189												189.29
<b>TOTAL</b>	<b>2,770</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,769.86</b>

**S1/S2 TREATMENT**

<b>SOURCE</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>TOTAL</b>
S1	113.09												113.09
S2	76.197												76.20
<b>TOTAL</b>	<b>189.29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>189.29</b>

[This page intentionally left blank.]

# SCVWA PRODUCTION WELLS



[This page intentionally left blank.]



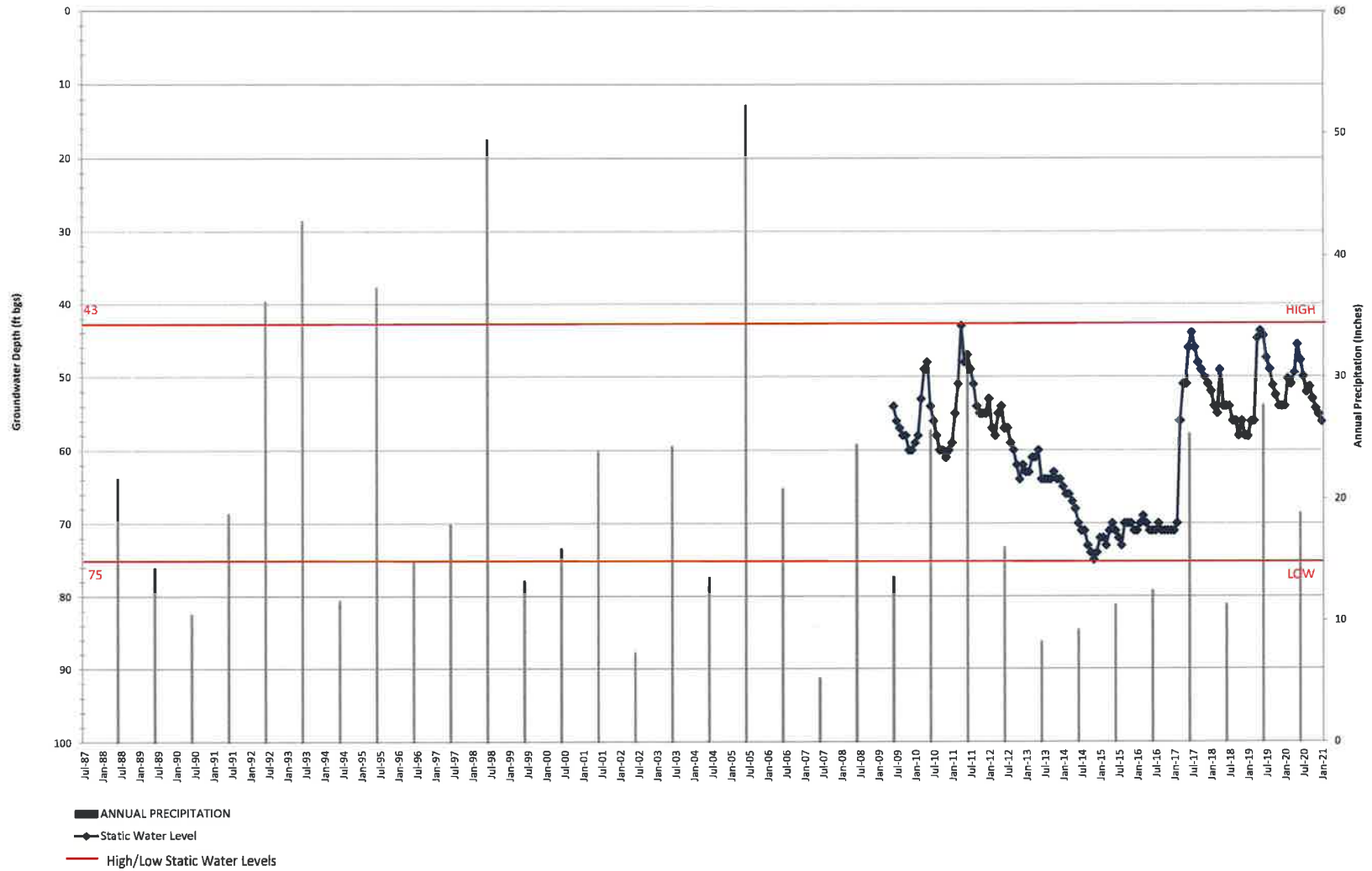
## TABLE OF CONTENTS

### JANUARY 2021

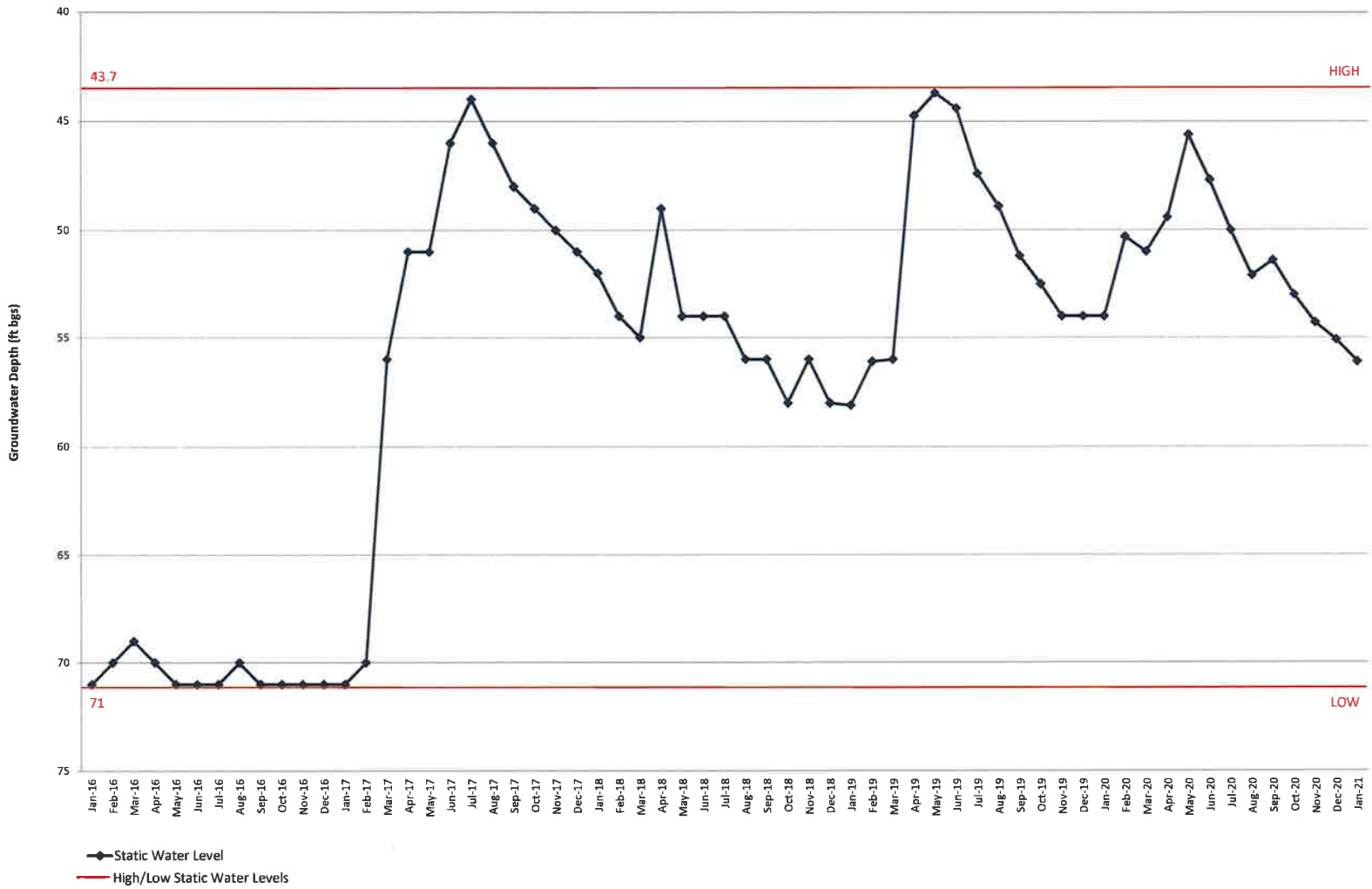
	<b>PAGE NO.</b>
<b>SCV WATER WELL GRAPHS</b>	<b>15</b>
C7	17-18
C2	19-20
C1	21-22
D	23-24
E15	25-26
E17	27-28
207	29-30
206	31-32
159	33-34
160	35-36
W9	37-38
W11	39-40
W10	41-42
S6	43-44
S7	45-46
S8	47-48
205	49-50
201	51-52
N	53-54
N7	55-56
N12	57-58
N13	59-60
N8	61-62
Q2	63-64

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**

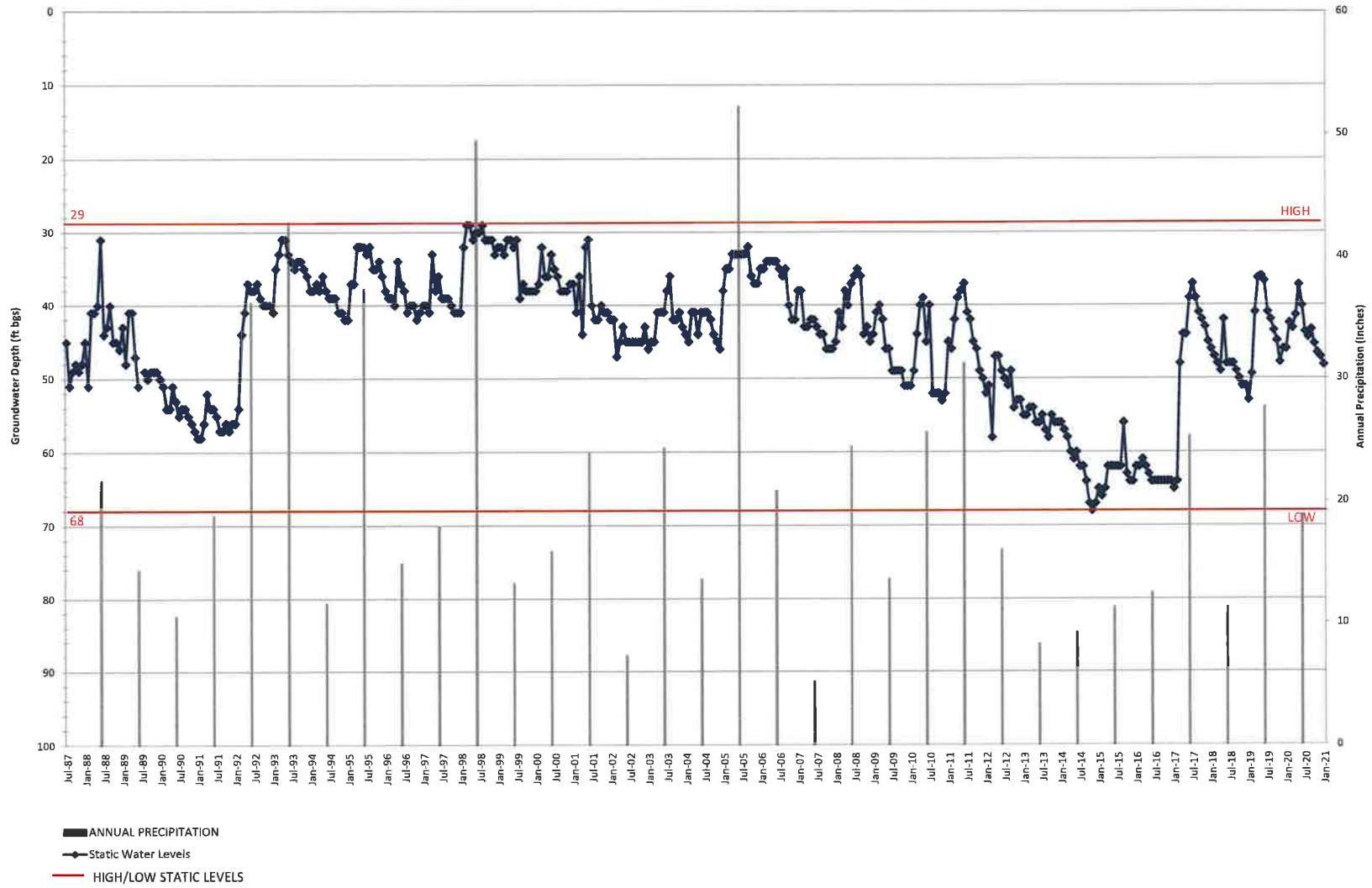


**SCV WATER WELL C7**  
**STATIC WATER LEVEL**

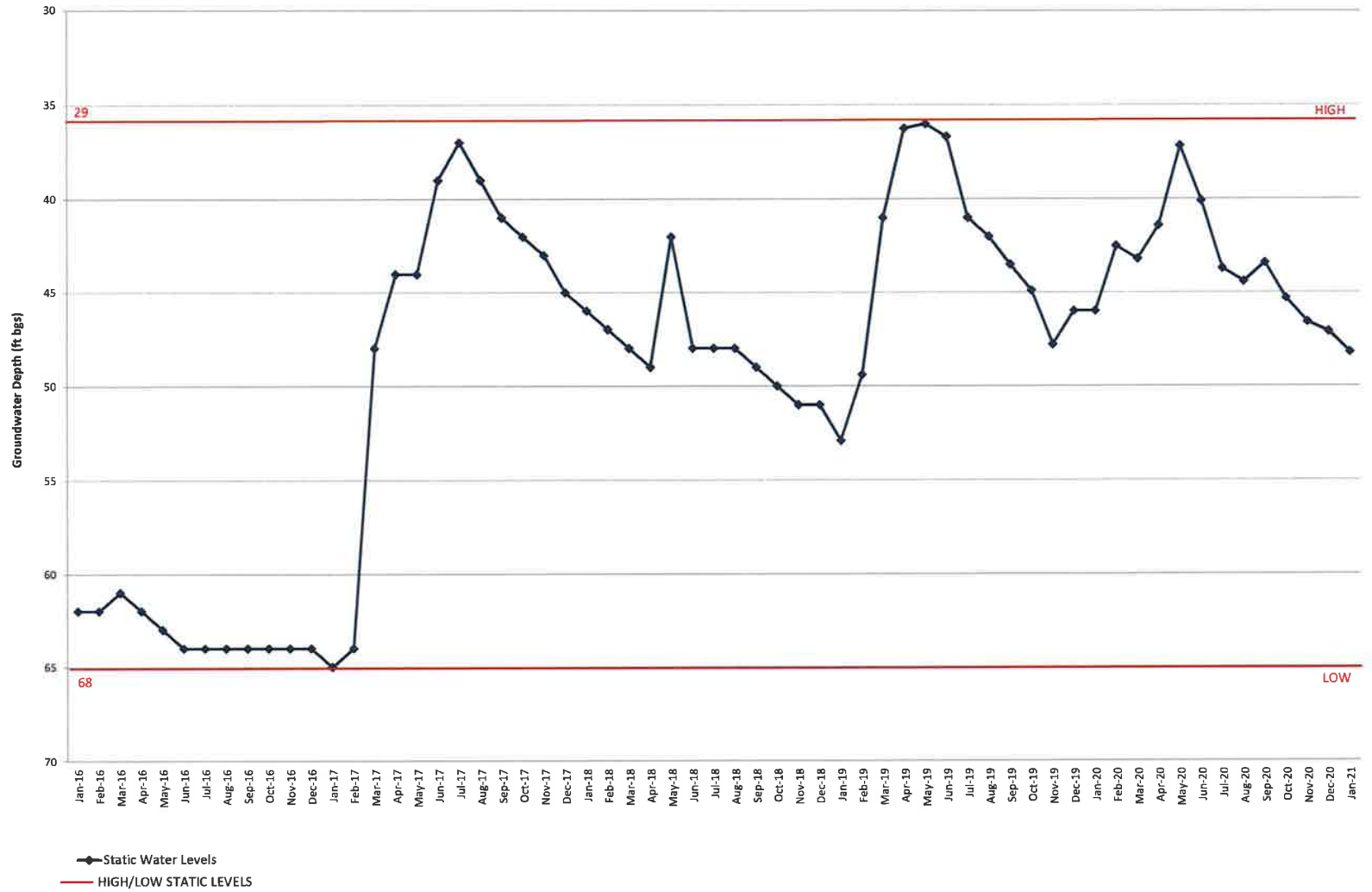




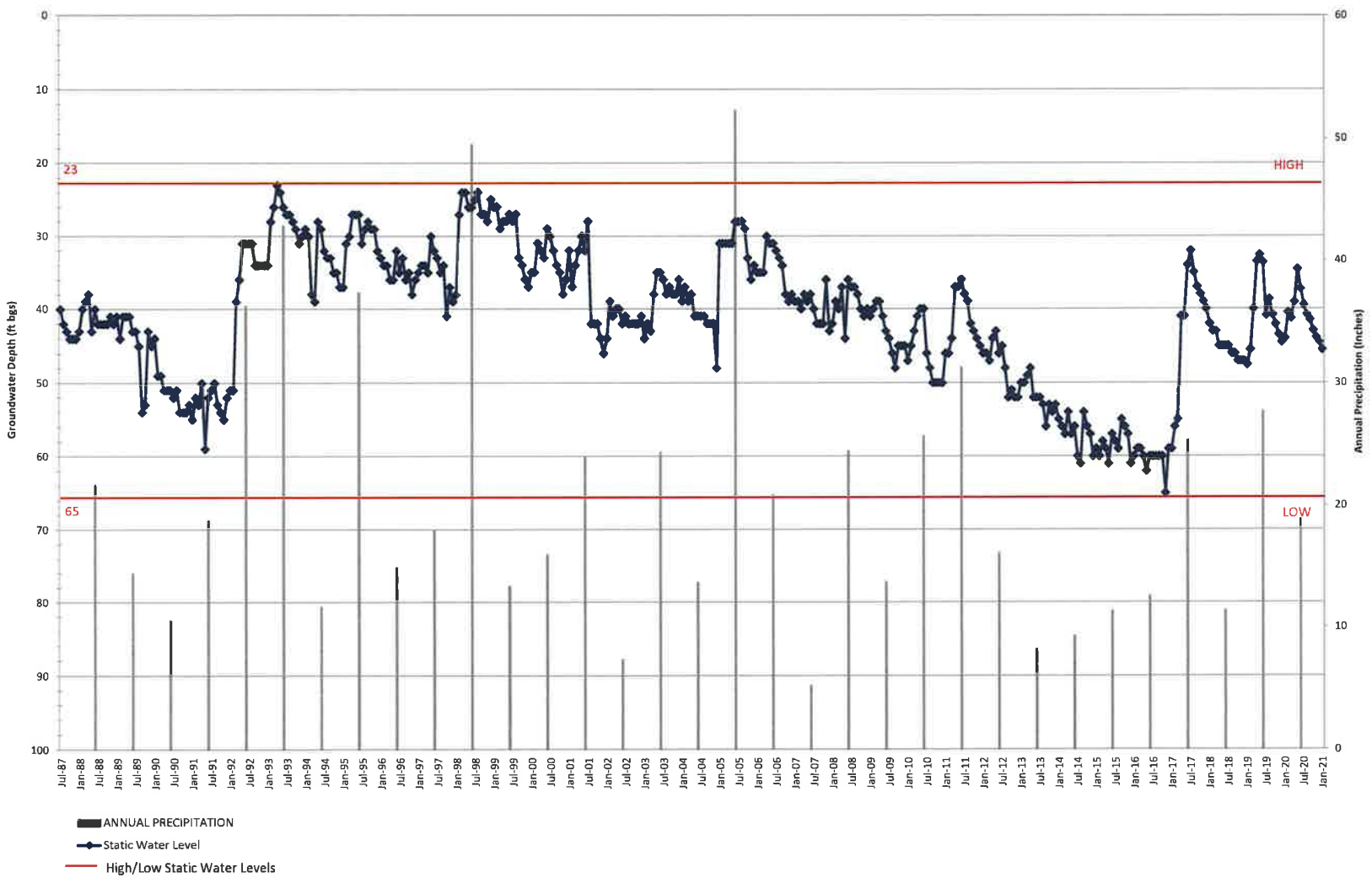
**SCV WATER WELL C2**  
**STATIC WATER LEVEL VS PRECIPITATION**



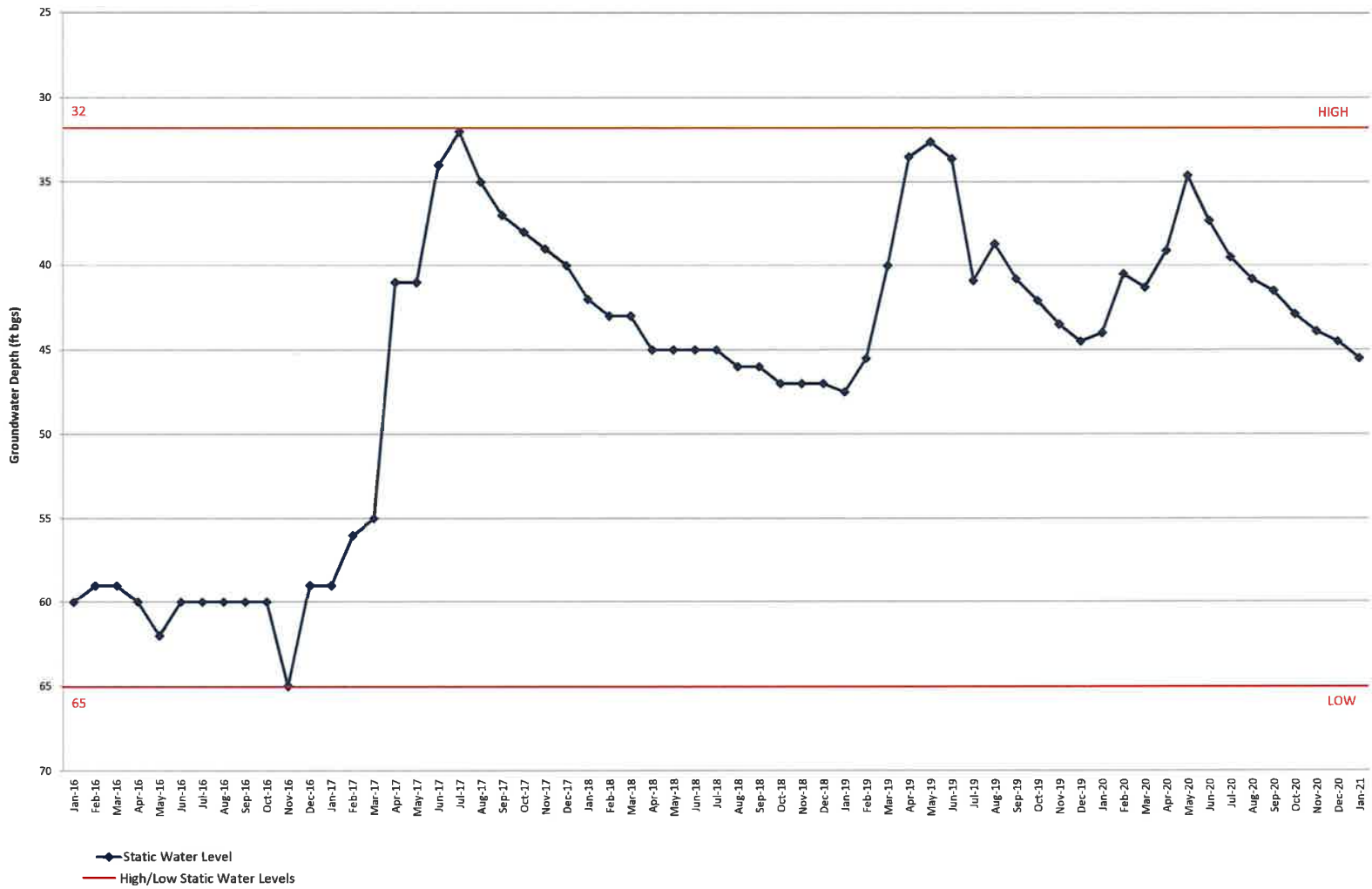
**SCV WATER WELL C2**  
**STATIC WATER LEVEL**



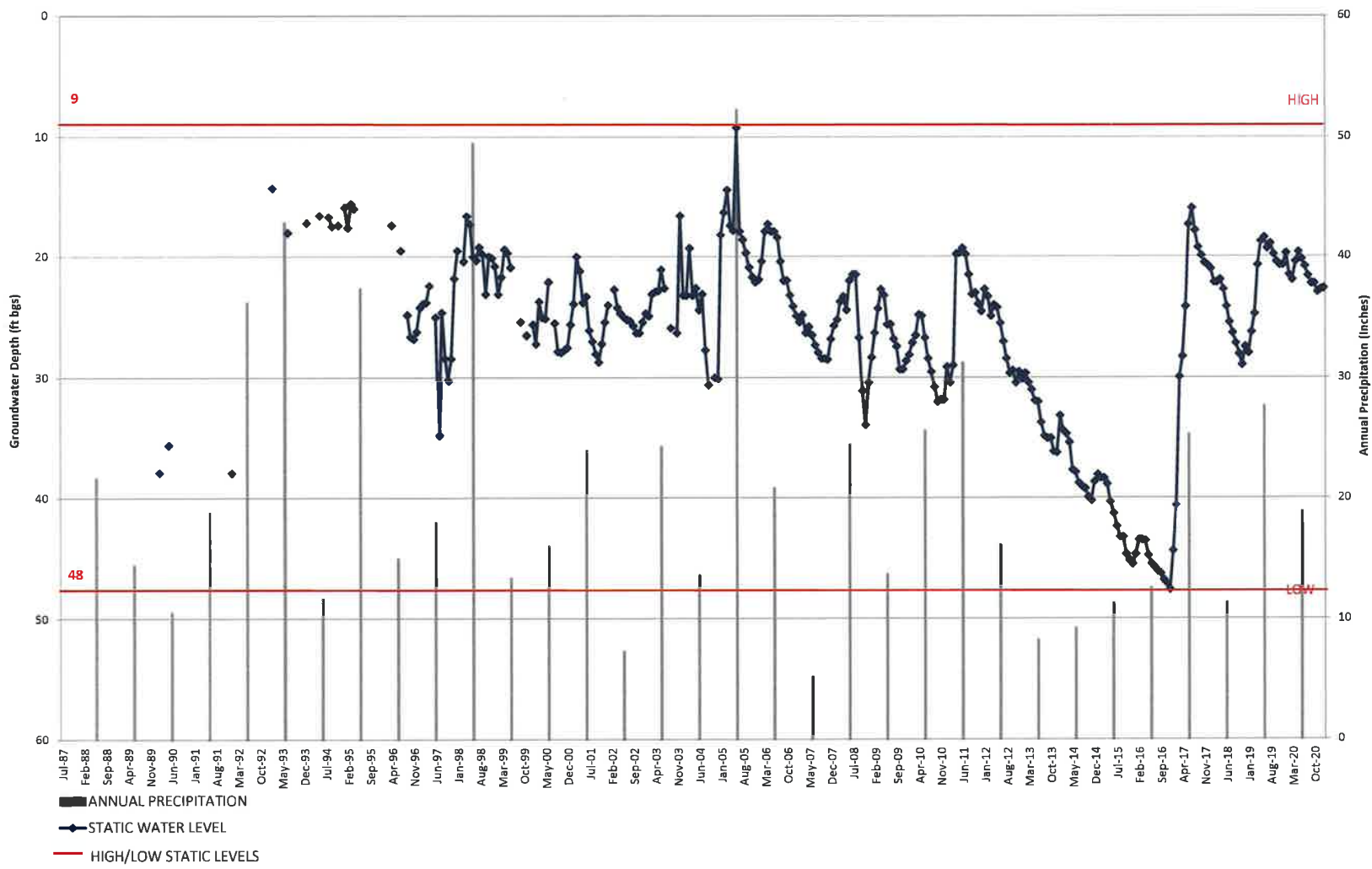
**SCV WATER WELL C1**  
**STATIC WATER LEVEL VS PRECIPITATION**



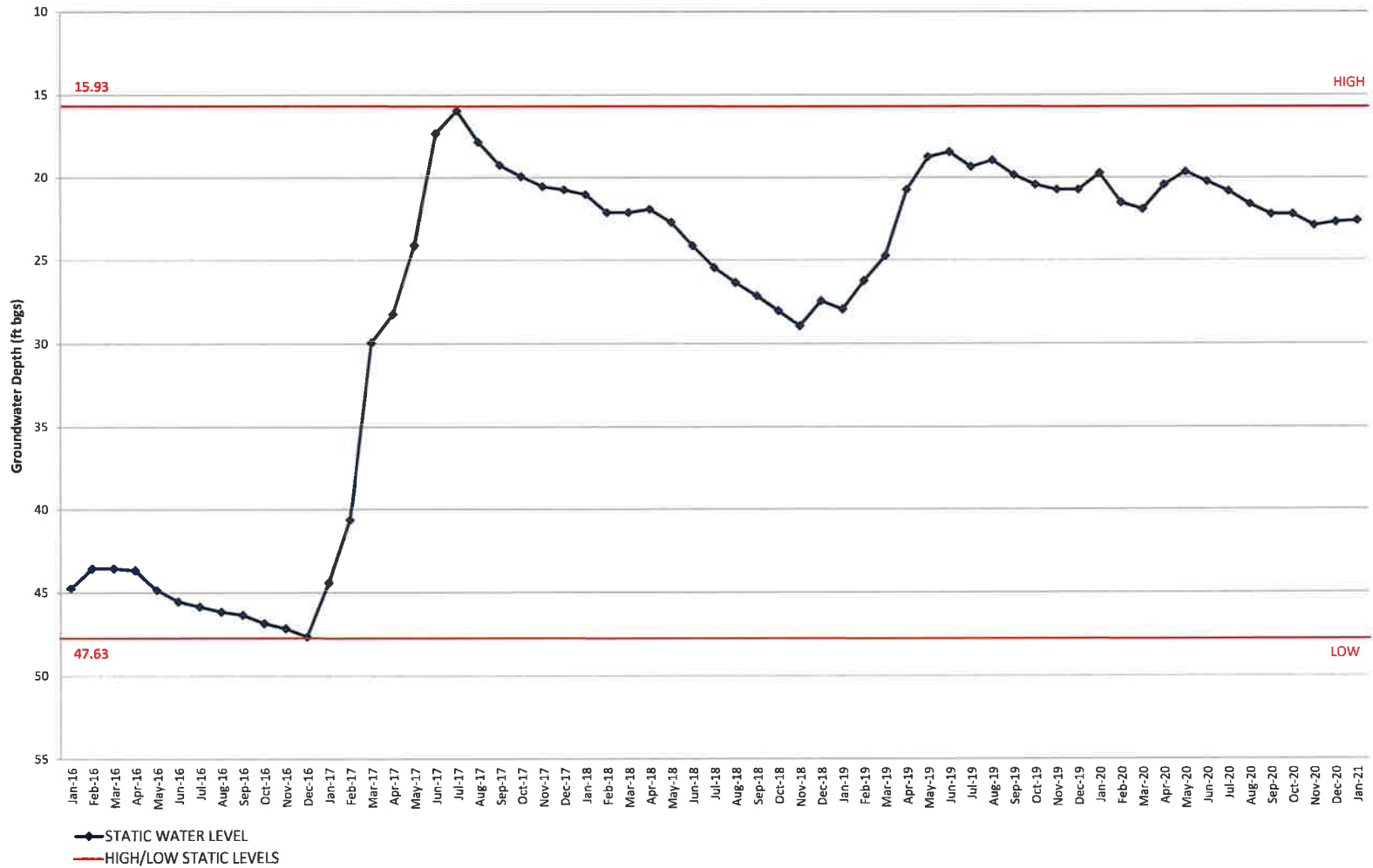
**SCV WATER WELL C1**  
**STATIC WATER LEVEL**



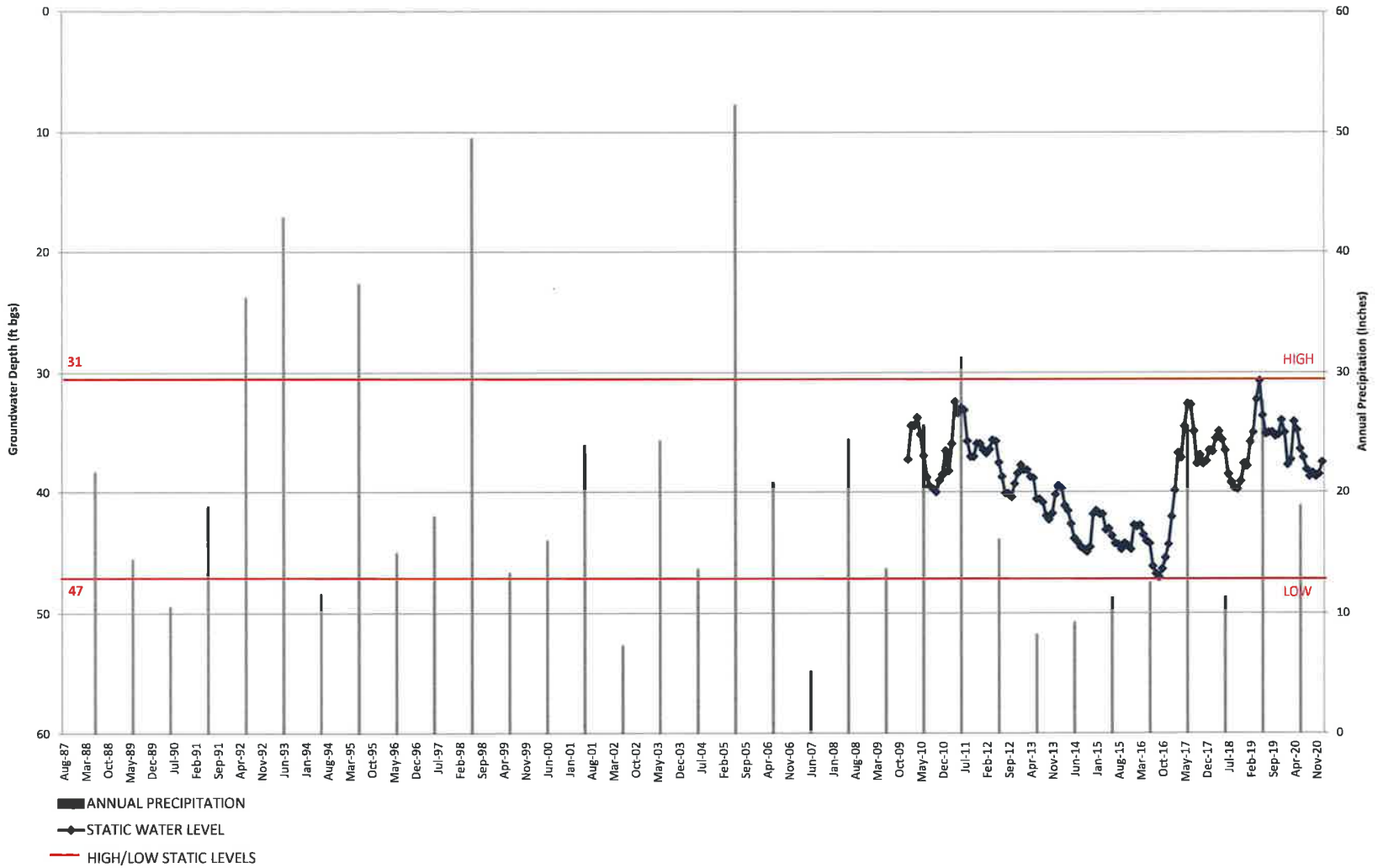
**SCV WATER WELL D**  
 STATIC WATER LEVEL VS PRECIPITATION



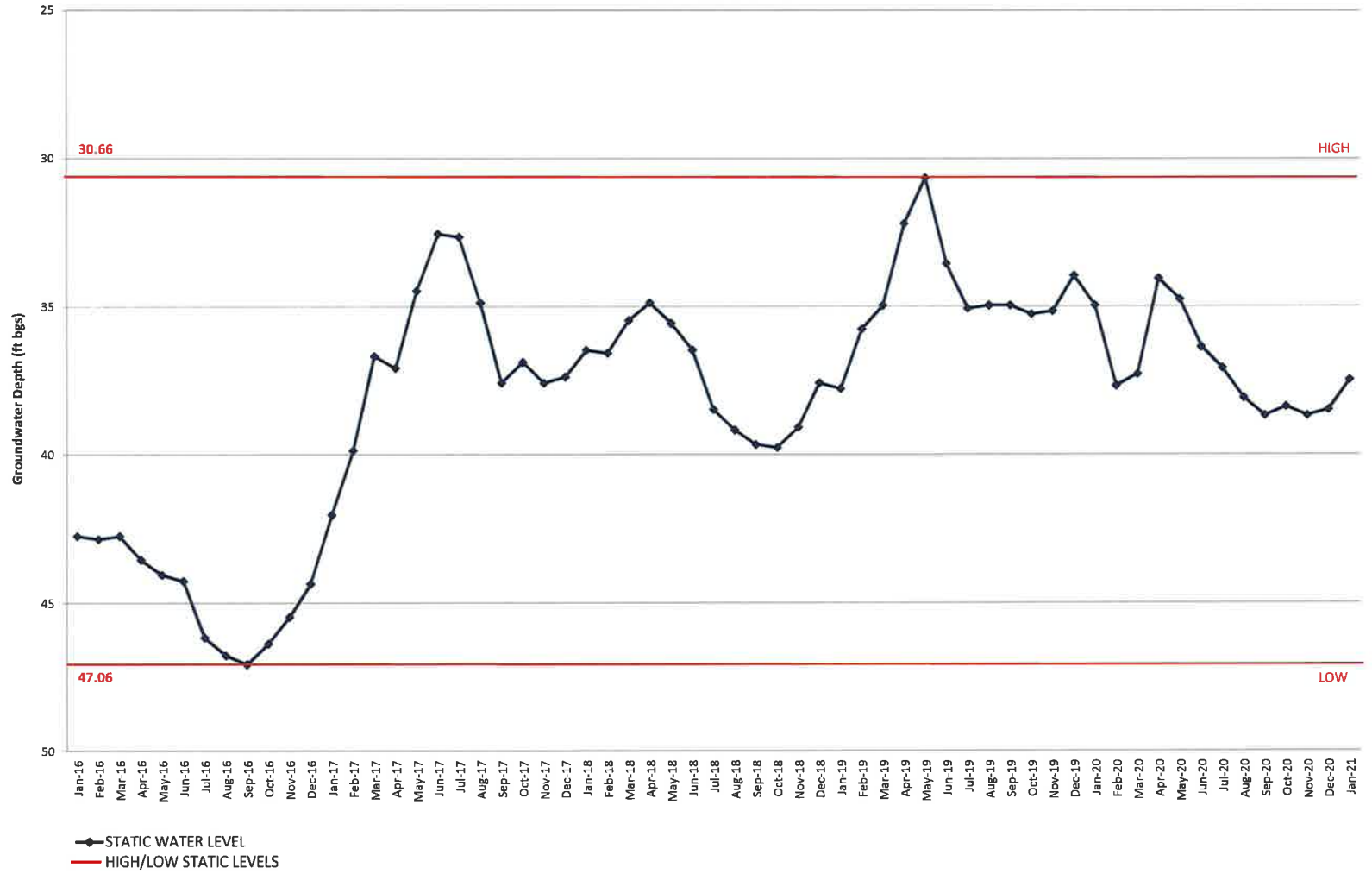
**SCV WATER WELL D**  
 STATIC WATER LEVEL



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

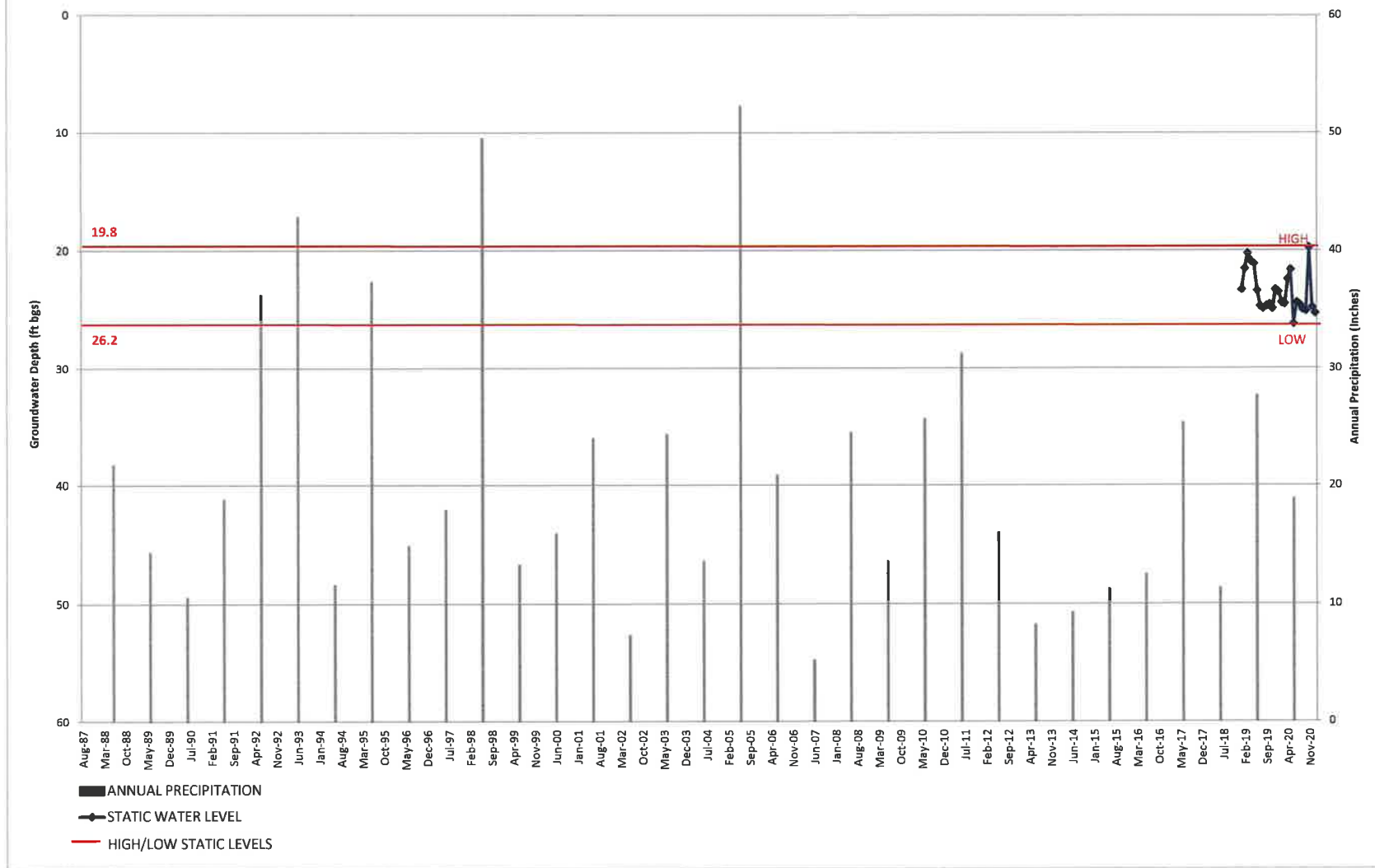


**SCV WATER WELL E15**  
**STATIC WATER LEVEL**

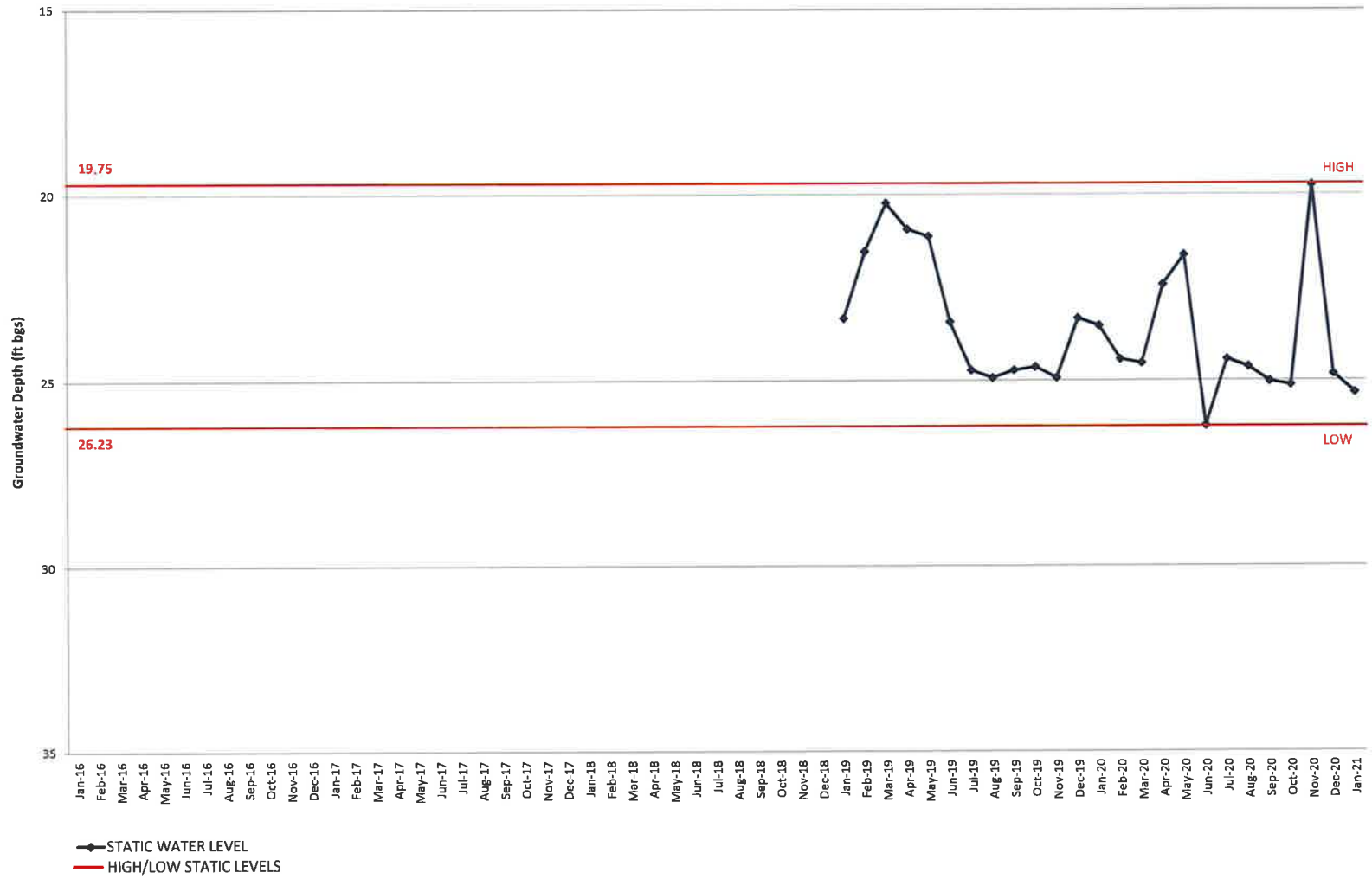




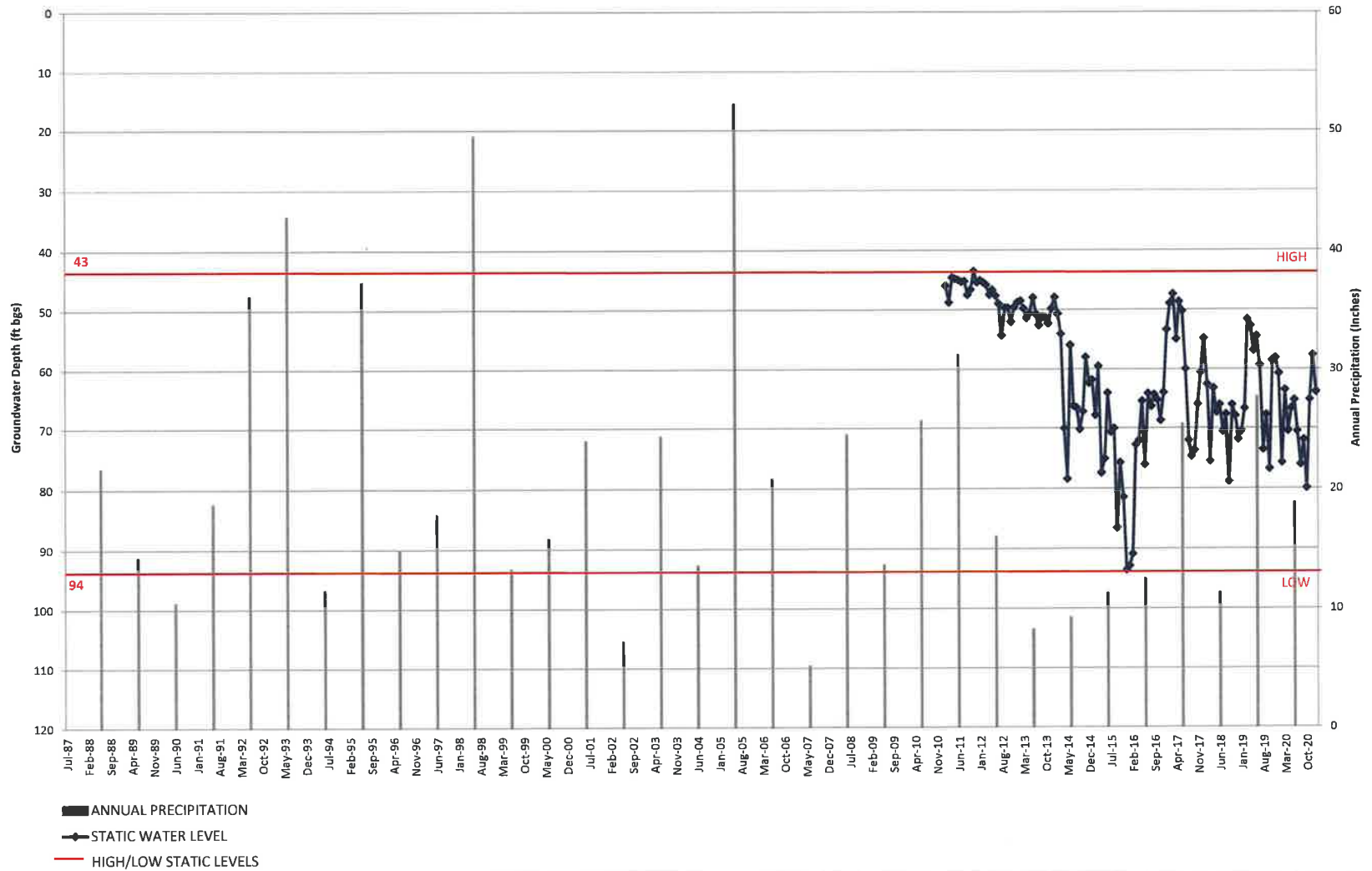
**SCV WATER WELL E17**  
**STATIC WATER LEVEL VS. PRECIPITATION**



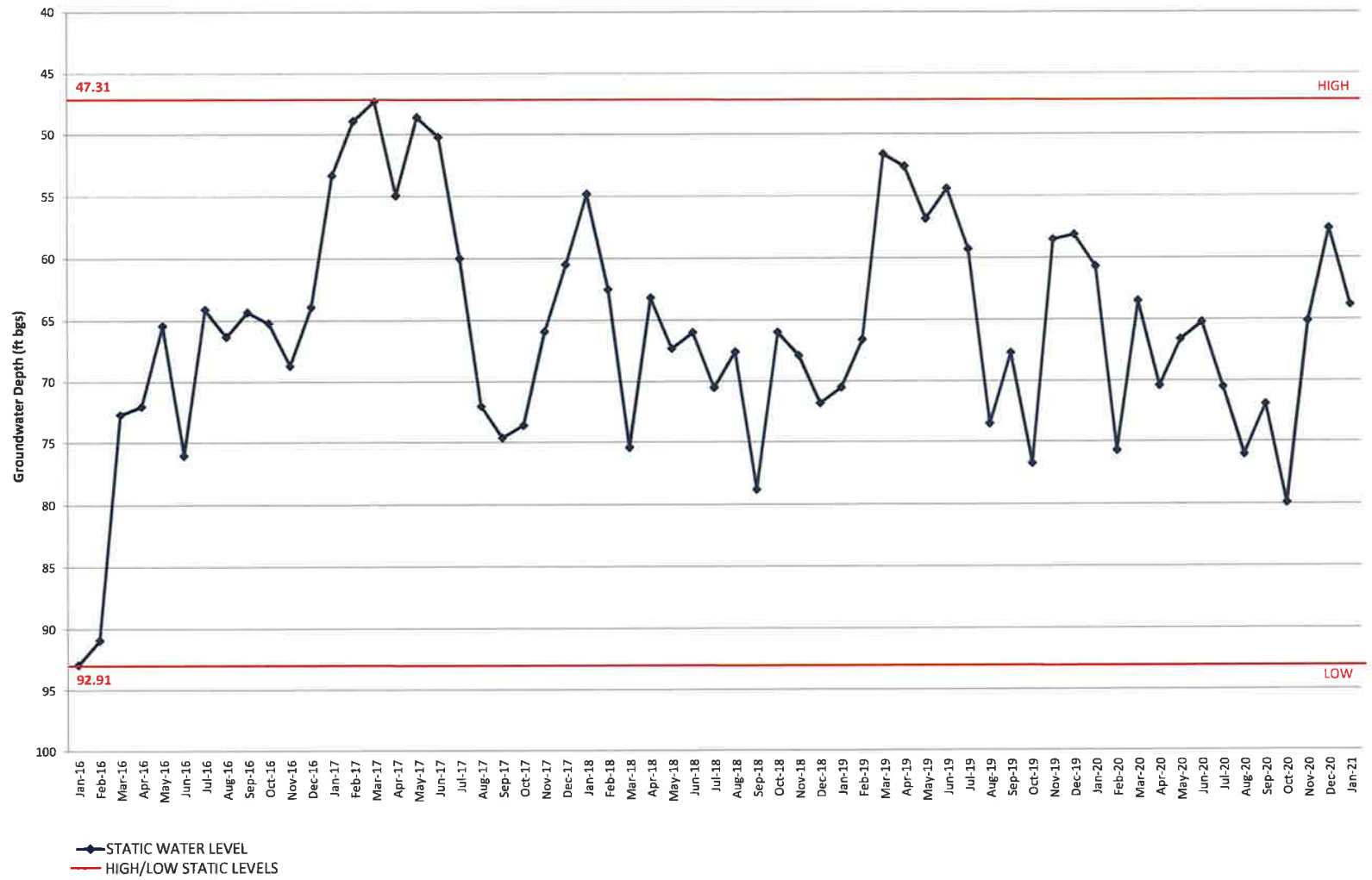
**SCV WATER WELL E17**  
**STATIC WATER LEVEL**



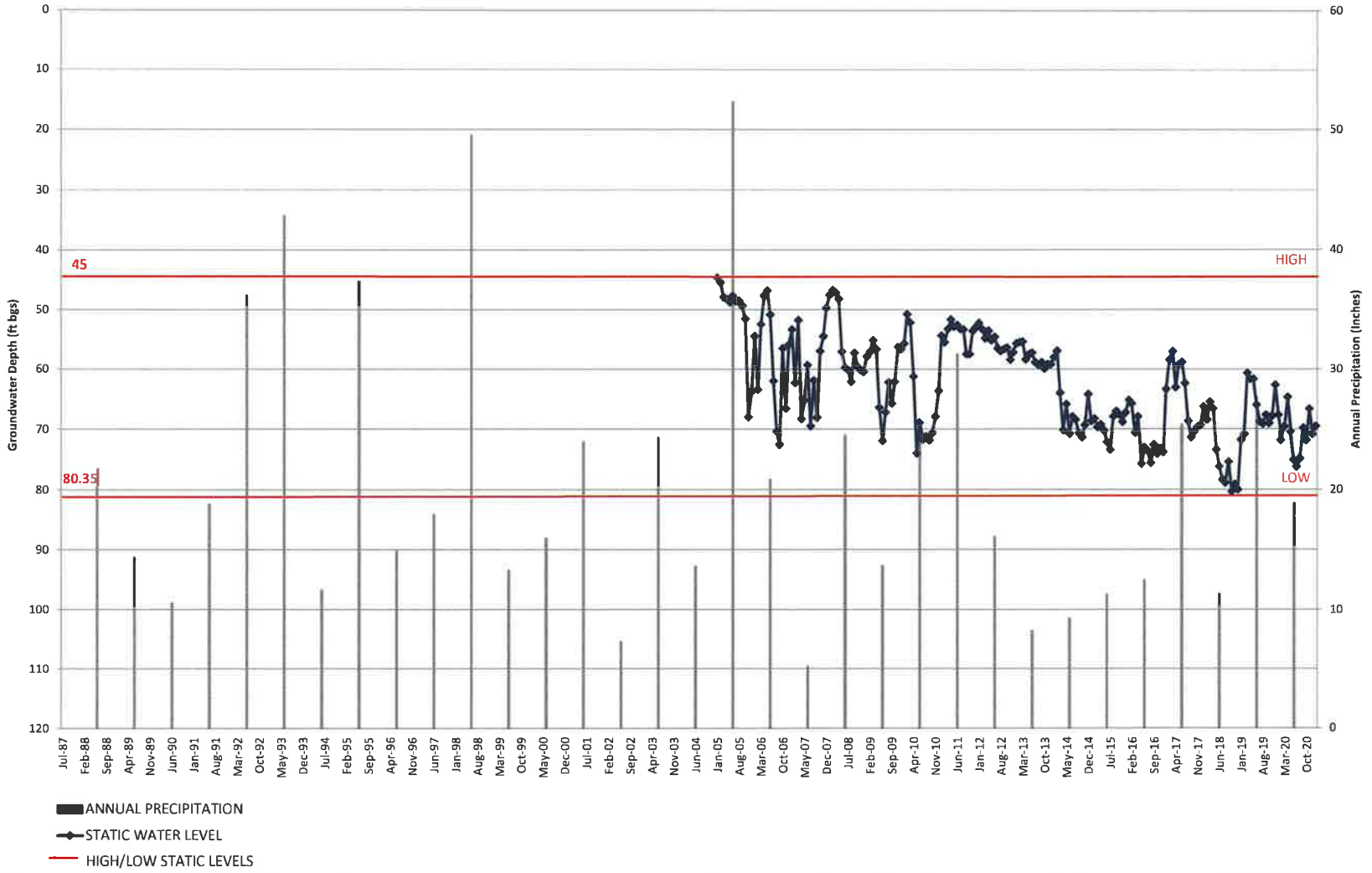
**SCV WATER WELL 207**  
**STATIC WATER LEVEL VS PRECIPITATION**



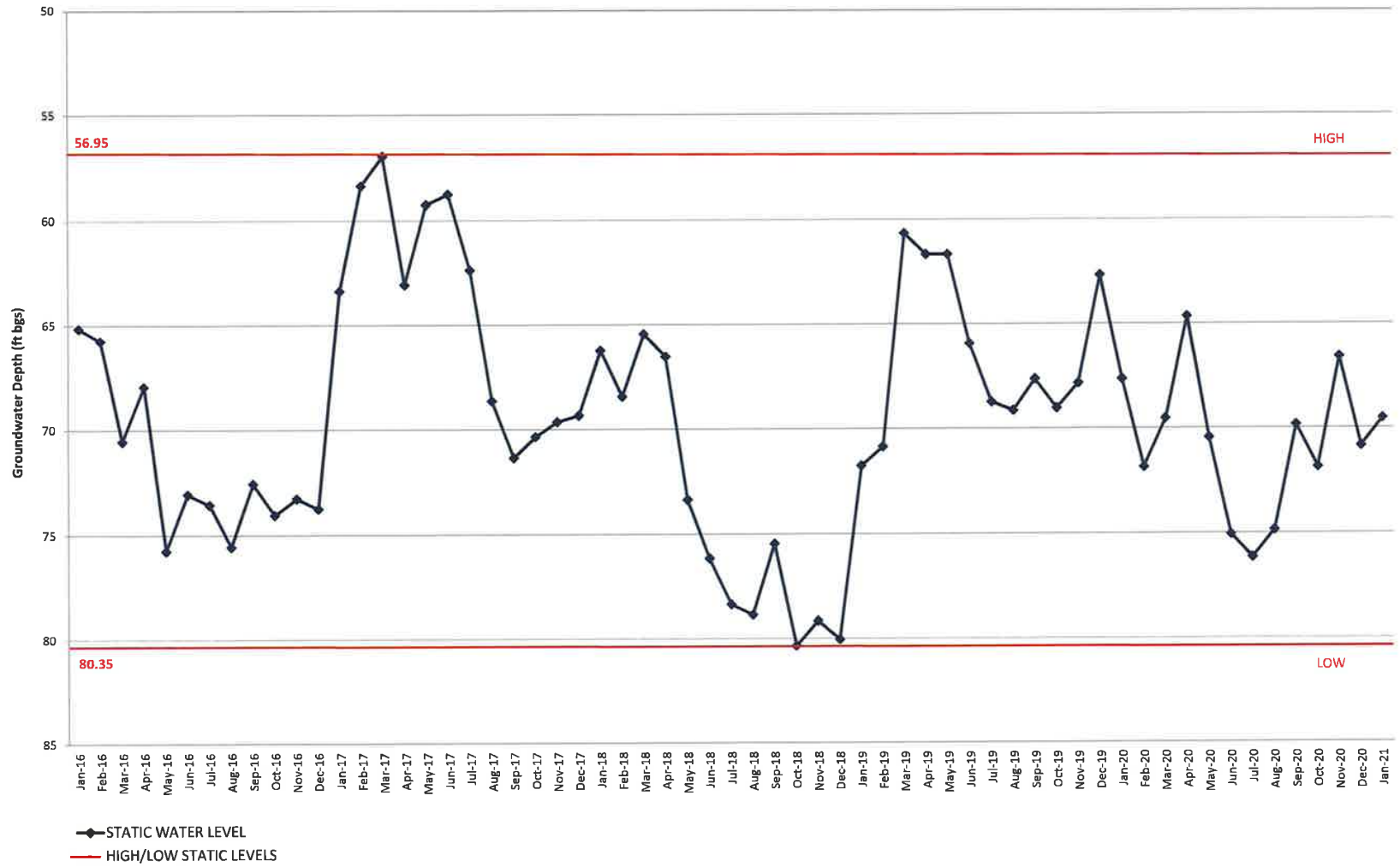
**SCV WATER WELL 207**  
**STATIC WATER LEVEL**



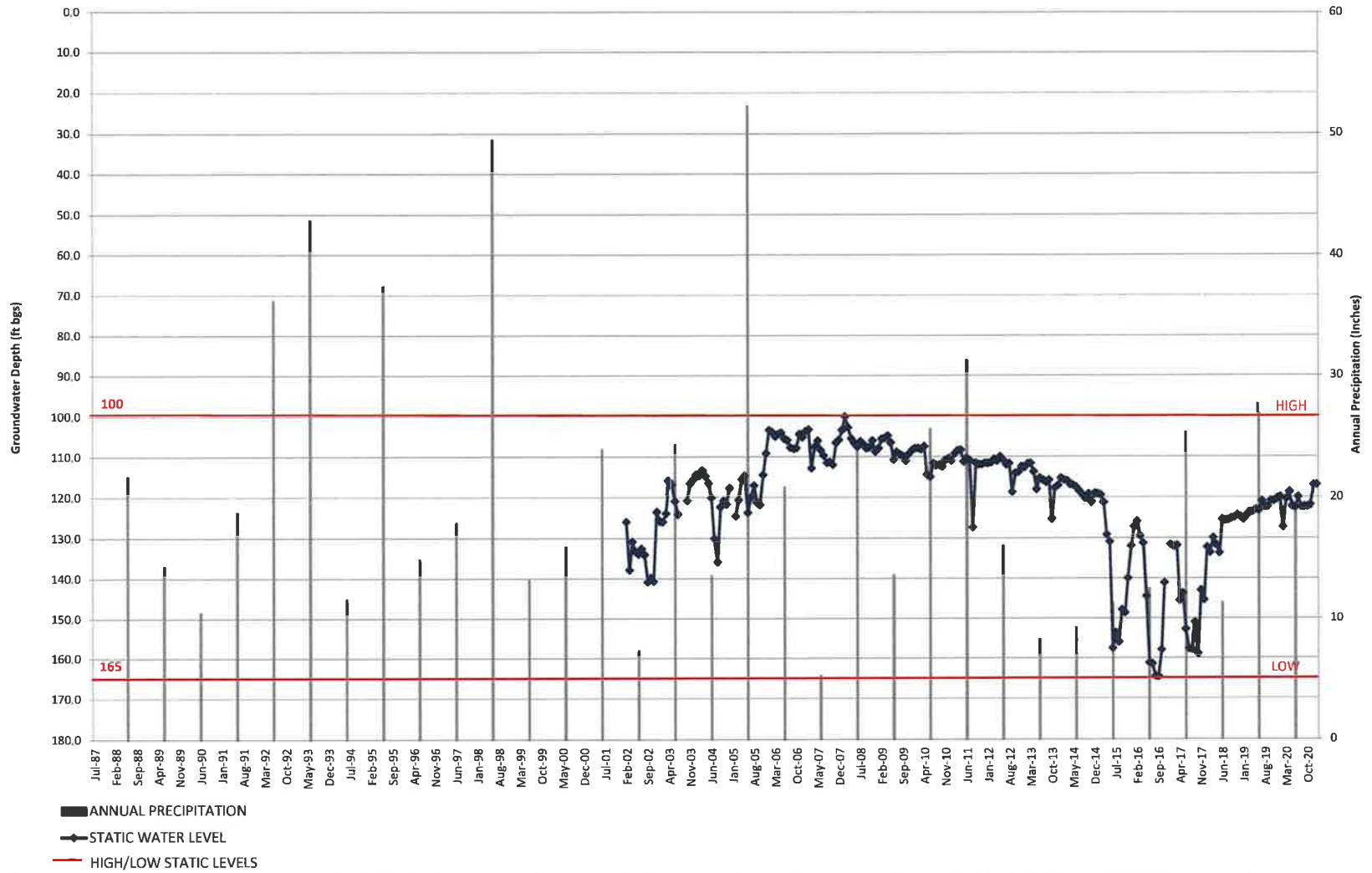
**SCV WATER WELL 206**  
 STATIC WATER LEVEL VS PRECIPITATION



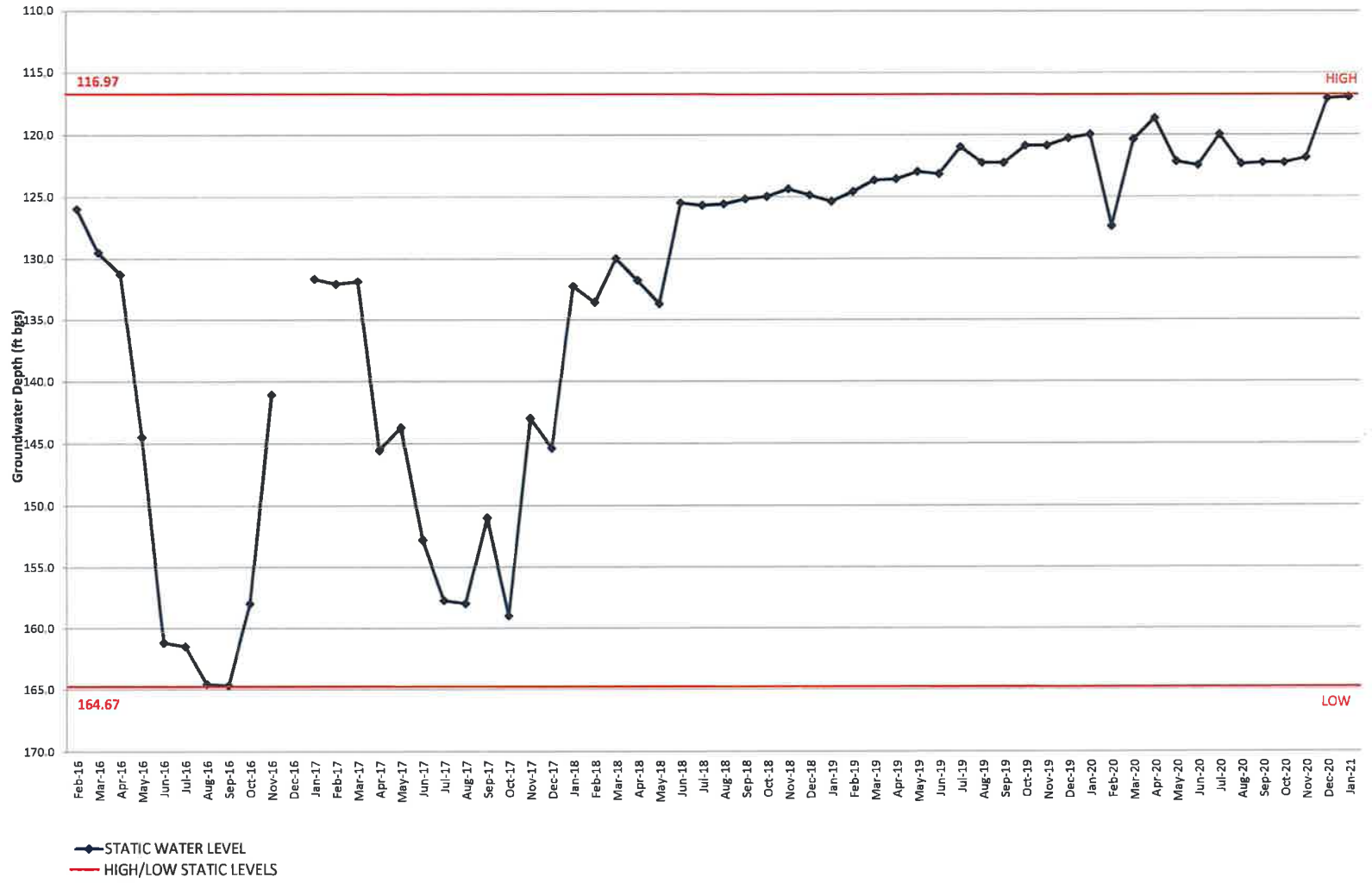
**SCV WATER WELL 206**  
 STATIC WATER LEVEL



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

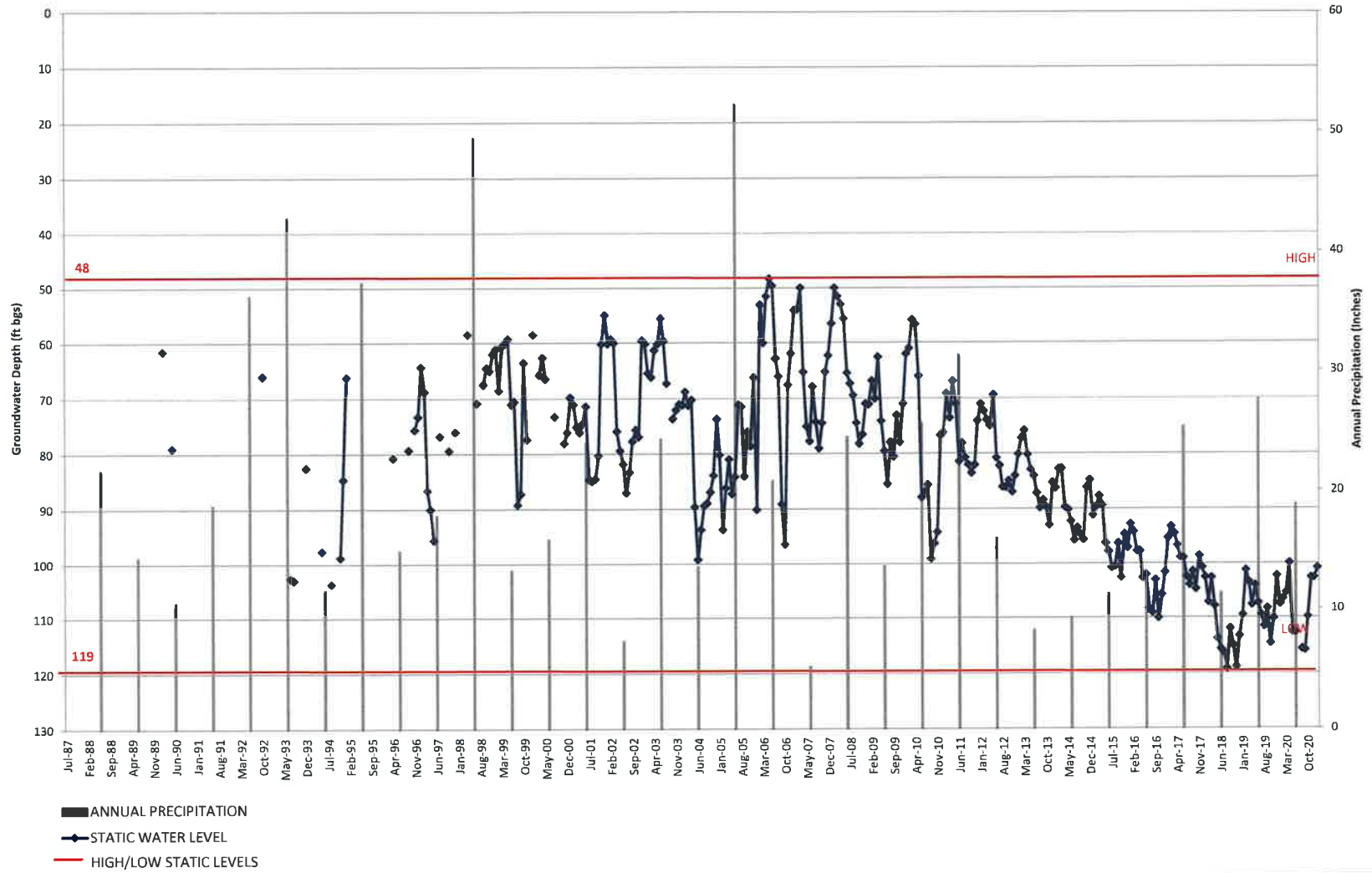


**SCV WATER WELL 159**  
**STATIC WATER LEVEL**

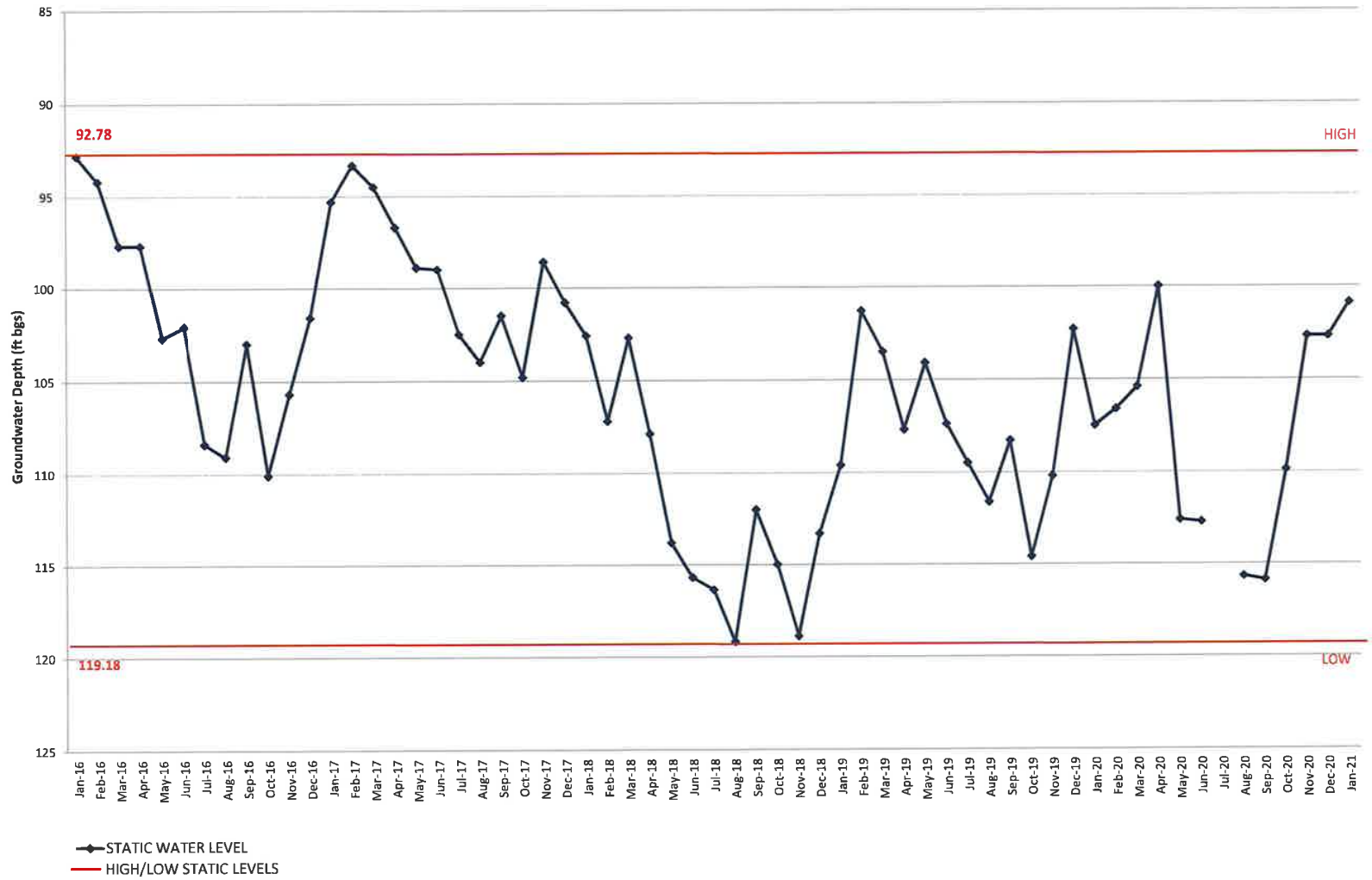




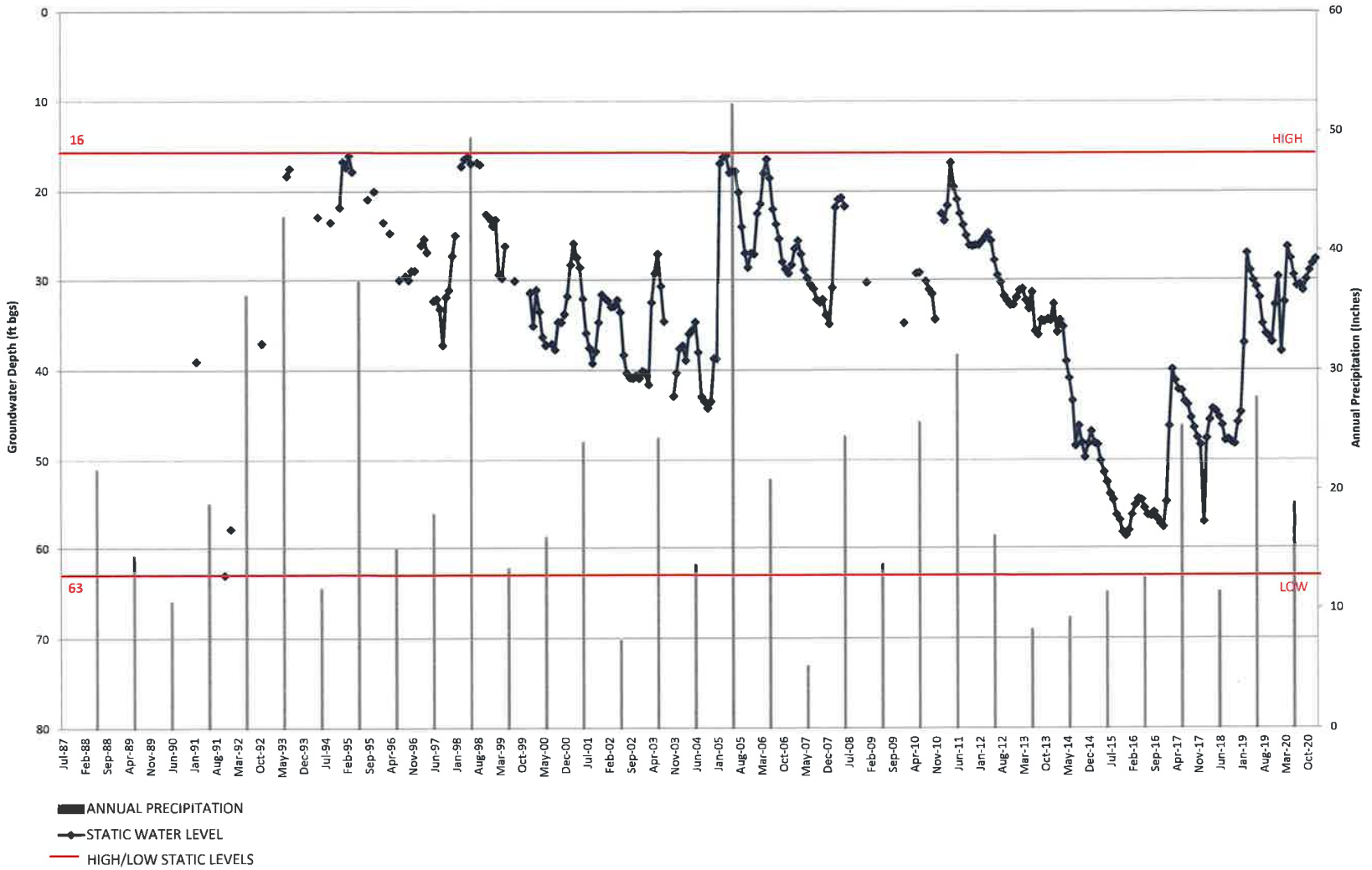
**SCV WATER WELL 160**  
 STATIC WATER LEVEL VS PRECIPITATION



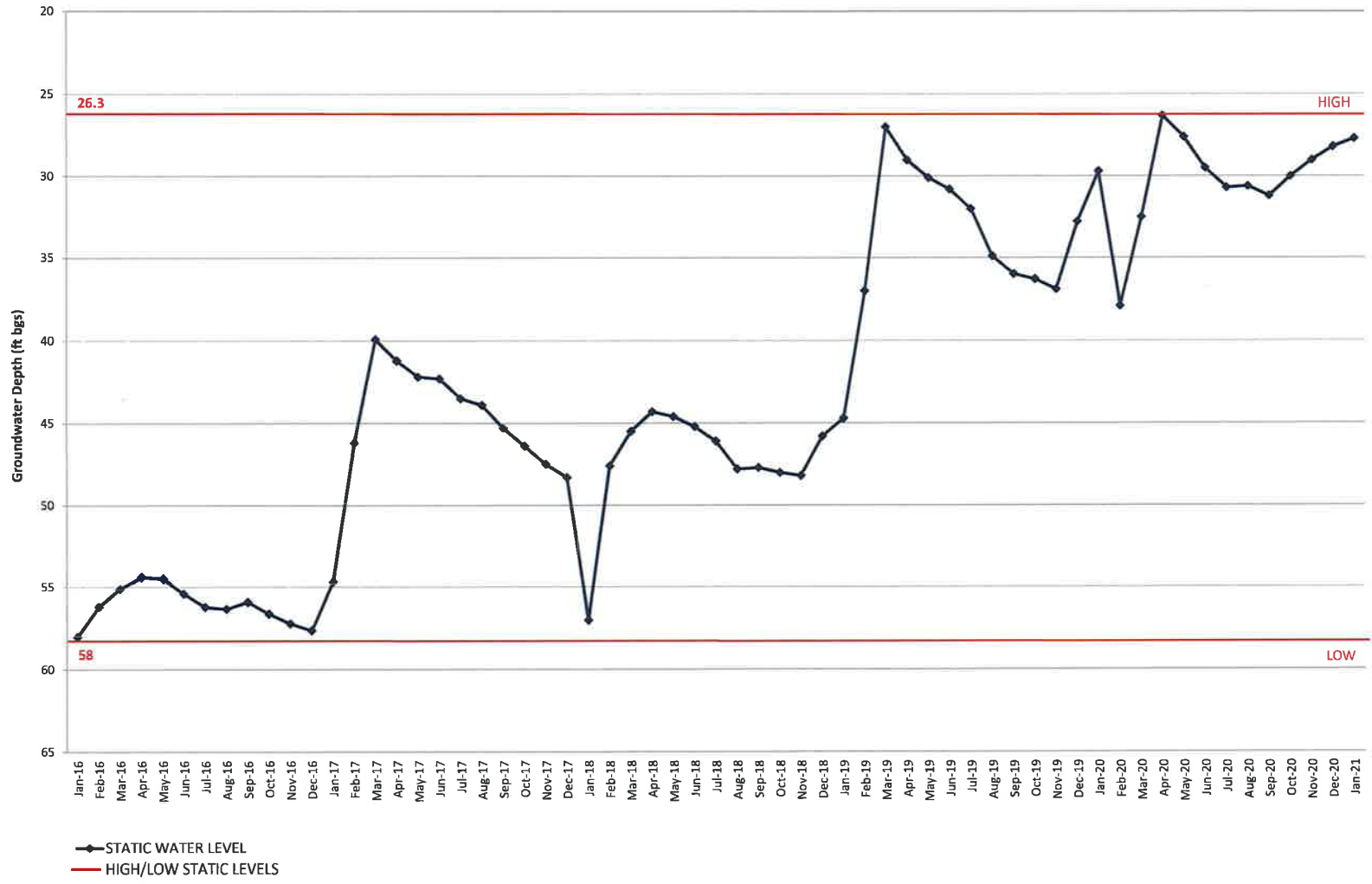
**SCV WATER WELL 160**  
**STATIC WATER LEVEL**



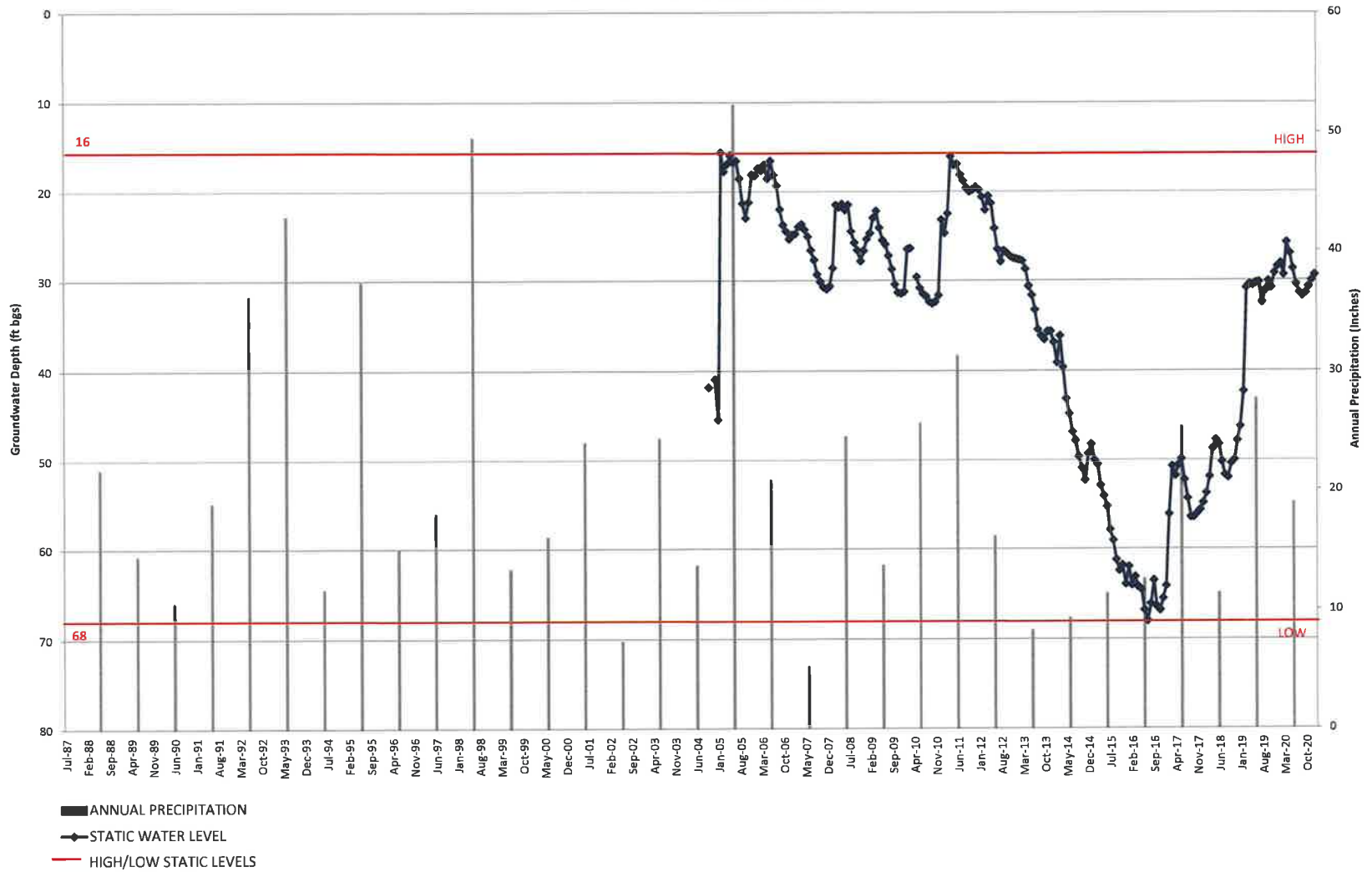
**SCV WATER WELL W9**  
**STATIC WATER LEVEL VS PRECIPITATION**



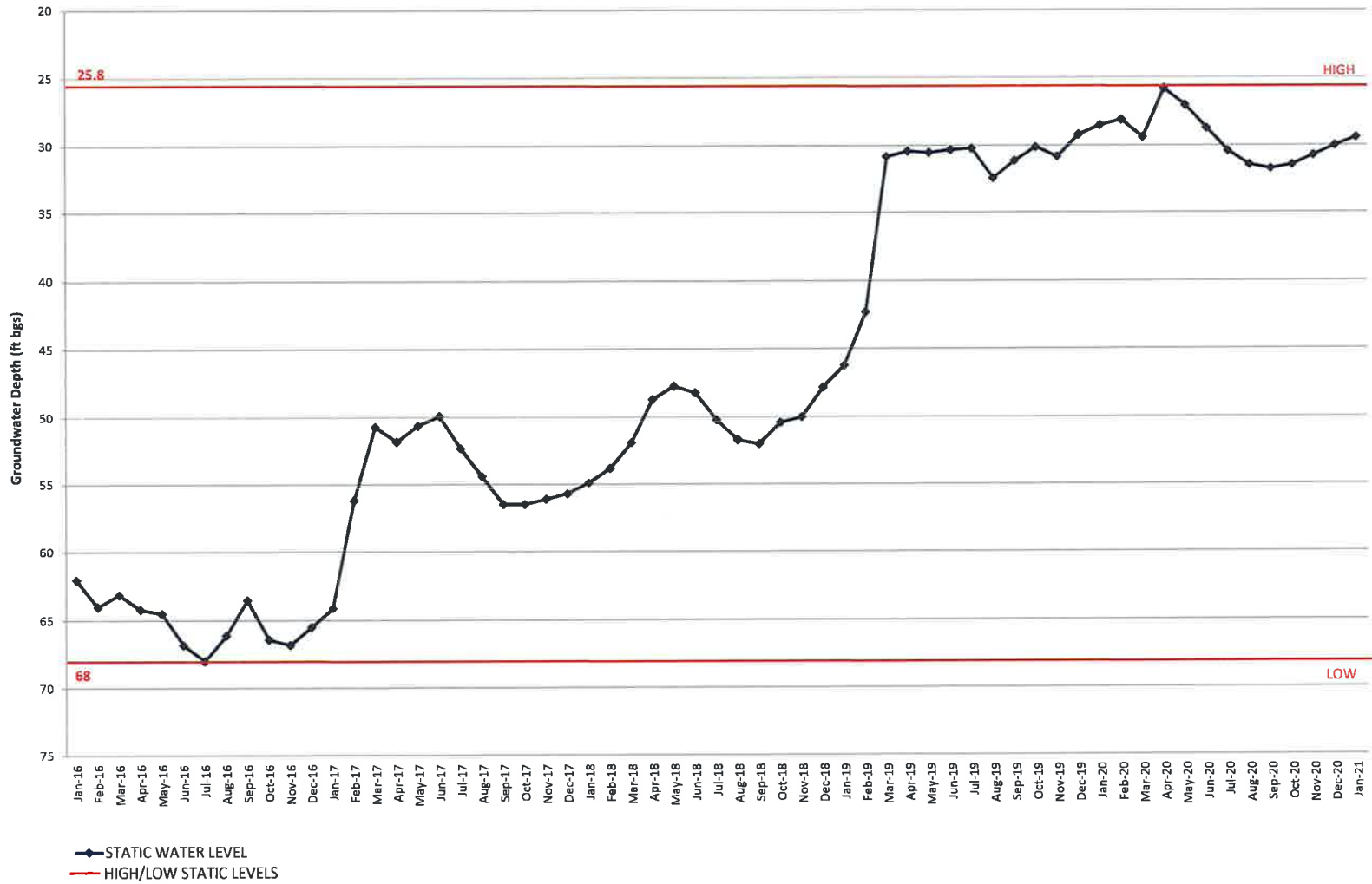
**SCV WATER WELL W9**  
**STATIC WATER LEVEL**



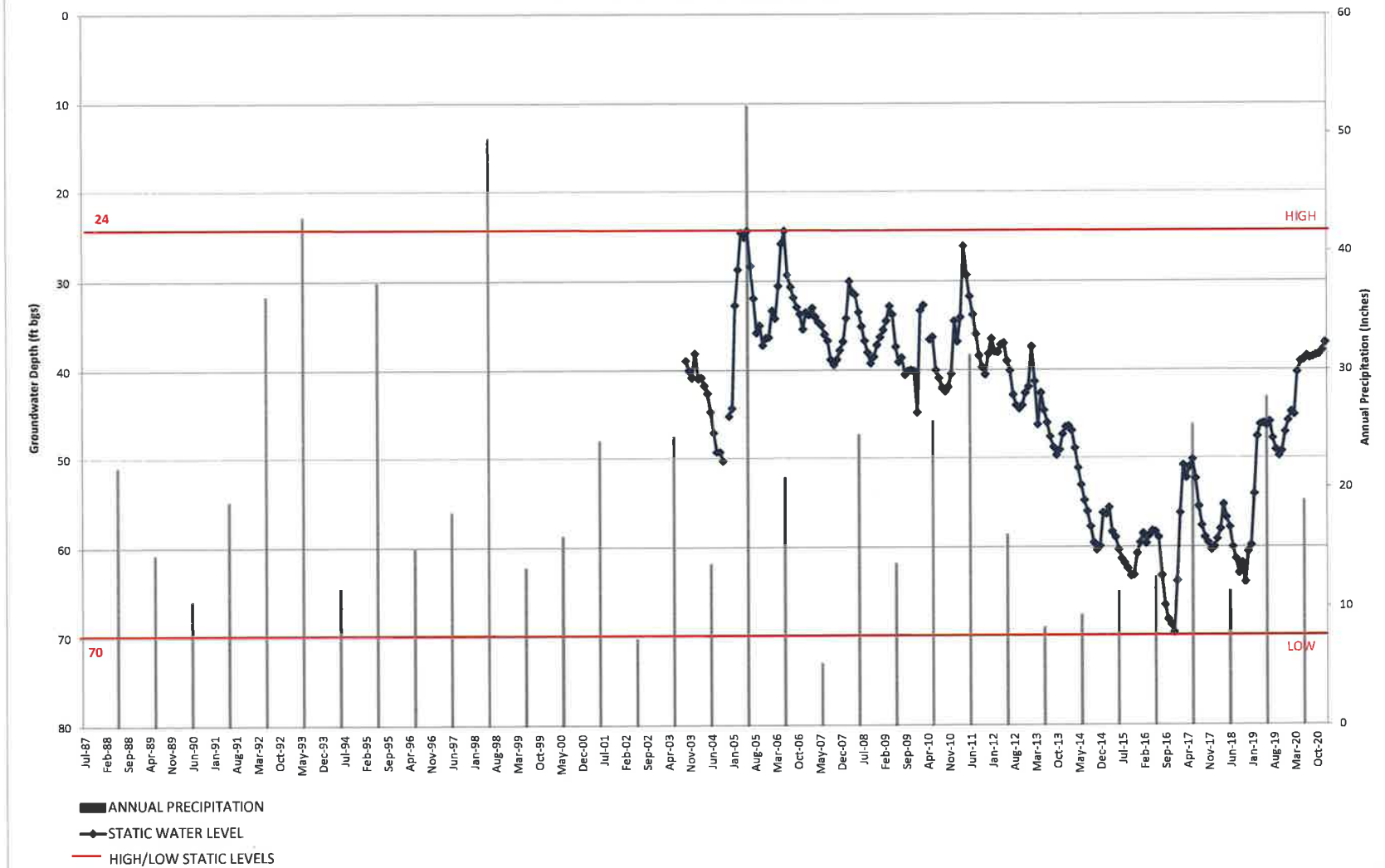
**SCV WATER WELL W11**  
**STATIC WATER LEVEL VS PRECIPITATION**



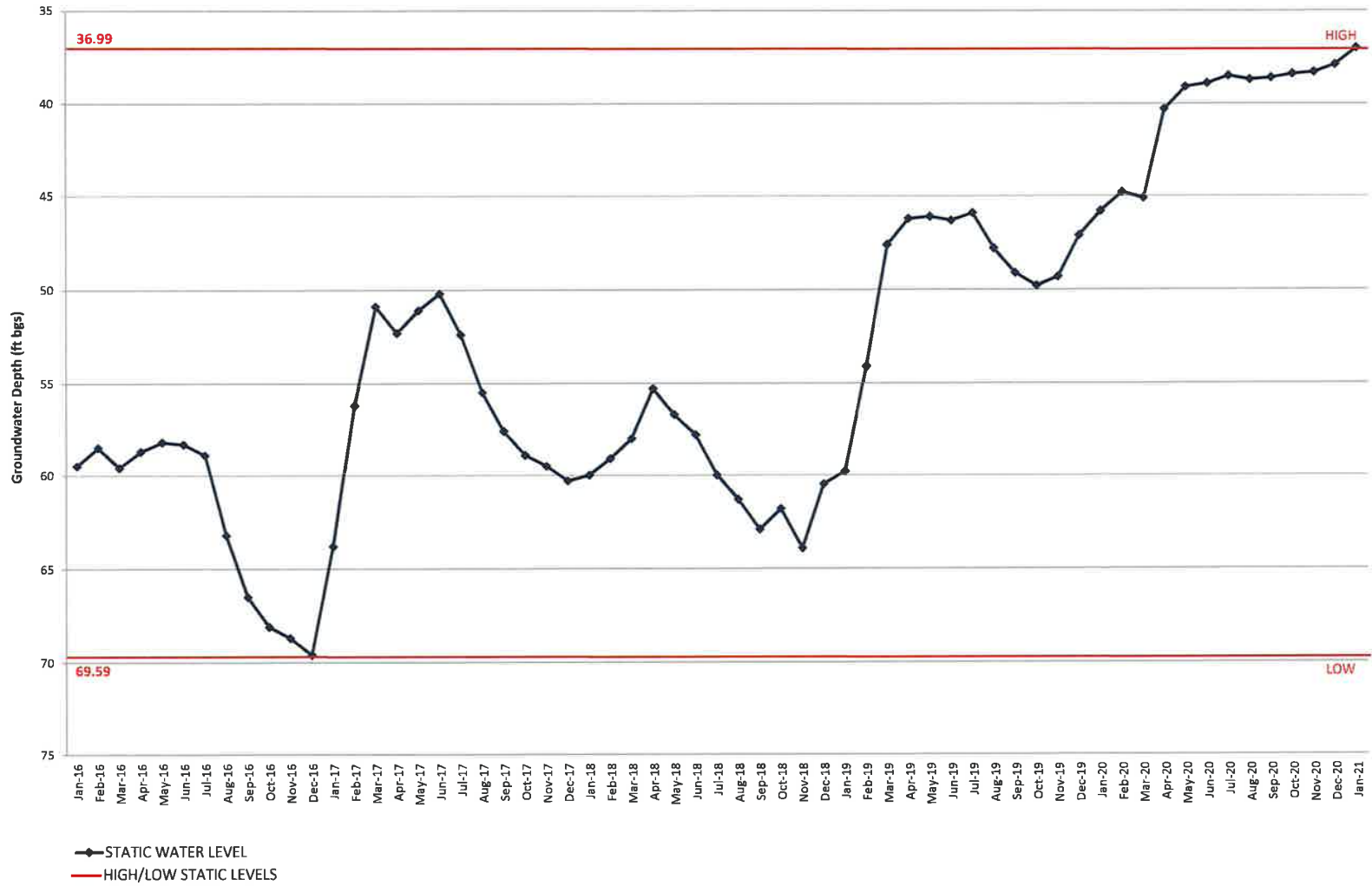
**SCV WATER WELL W11**  
**STATIC WATER LEVEL**



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

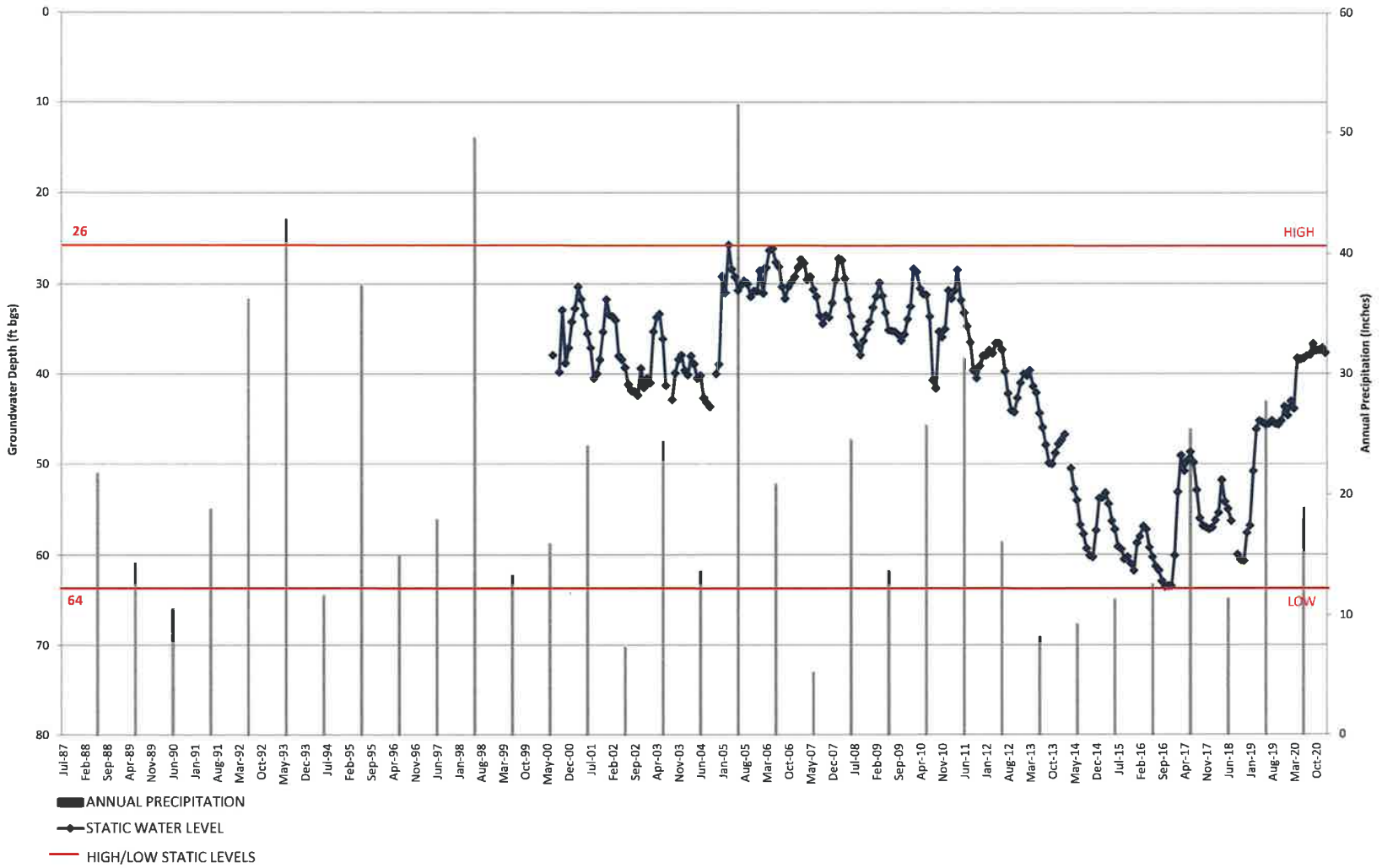


**SCV WATER WELL W10**  
**STATIC WATER LEVEL**

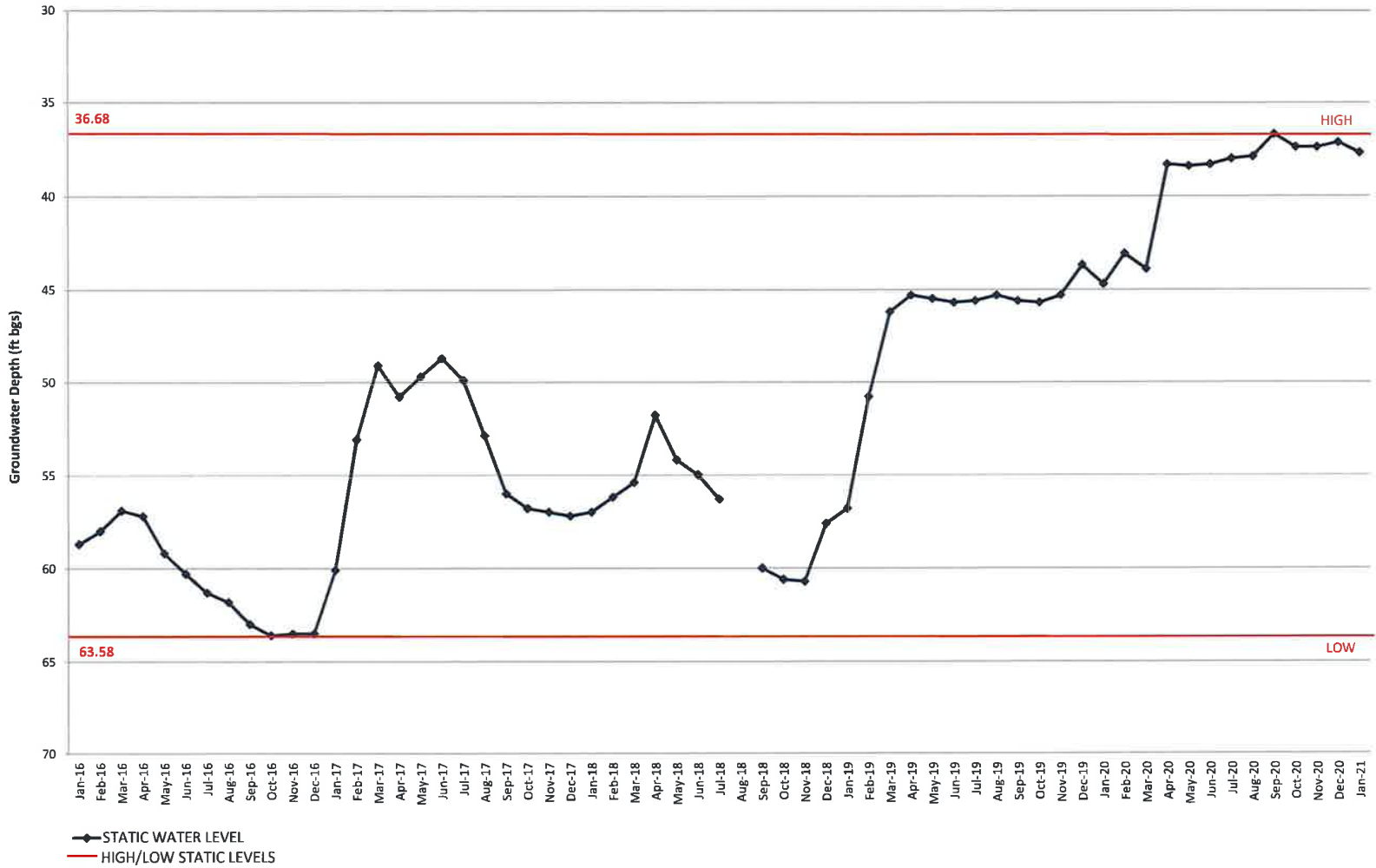




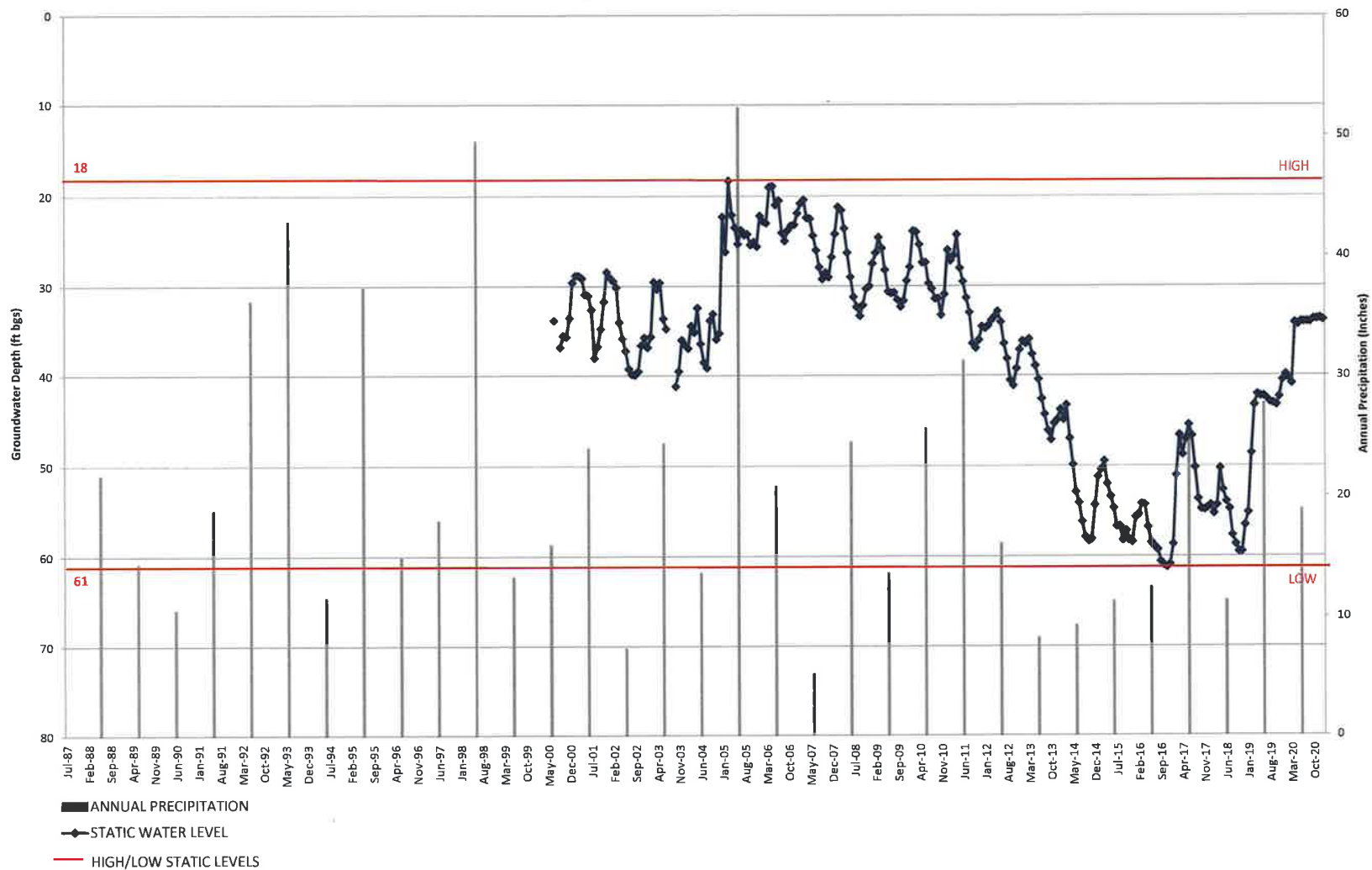
**SCV WATER WELL S6**  
**STATIC WATER LEVEL VS PRECIPITATION**



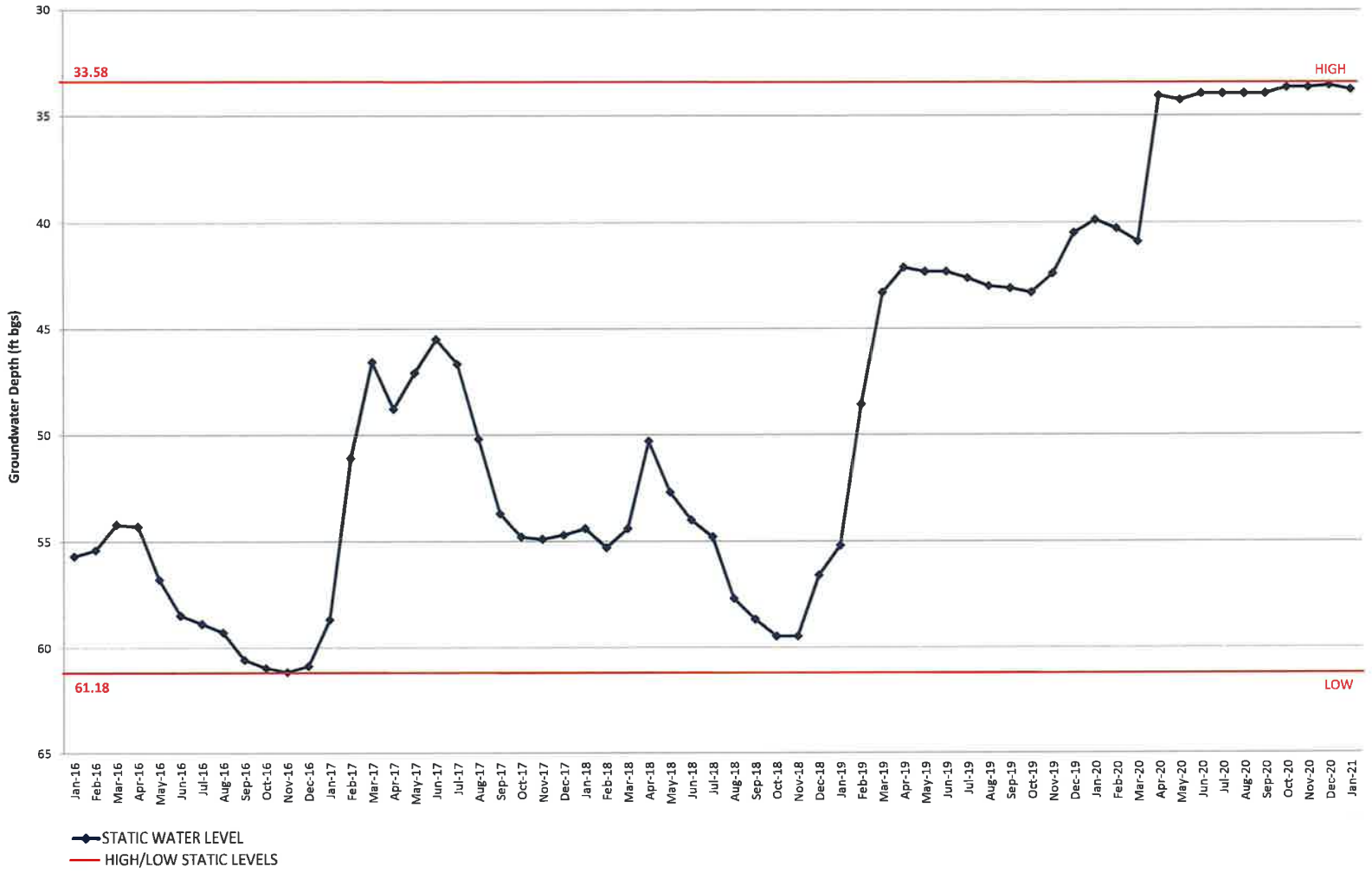
**SCV WATER WELL S6**  
**STATIC WATER LEVEL**



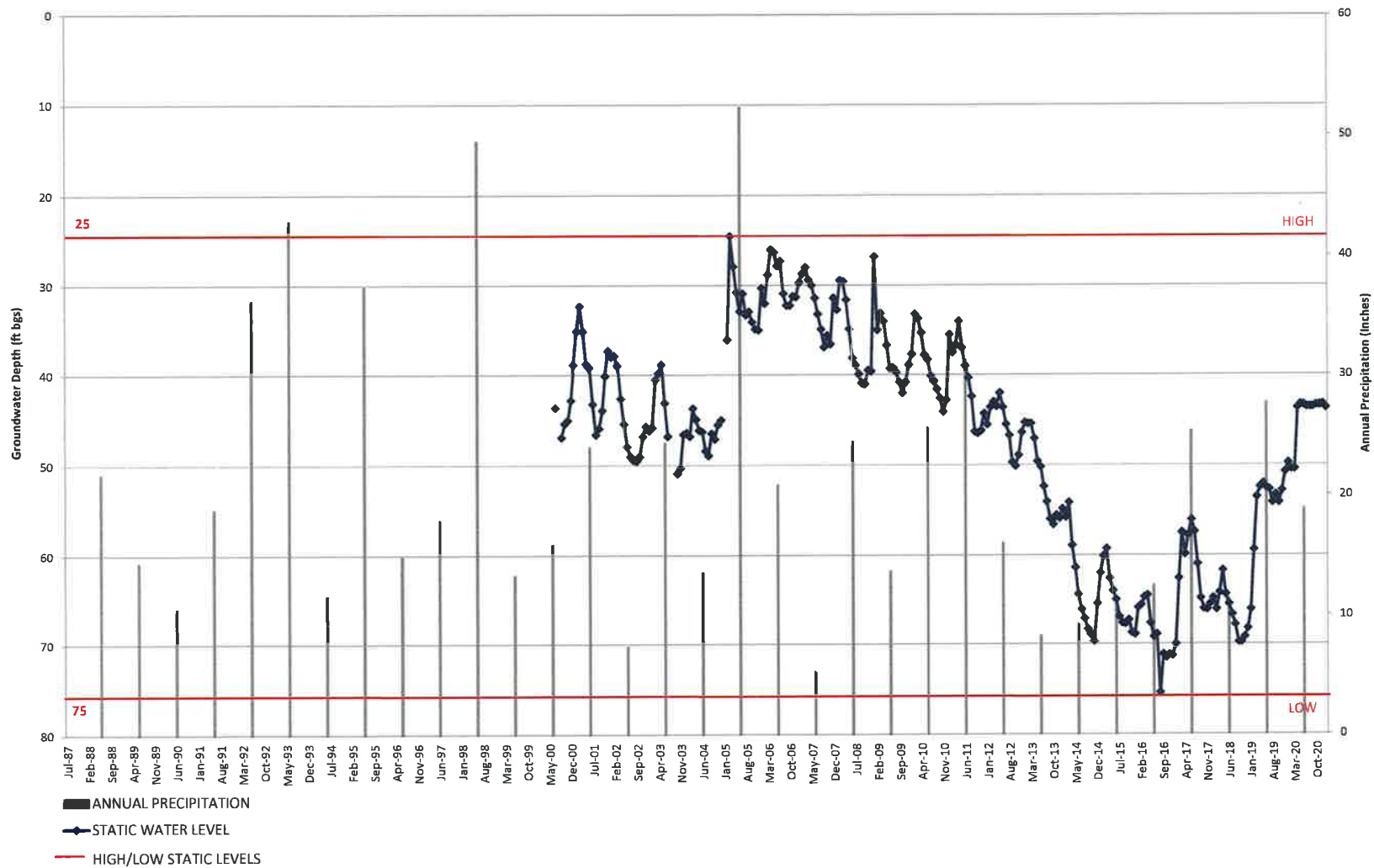
**SCV WATER WELL S7**  
**STATIC WATER LEVEL VS PRECIPITATION**



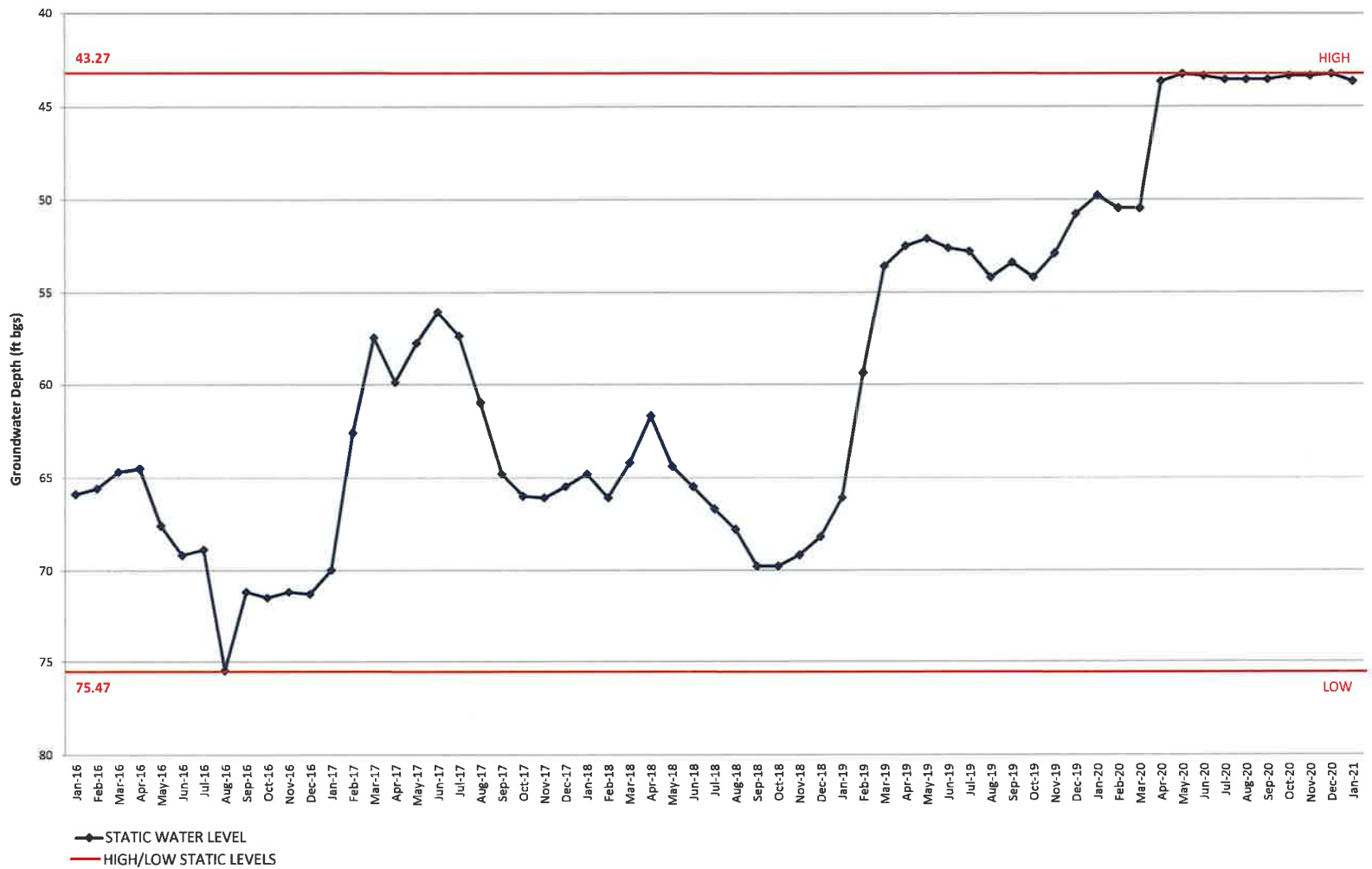
**SCV WATER WELL S7**  
**STATIC WATER LEVEL**



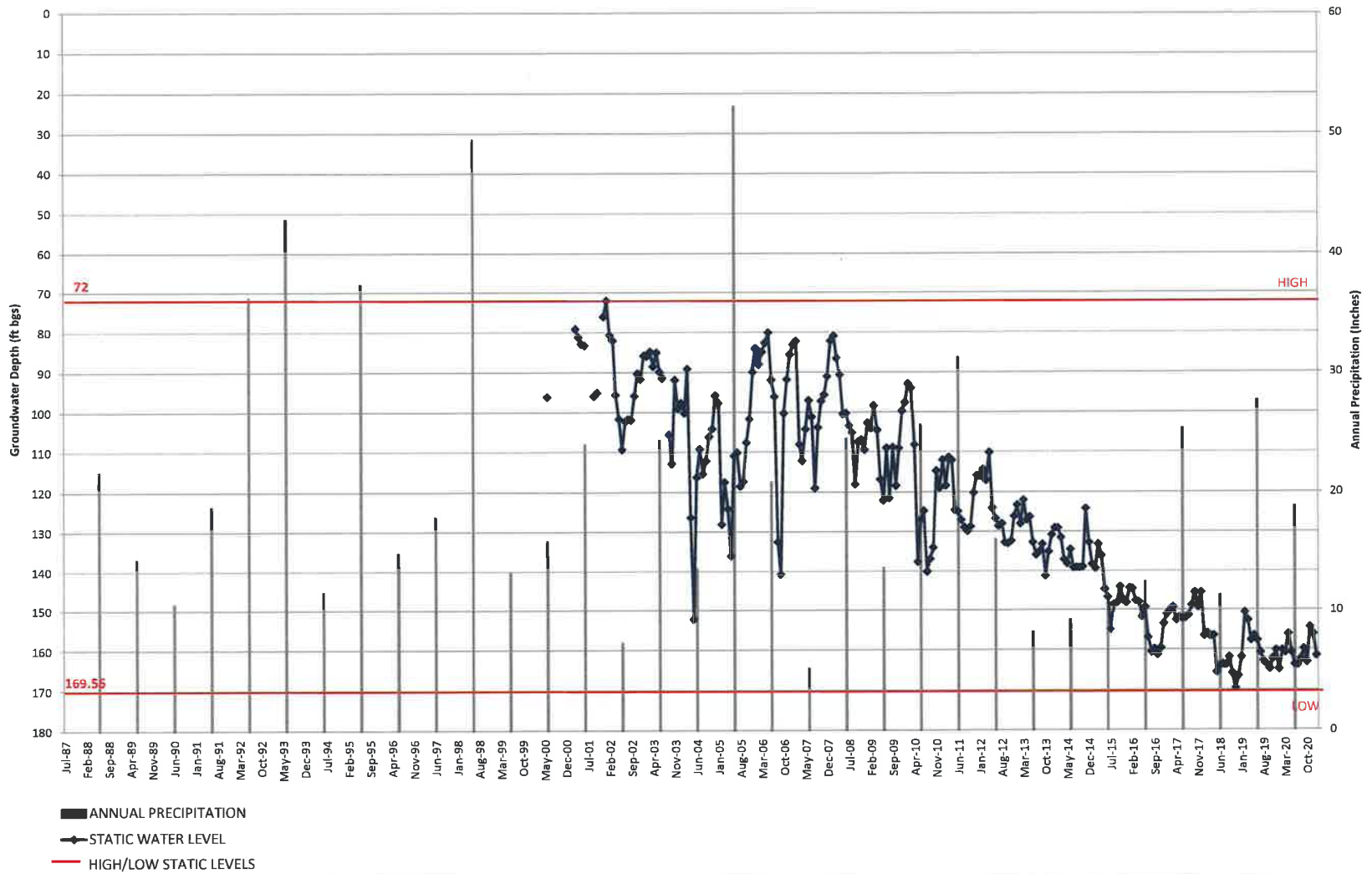
**SCV WATER WELL S8**  
 STATIC WATER LEVEL VS PRECIPITATION



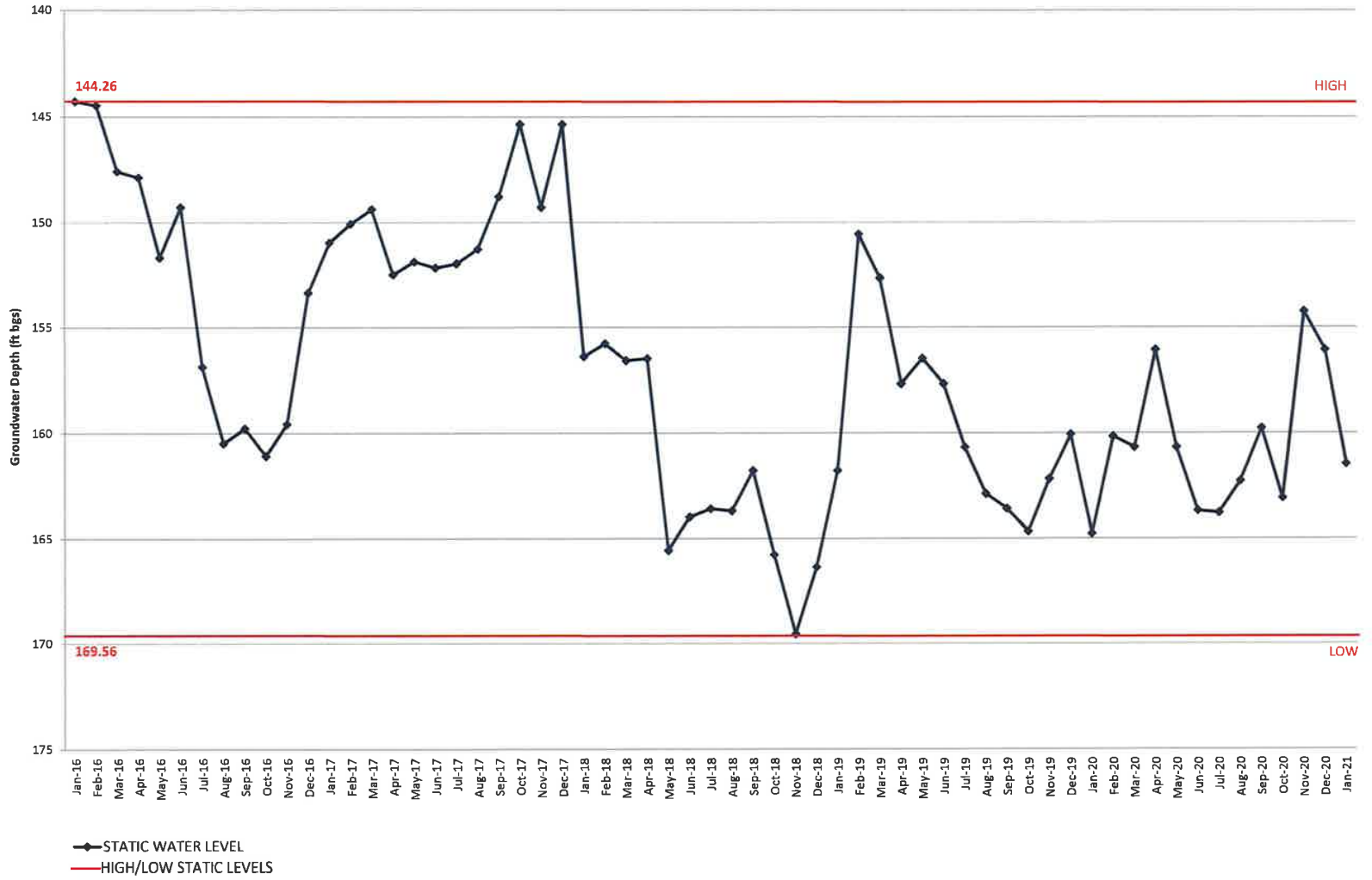
**SCV WATER WELL S8**  
 STATIC WATER LEVEL



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

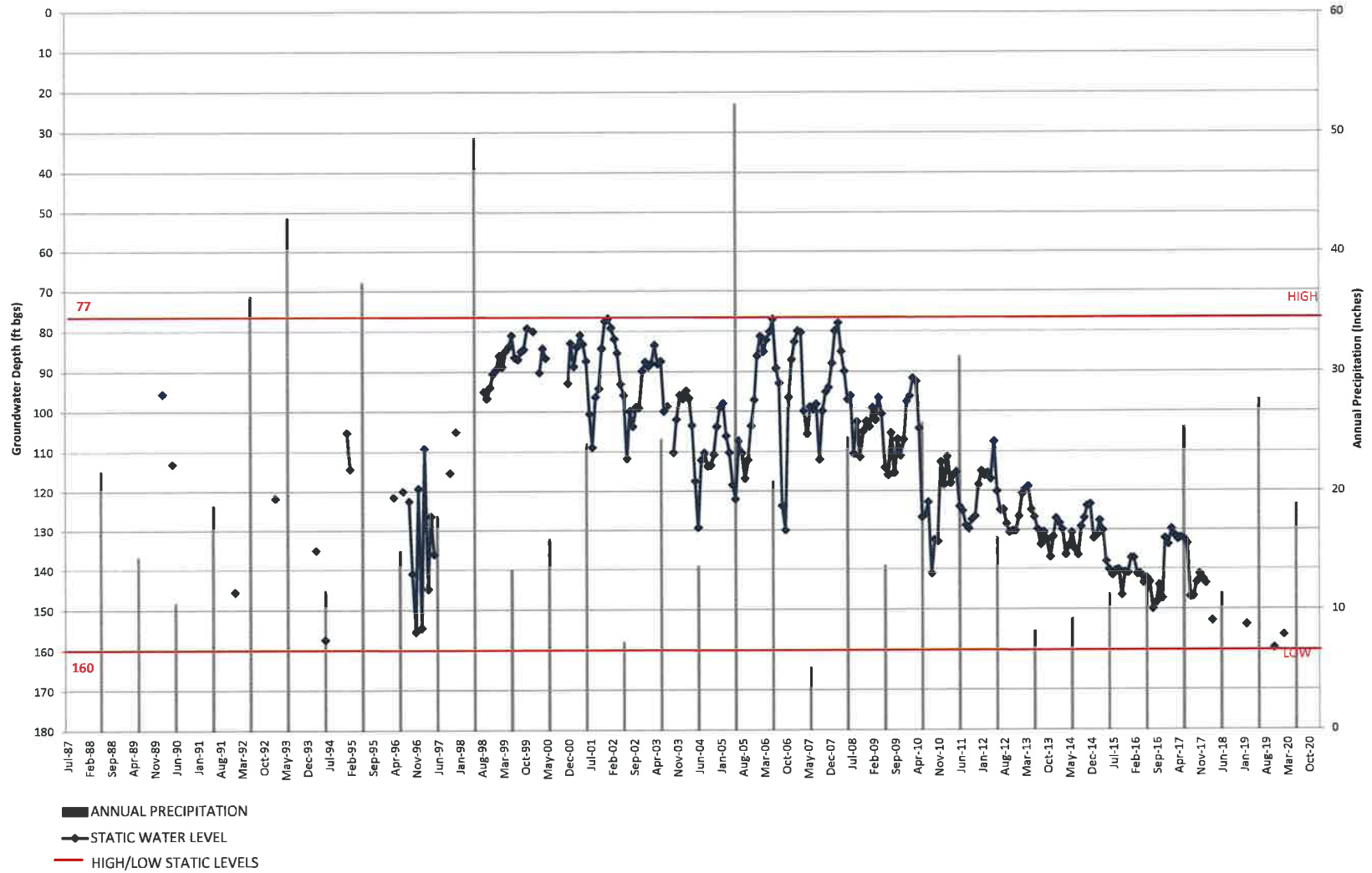


**SCV WATER WELL 205**  
**STATIC WATER LEVEL**

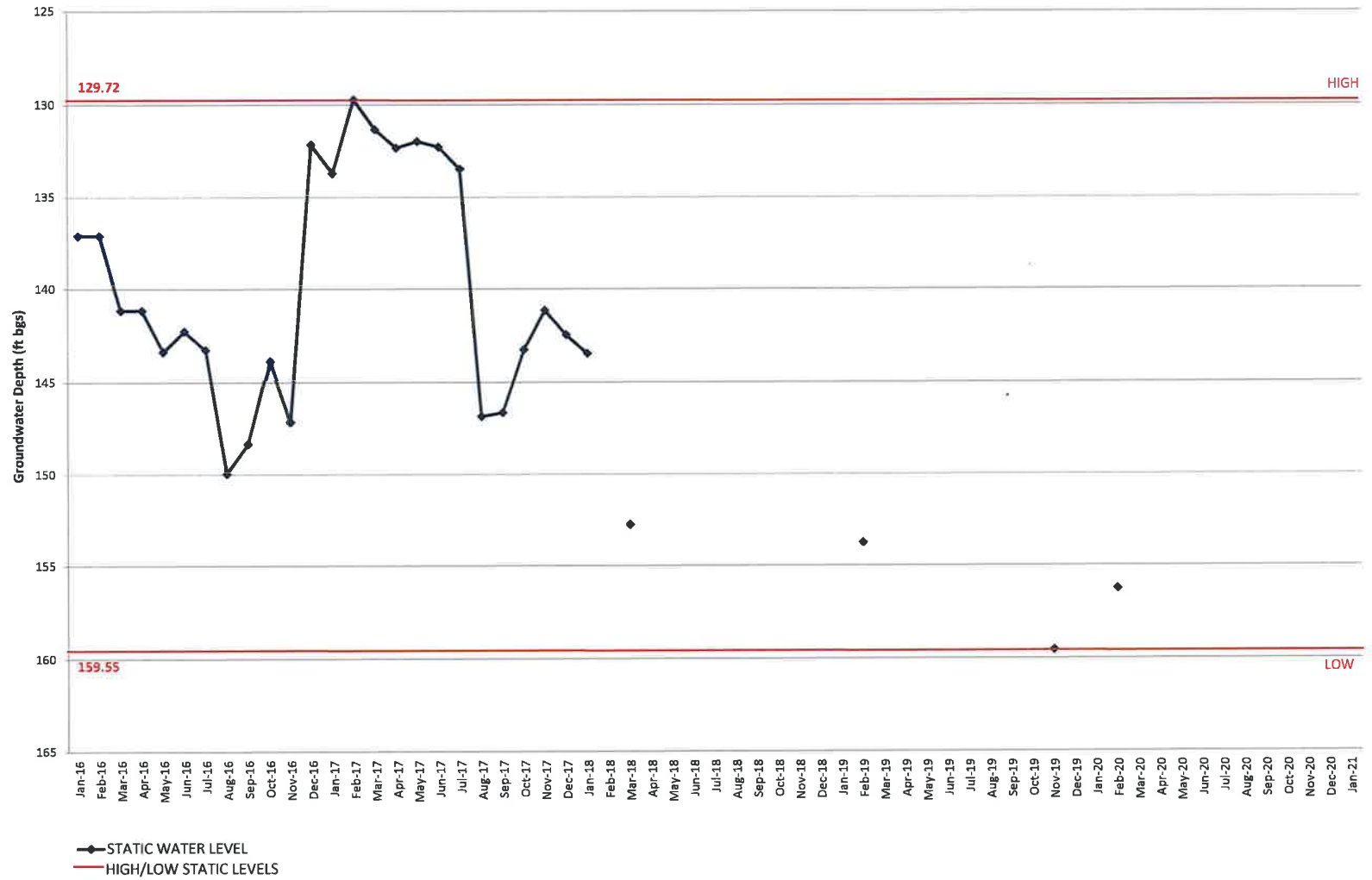




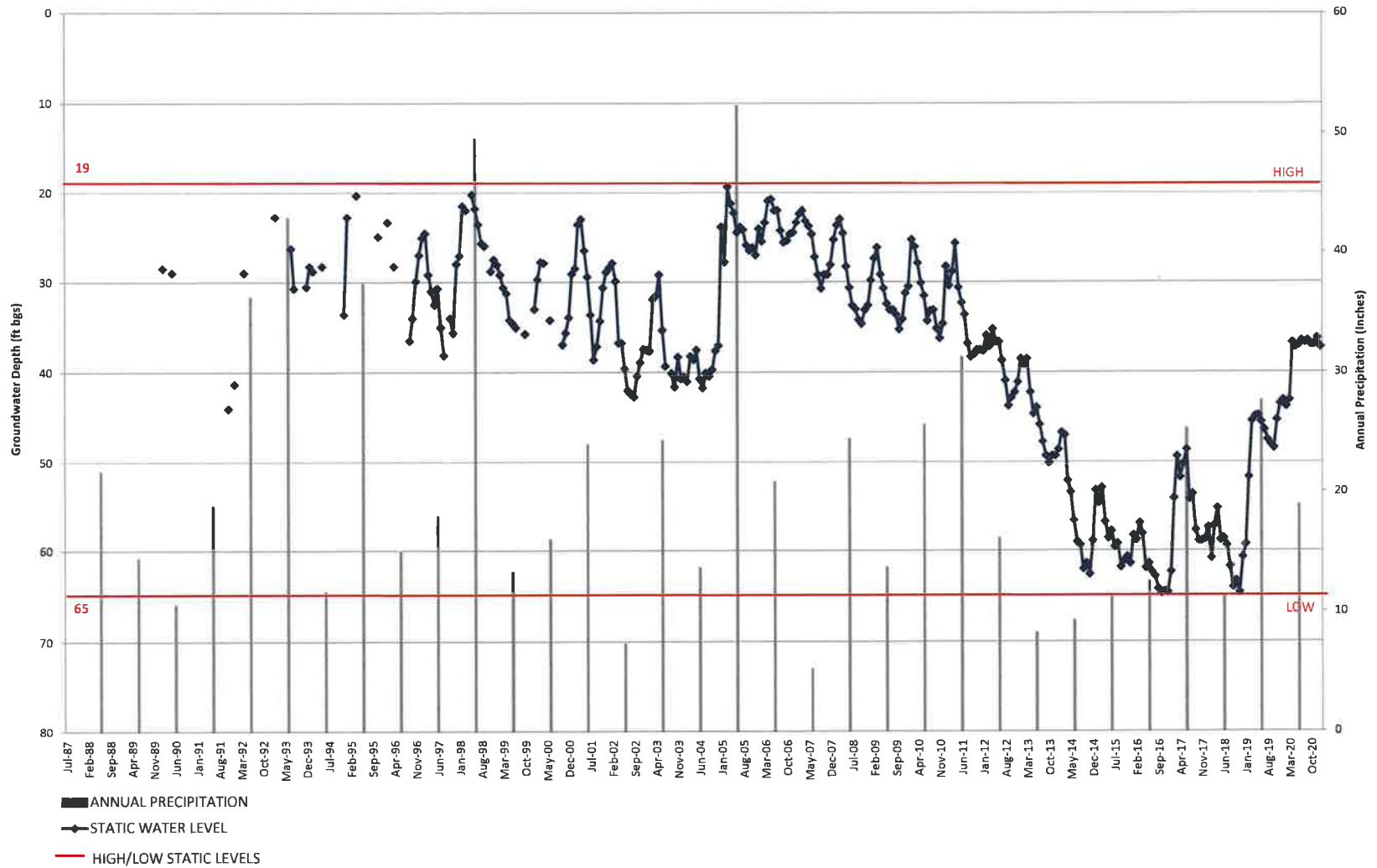
**SCV WATER WELL 201**  
 STATIC WATER LEVEL VS PRECIPITATION



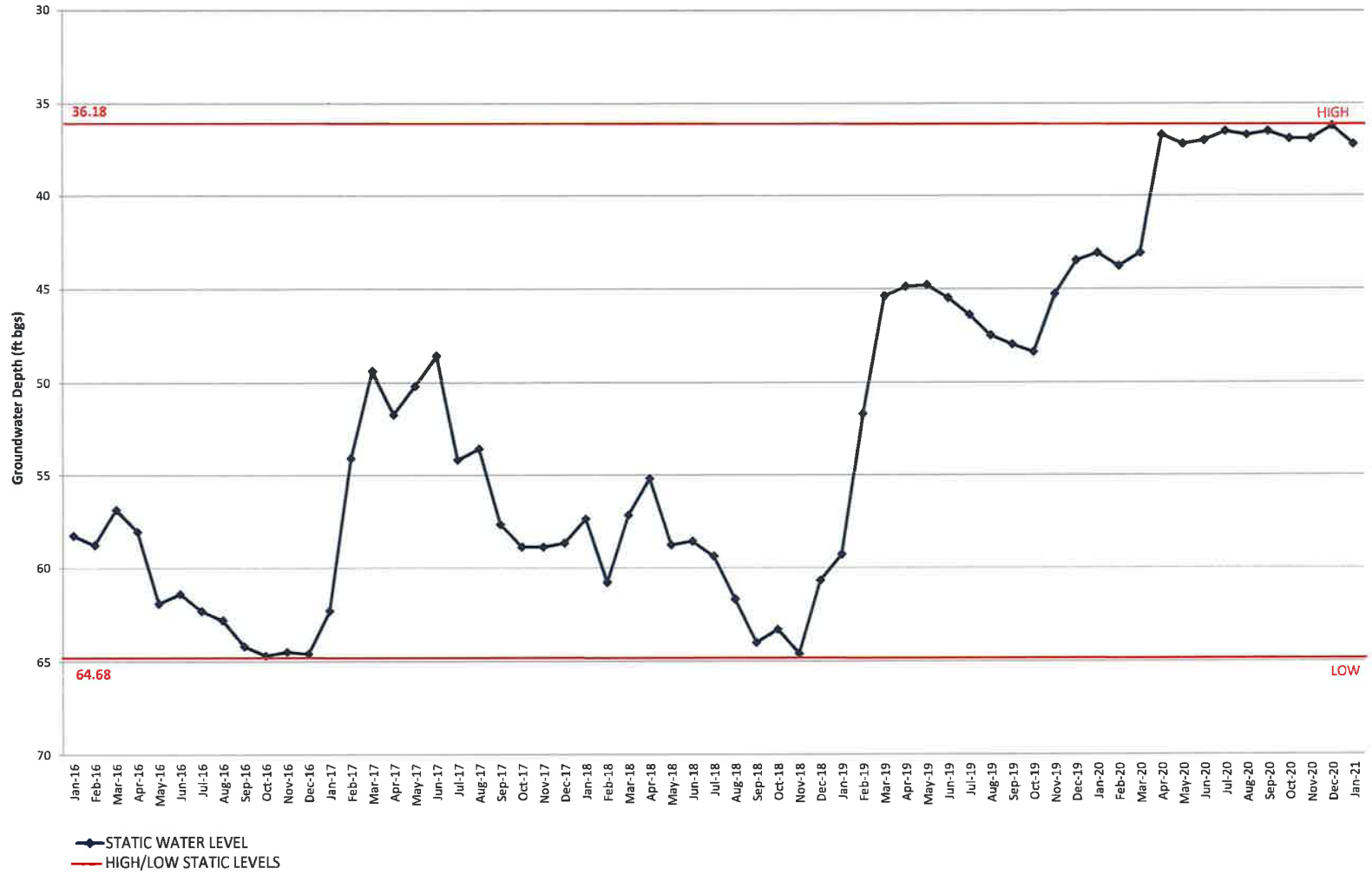
**SCV WATER WELL 201**  
**STATIC WATER LEVEL**



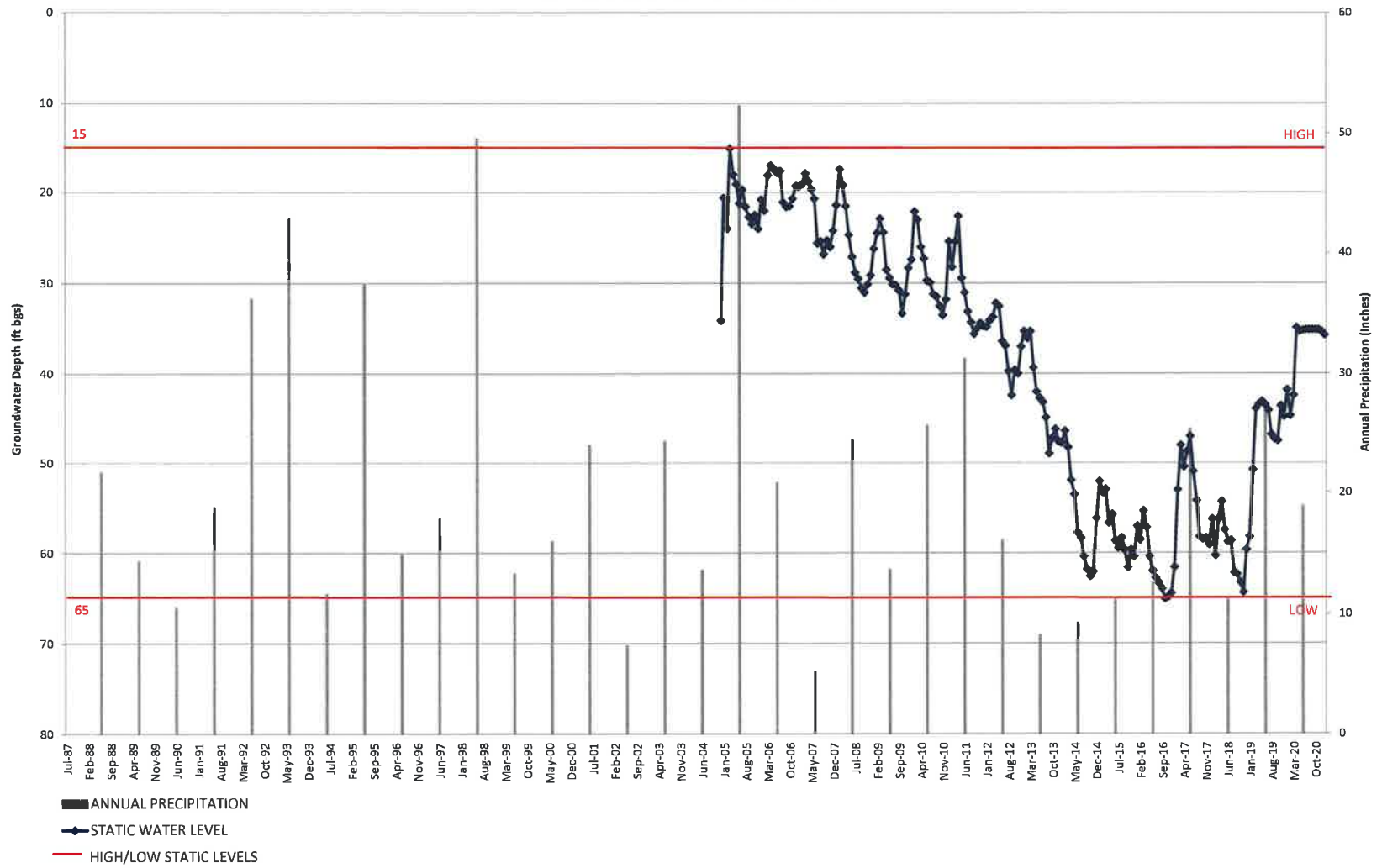
**SCV WATER WELL N**  
 STATIC WATER LEVEL VS PRECIPITATION



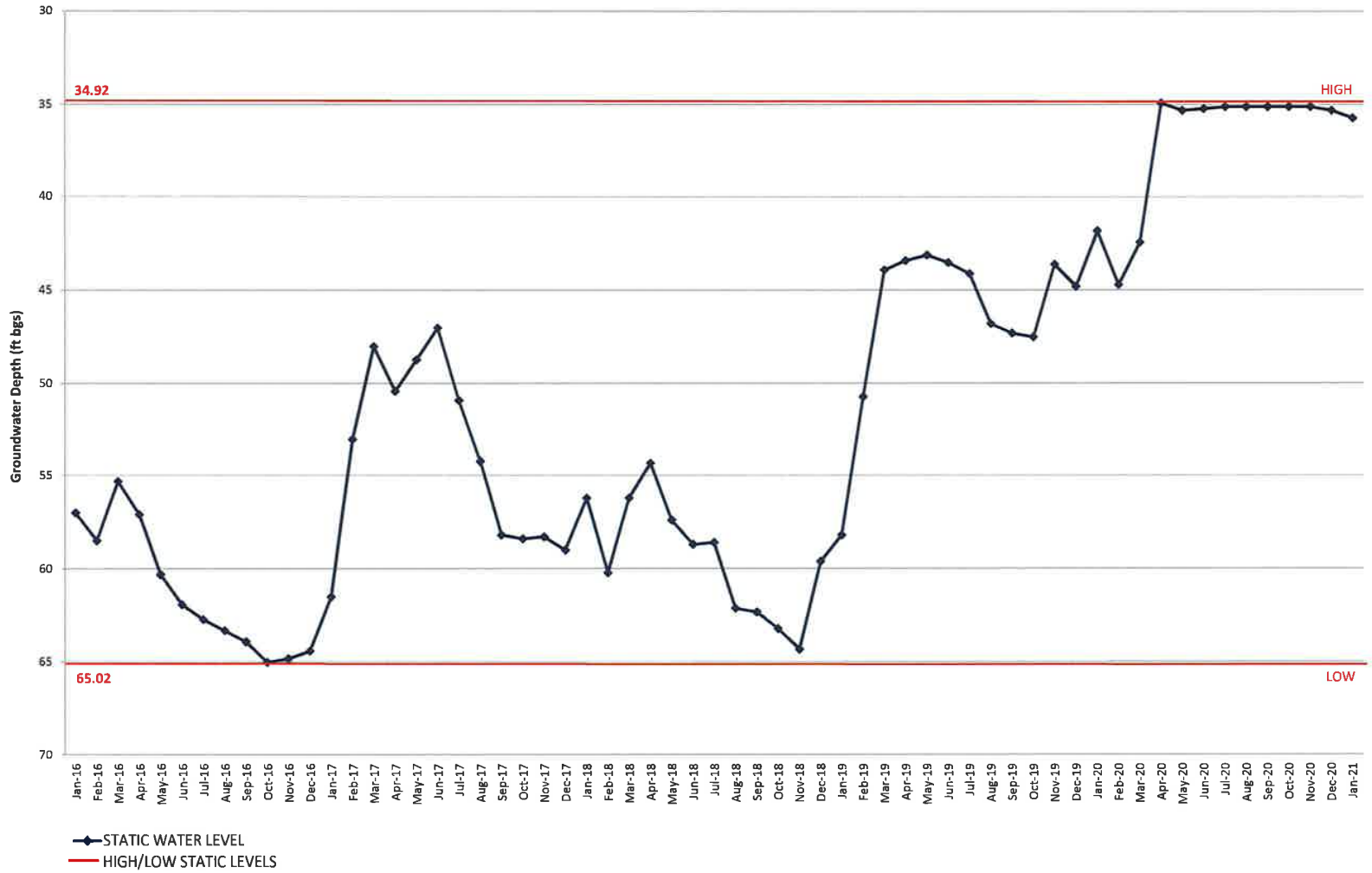
**SCV WATER WELL N**  
**STATIC WATER LEVEL**



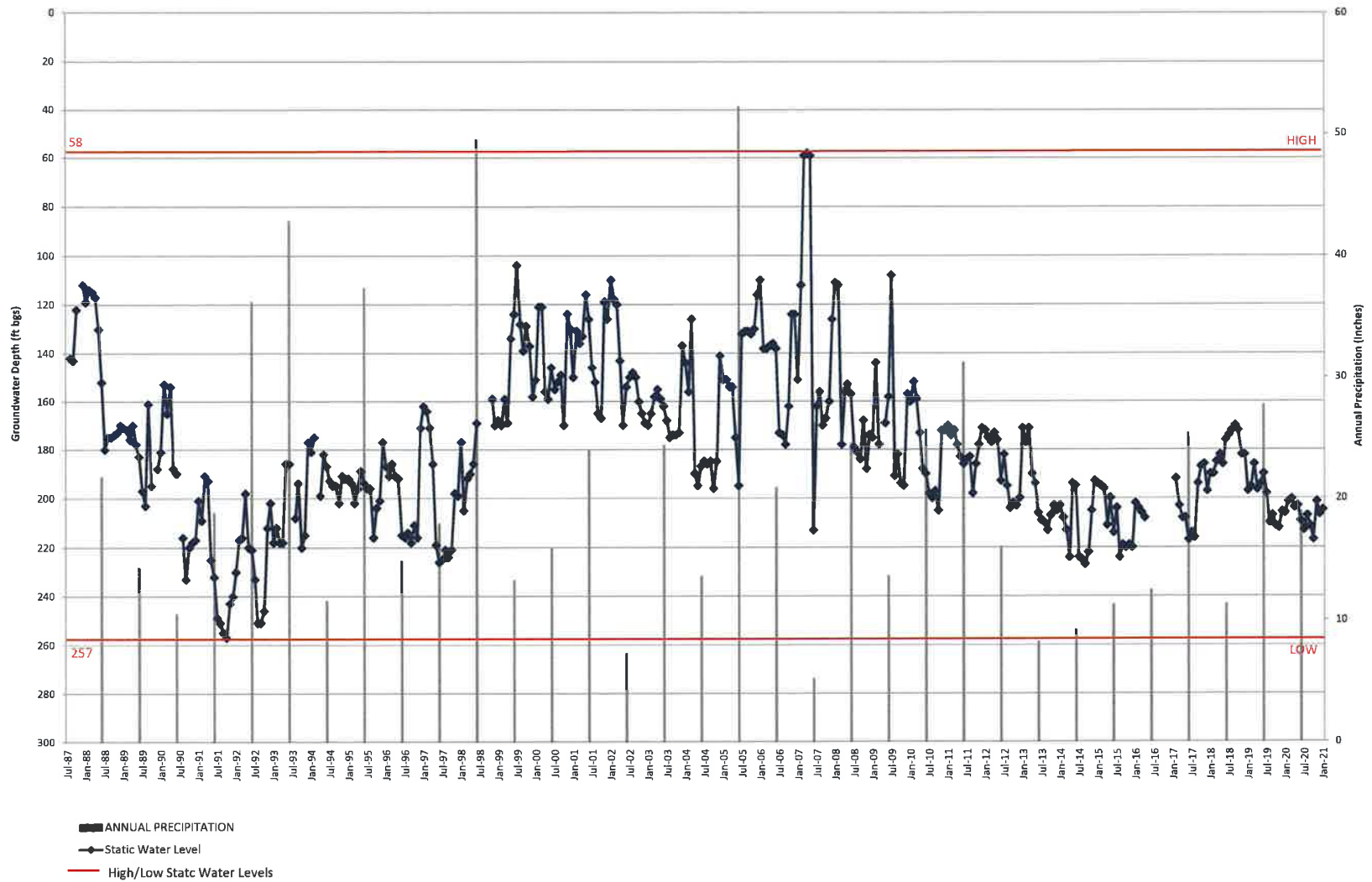
**SCV WATER WELL N7**  
**STATIC WATER LEVEL VS PRECIPITATION**



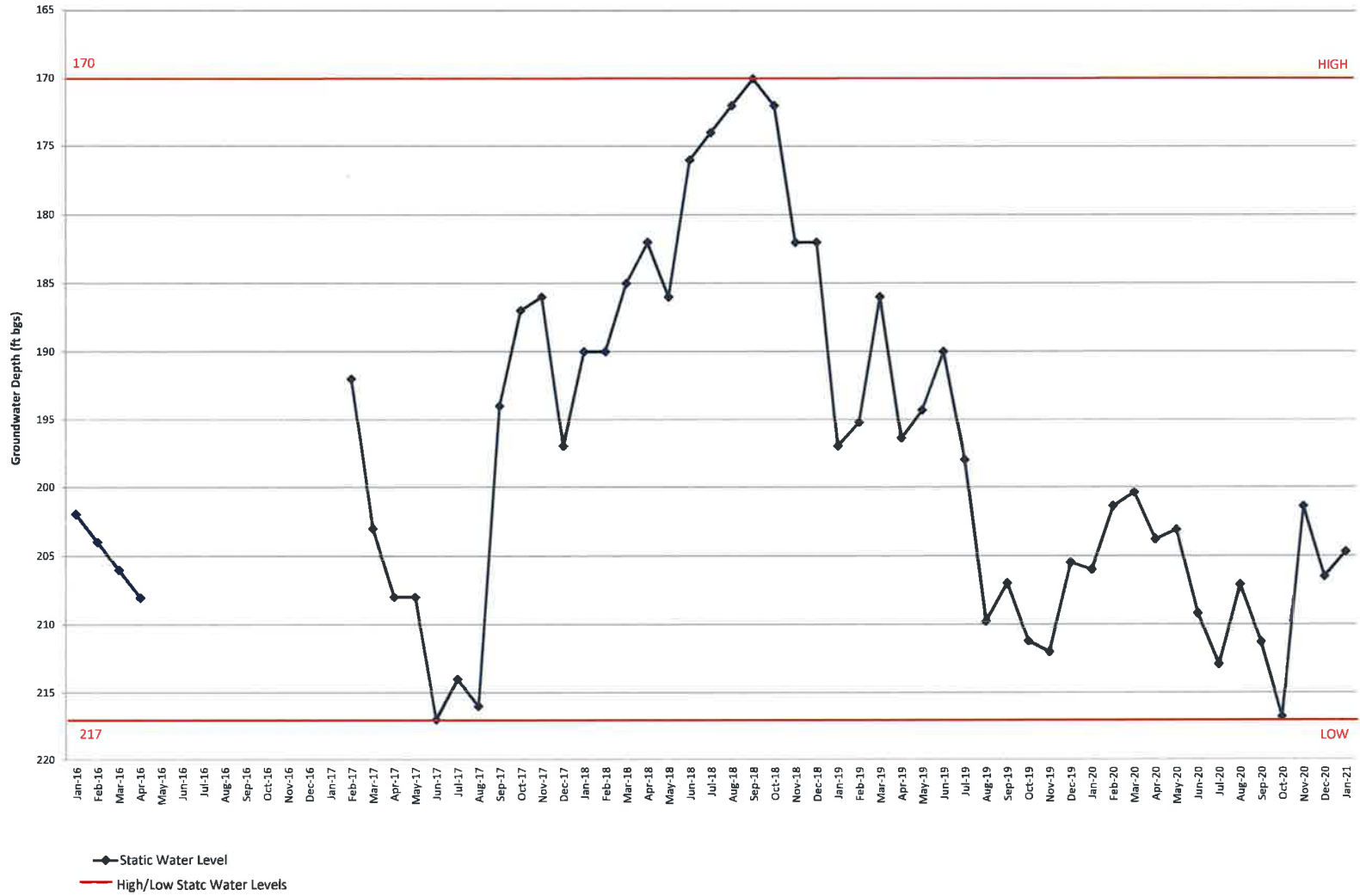
**SCV WATER WELL N7**  
 STATIC WATER LEVEL



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

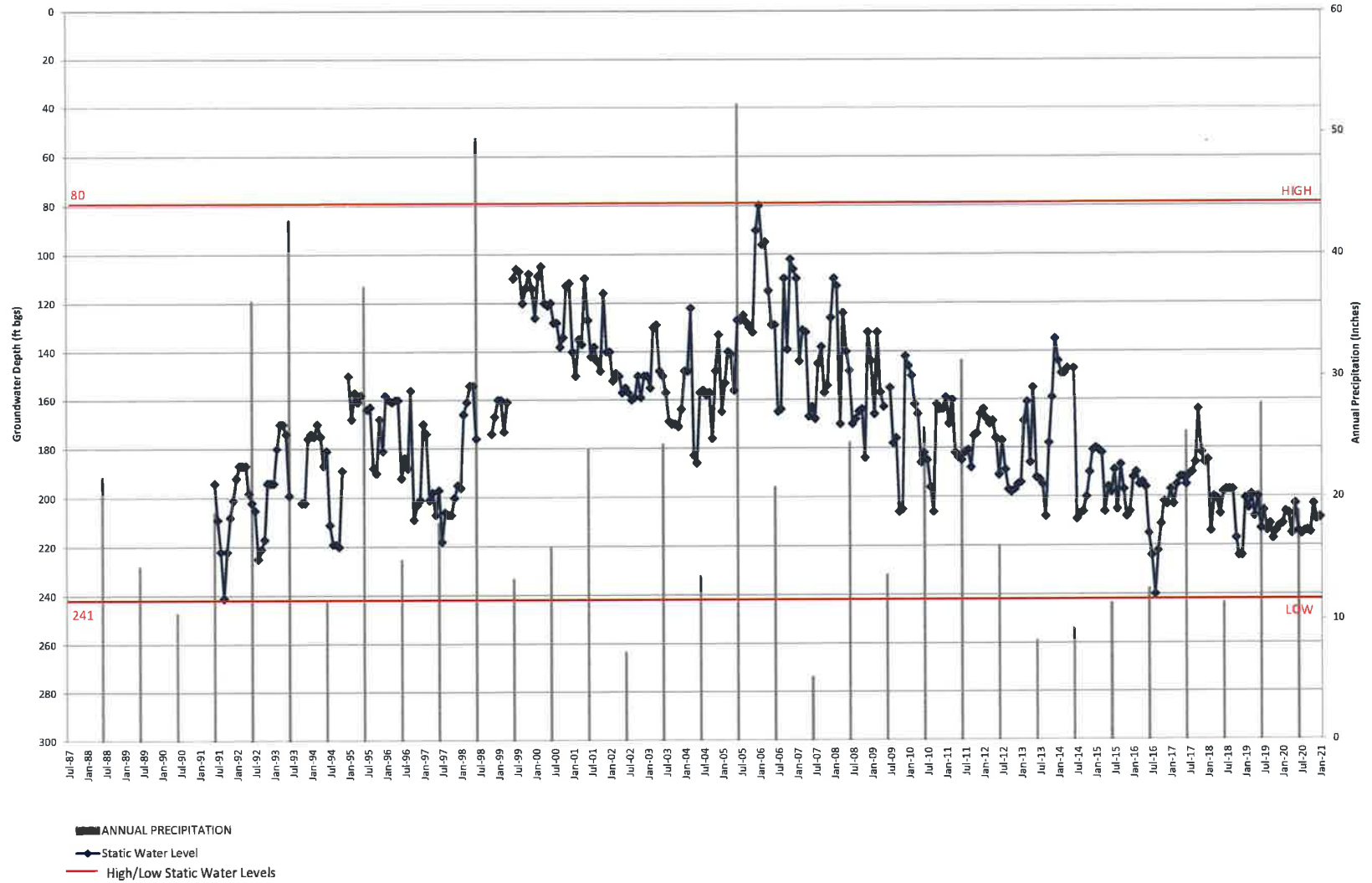


**SCV WATER WELL N12**  
**STATIC WATER LEVEL**

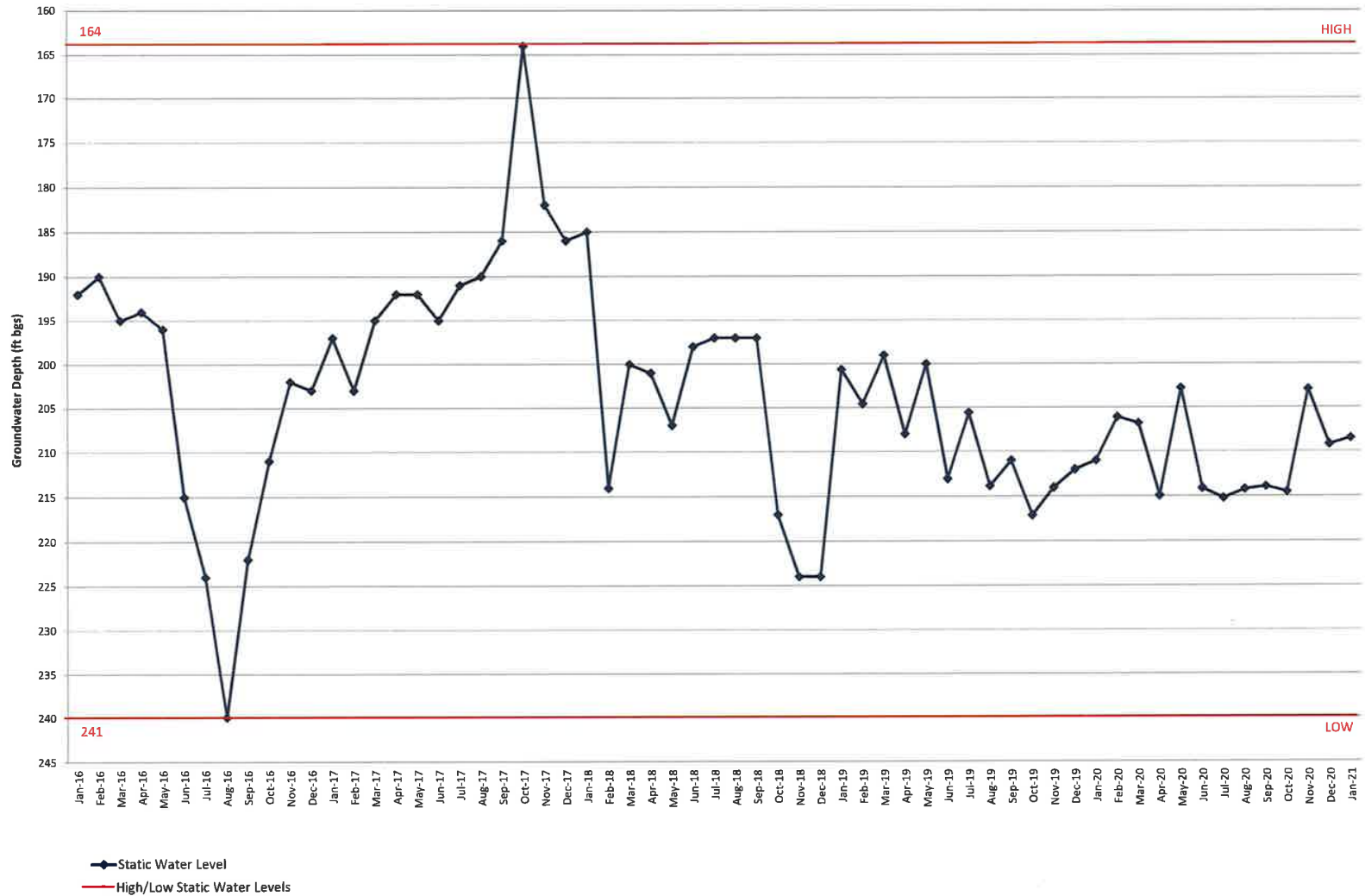




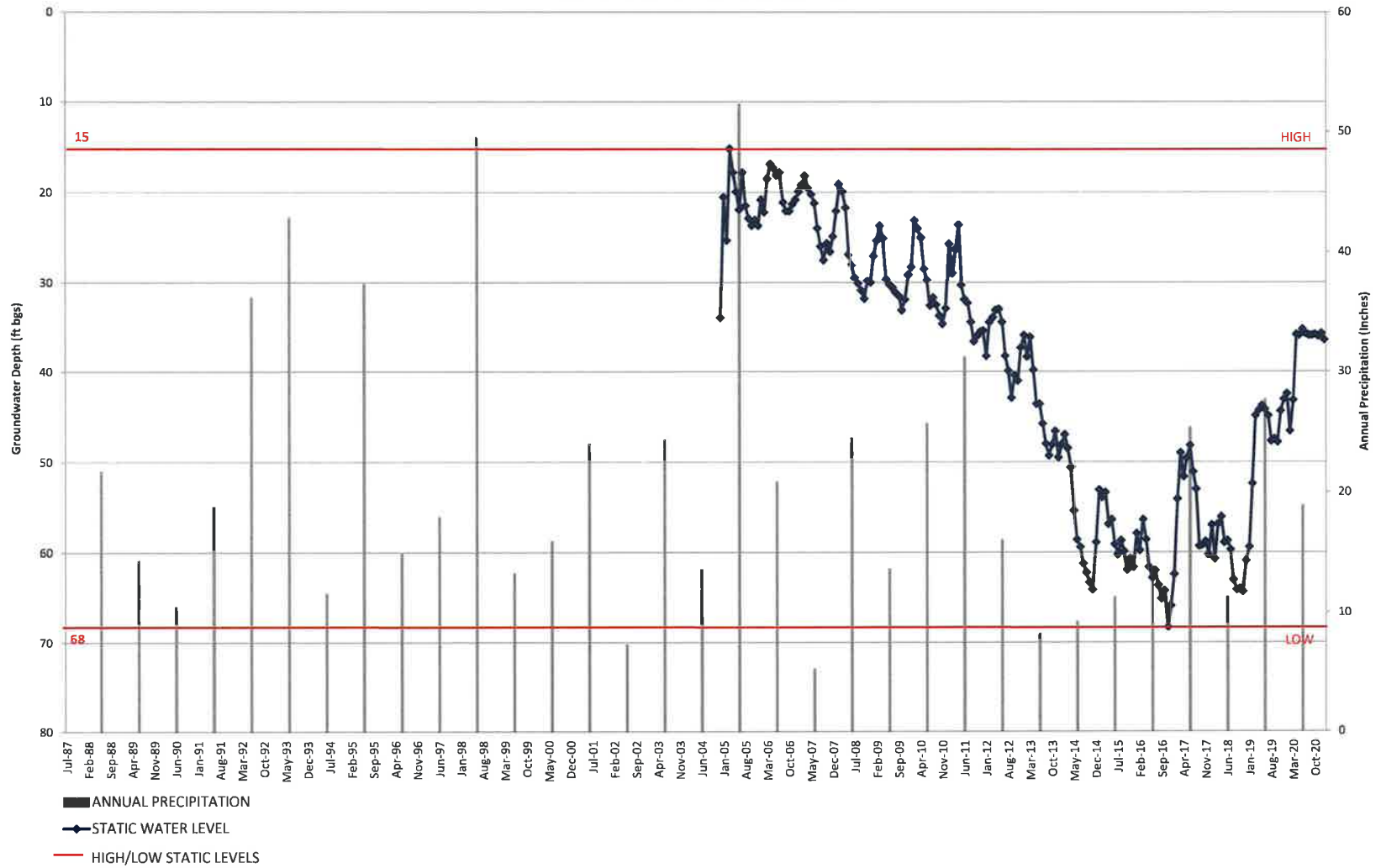
**SCV WATER WELL N13**  
**STATIC WATER LEVEL VS PRECIPITATION**



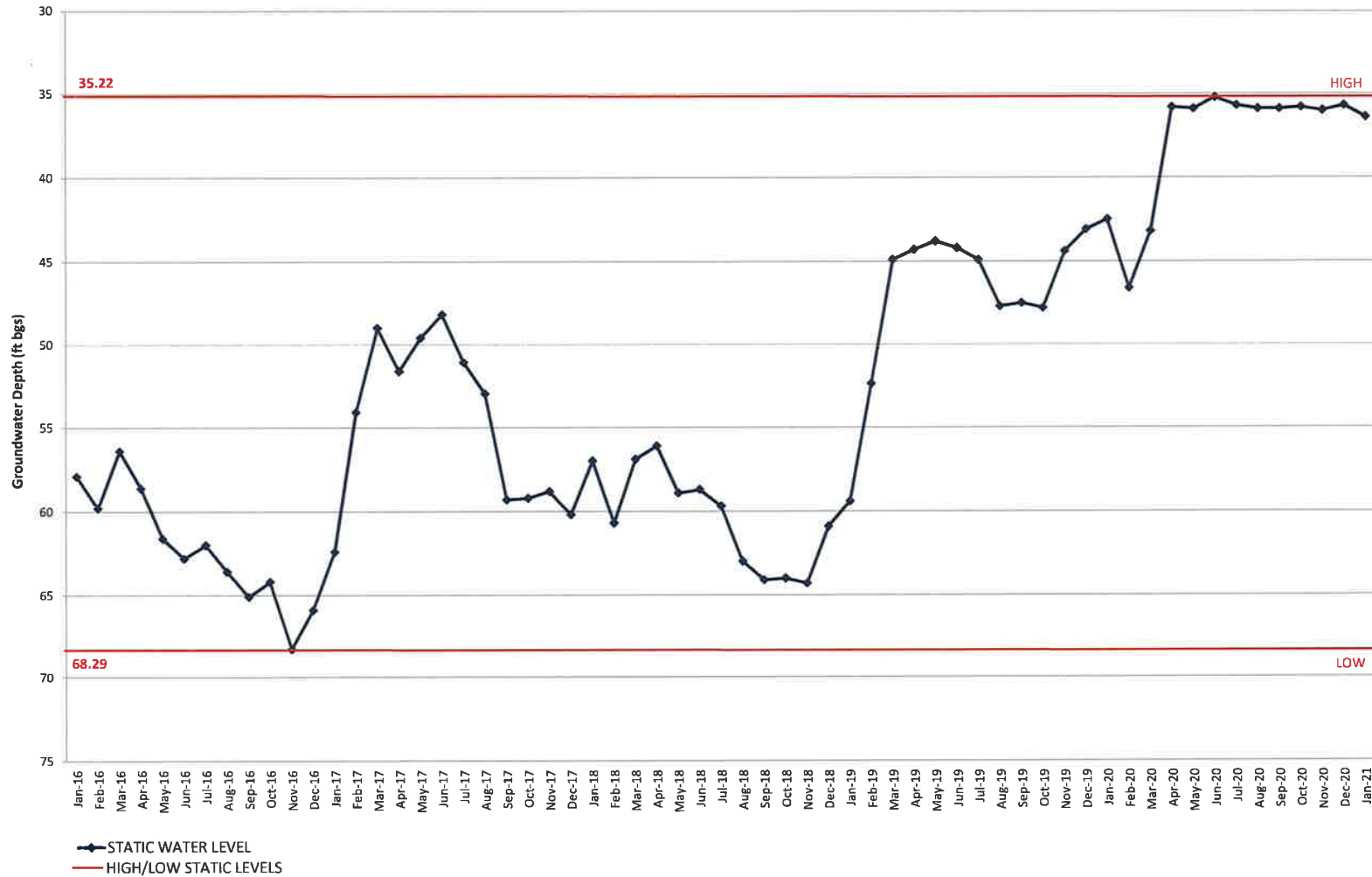
**SCV WATER WELL N13**  
**STATIC WATER LEVEL**



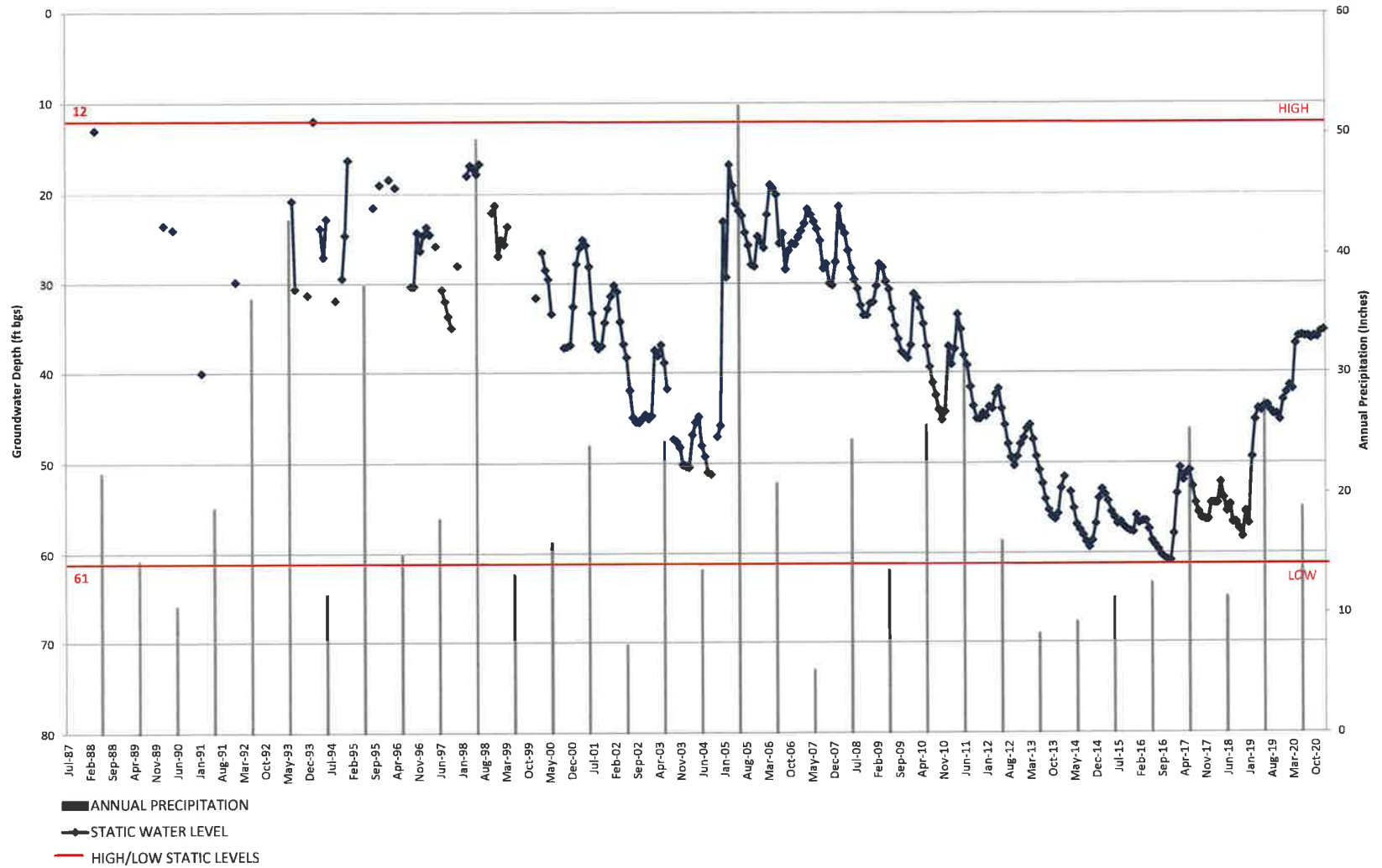
**SCV WATER WELL N8**  
**STATIC WATER LEVEL VS PRECIPITATION**



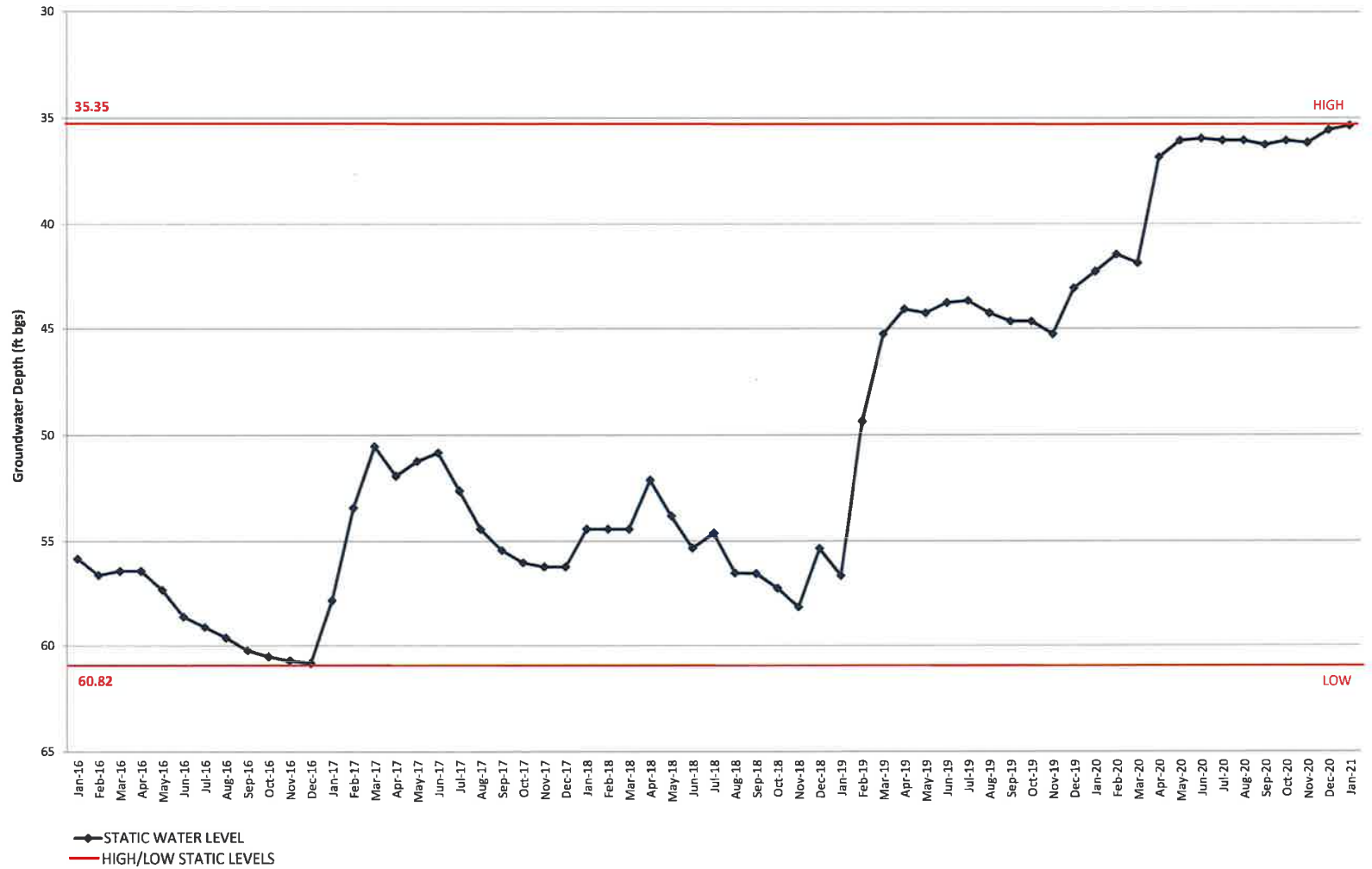
**SCV WATER WELL N8**  
**STATIC WATER LEVEL**



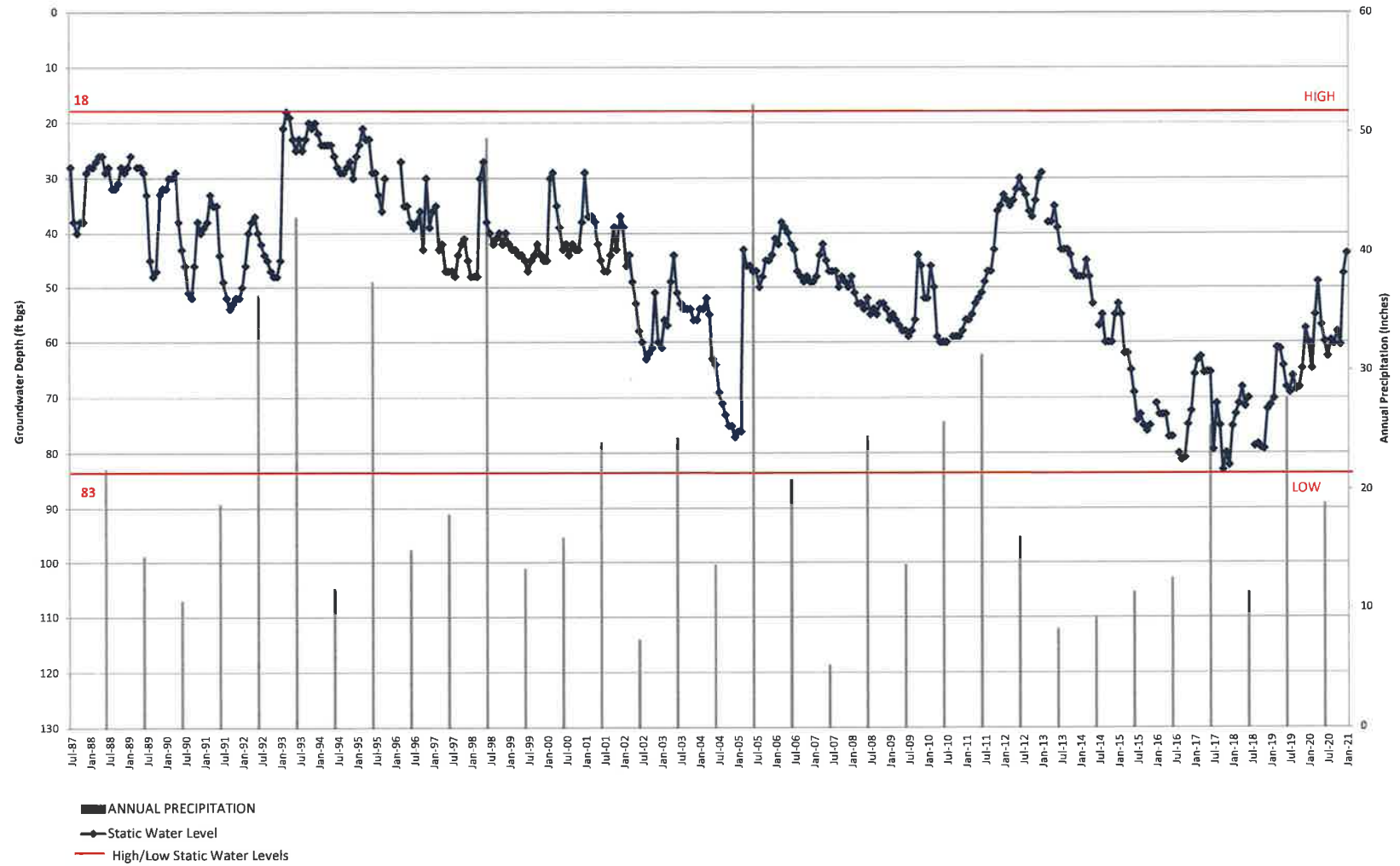
**SCV WATER WELL Q2**  
**STATIC WATER LEVEL VS PRECIPITATION**



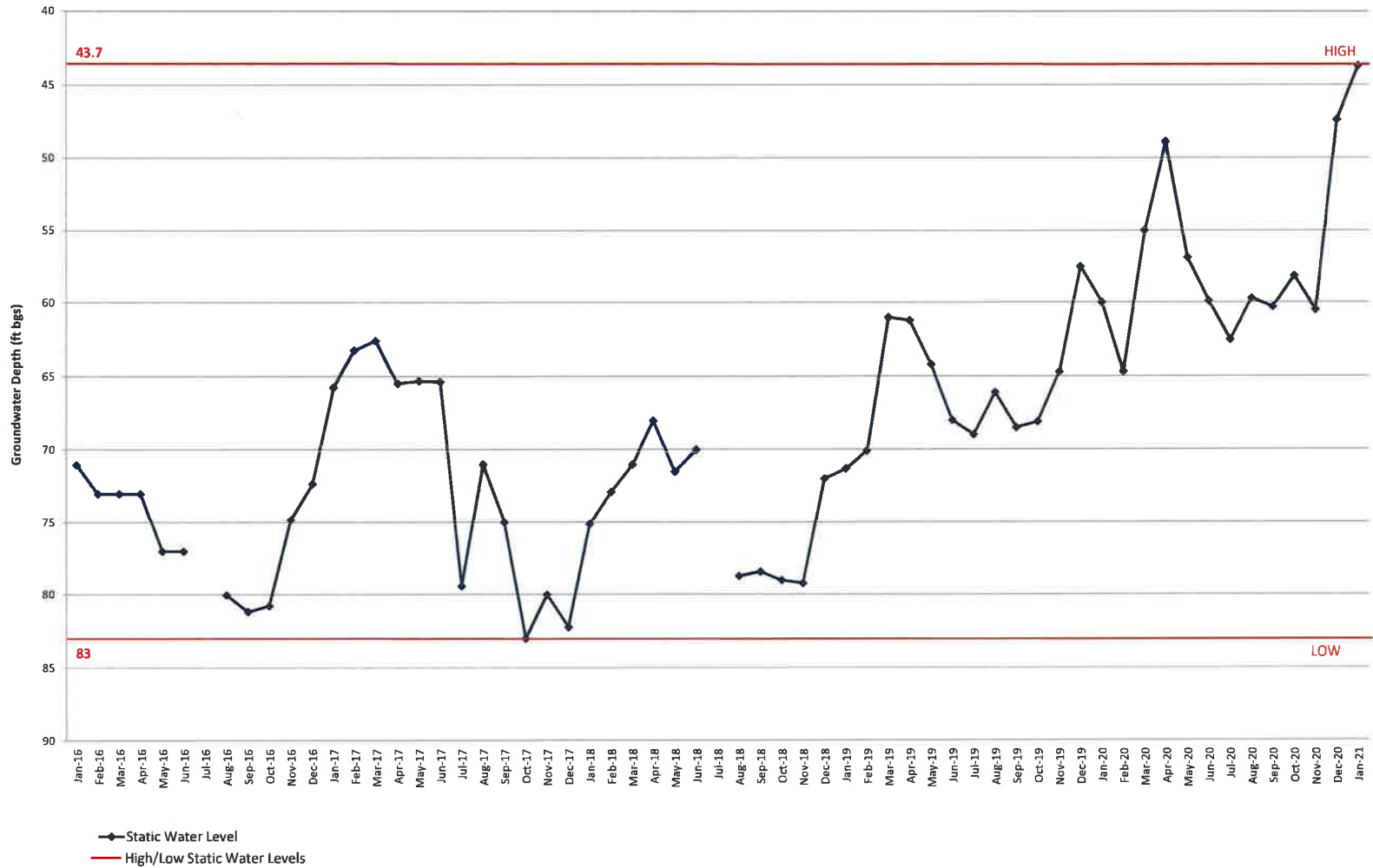
**SCV WATER WELL Q2**  
**STATIC WATER LEVEL**



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

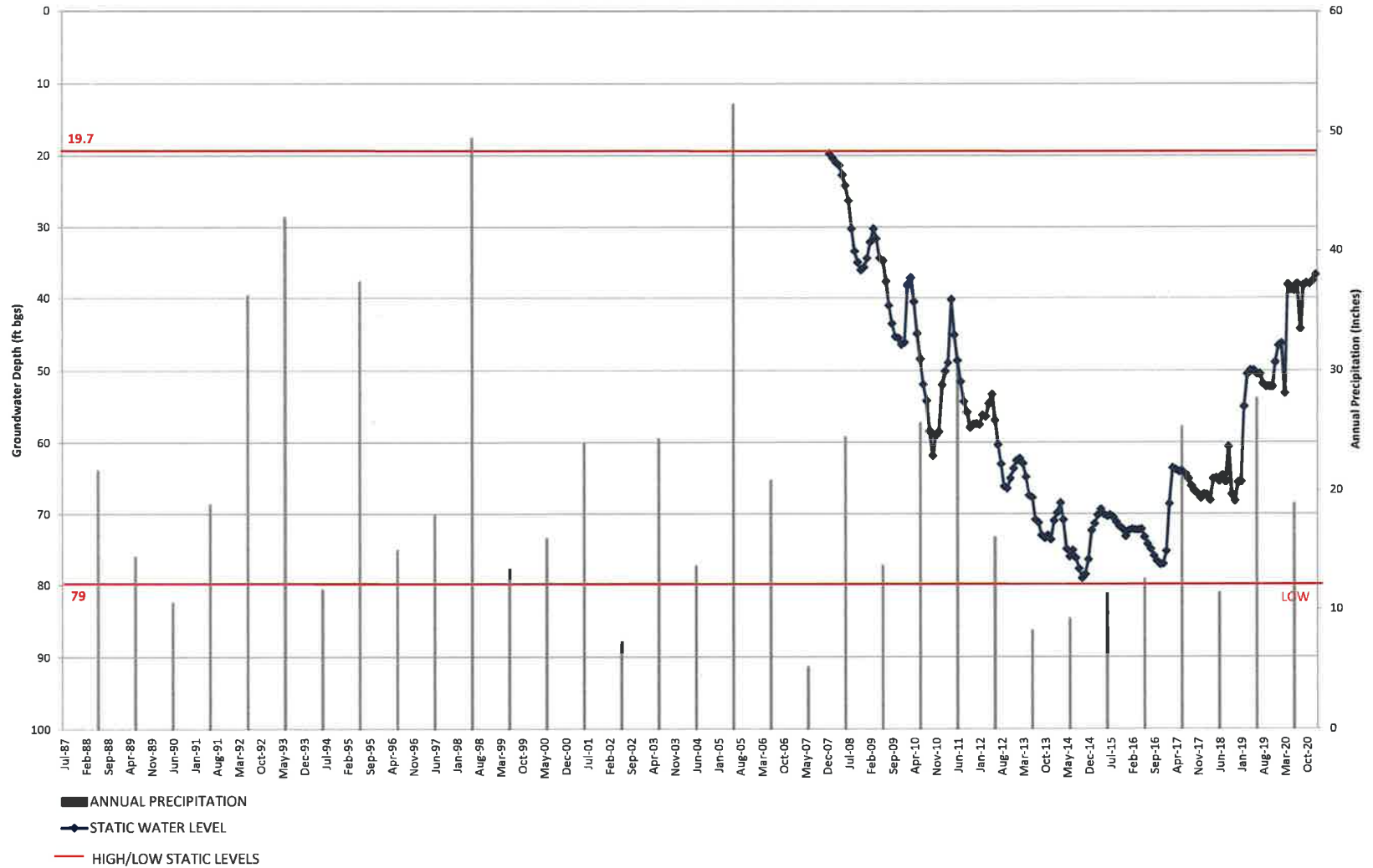


SCV WATER WELL GUIDA #14  
 STATIC WATER LEVEL

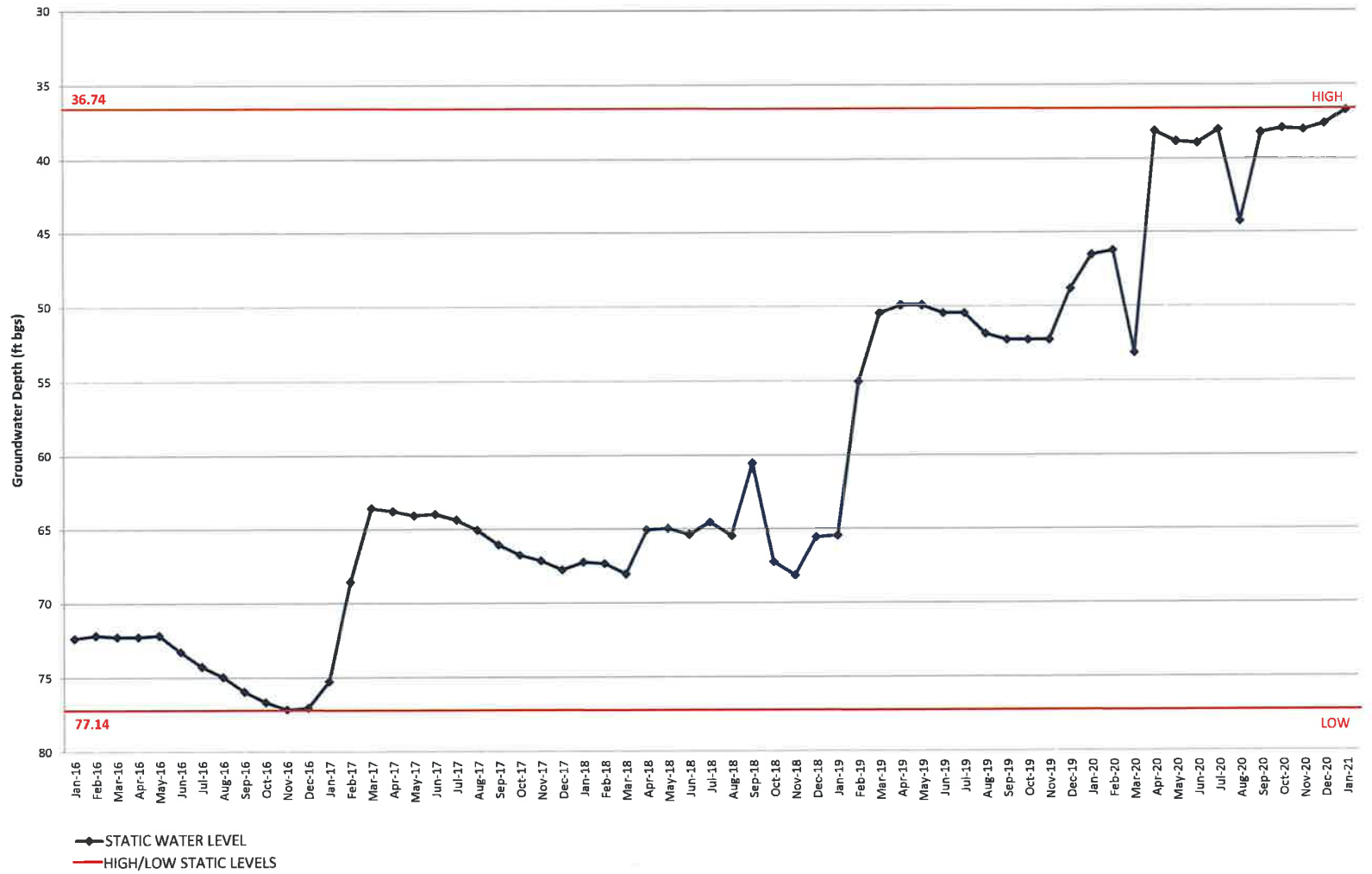




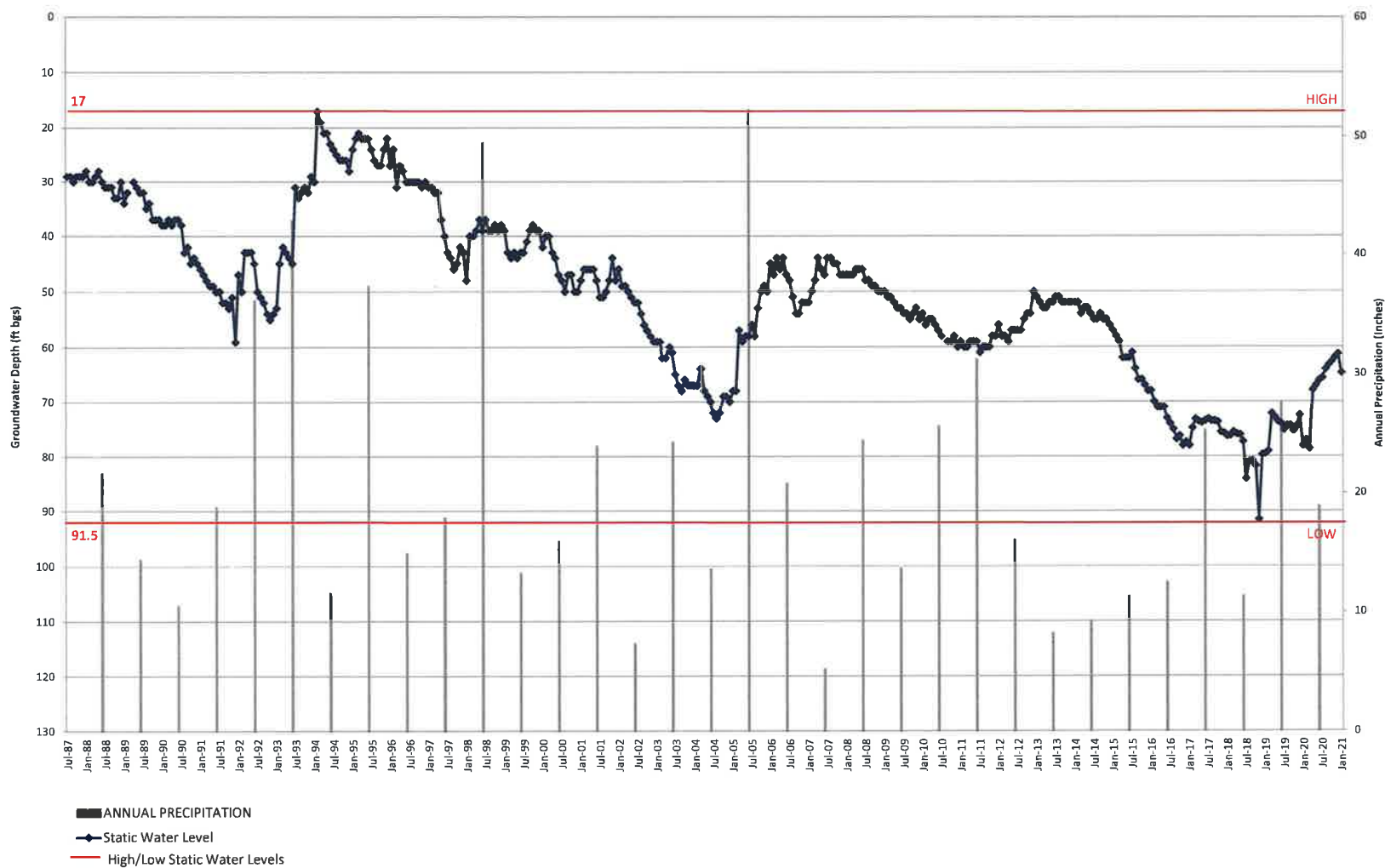
**SCV WATER WELL T7**  
**STATIC WATER LEVEL VS PRECIPITATION**



**SCV WATER WELL T7**  
**STATIC WATER LEVEL**



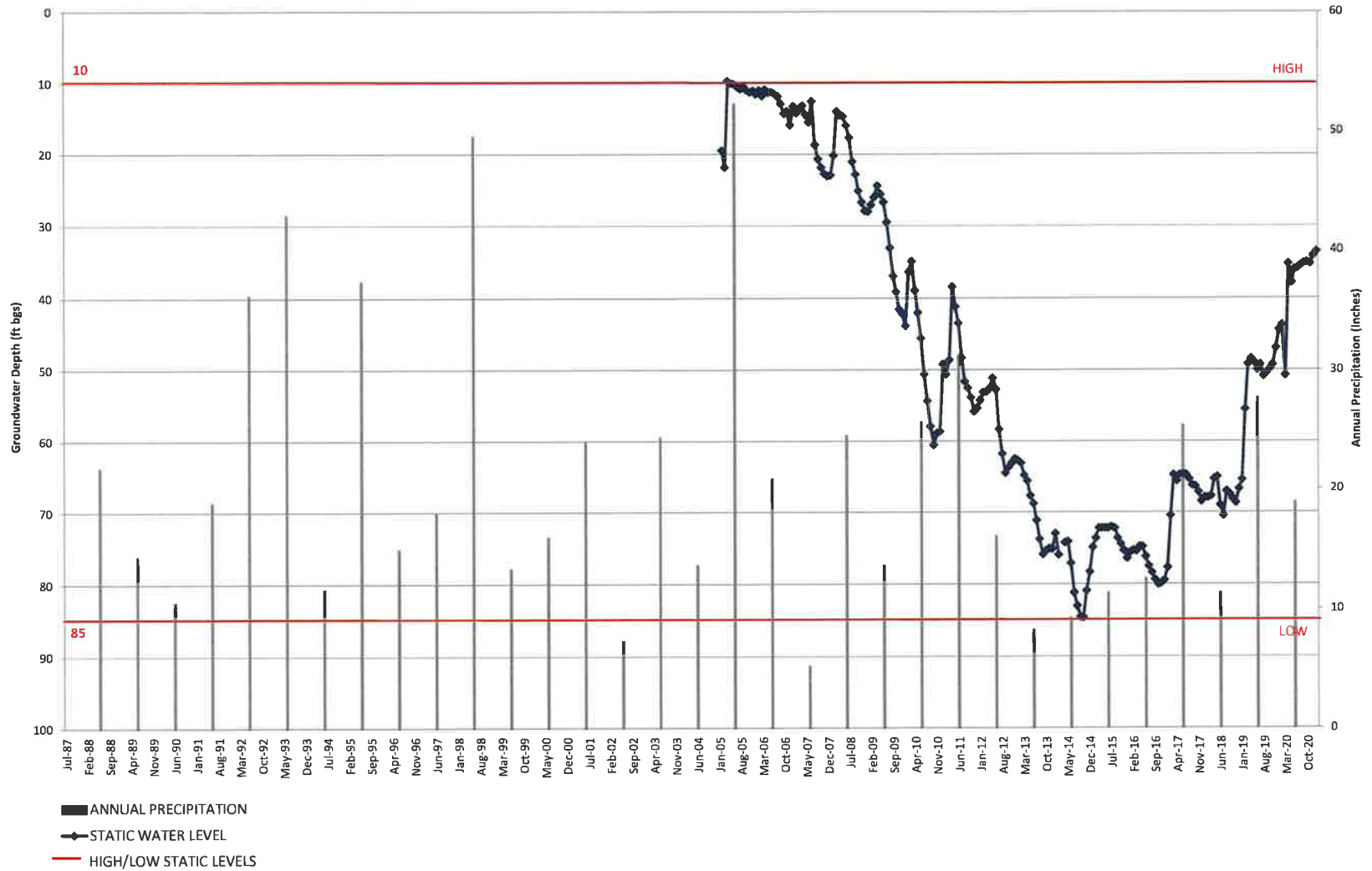
**SCV WATER WELL CLARK #15**  
**STATIC WATER LEVEL VS PRECIPITATION**



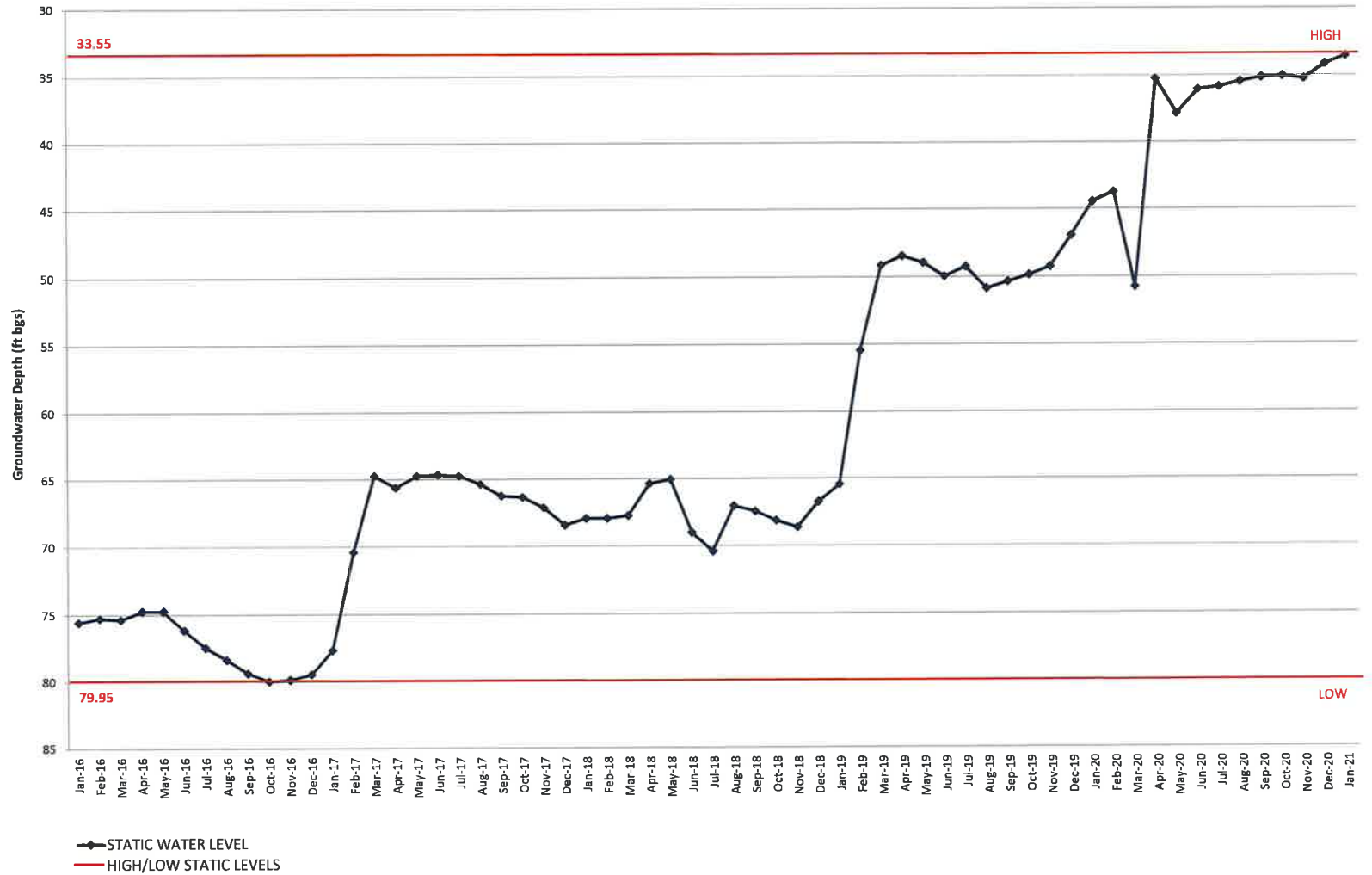
**SCV WATER WELL CLARK #15  
STATIC WATER LEVEL**



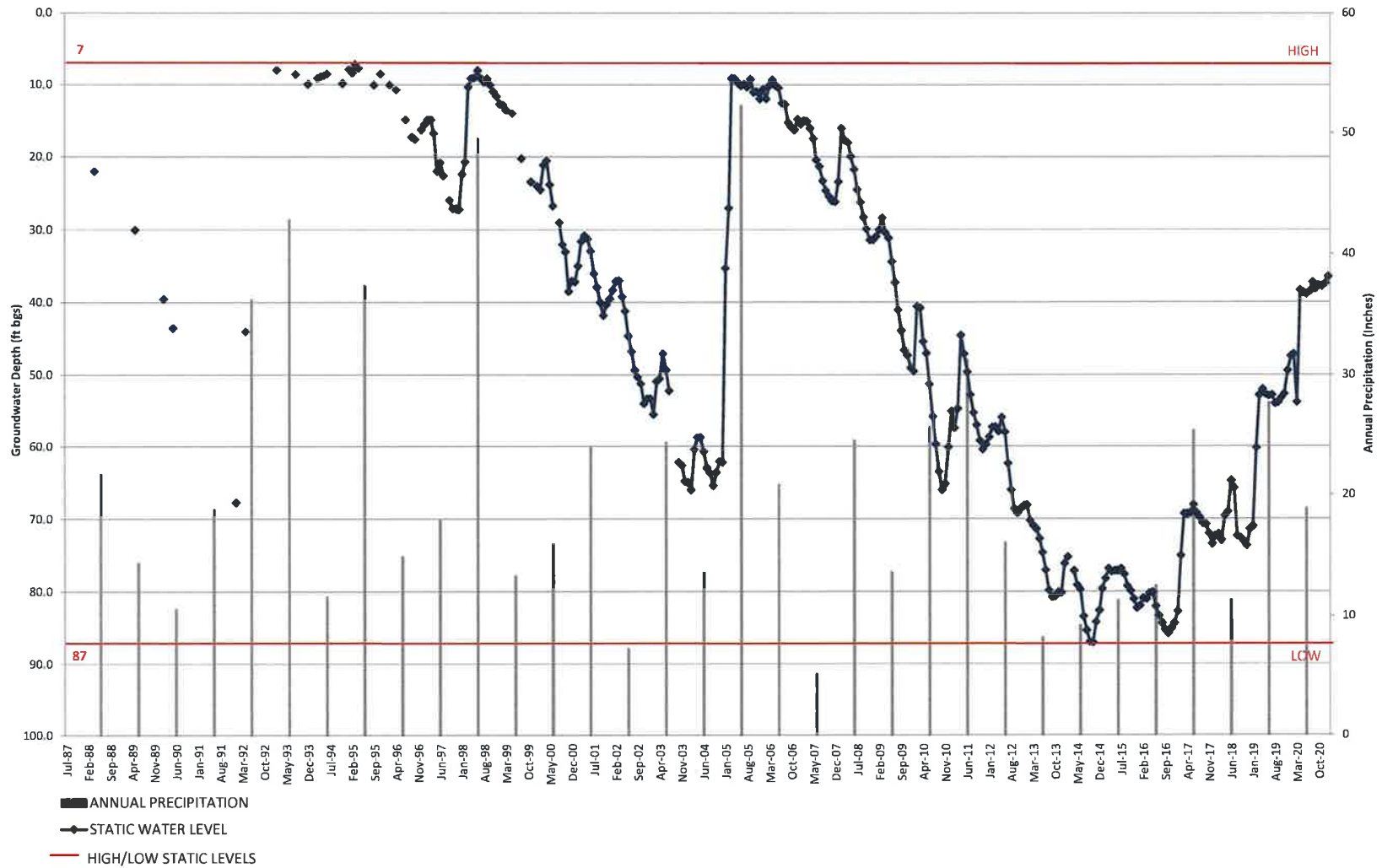
**SCV WATER WELL U6**  
**STATIC WATER LEVEL VS PRECIPITATION**



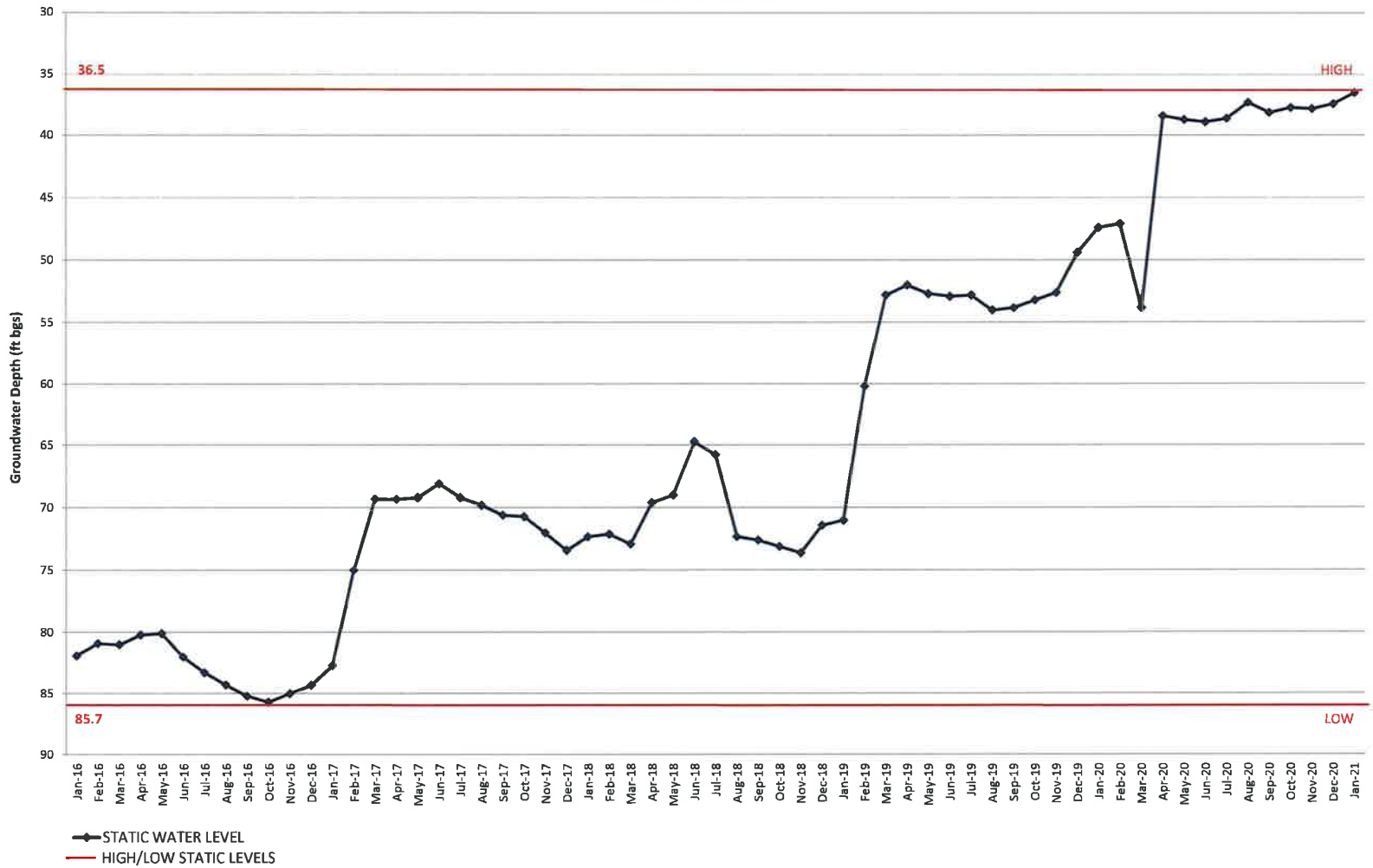
**SCV WATER WELL U6**  
**STATIC WATER LEVEL**



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

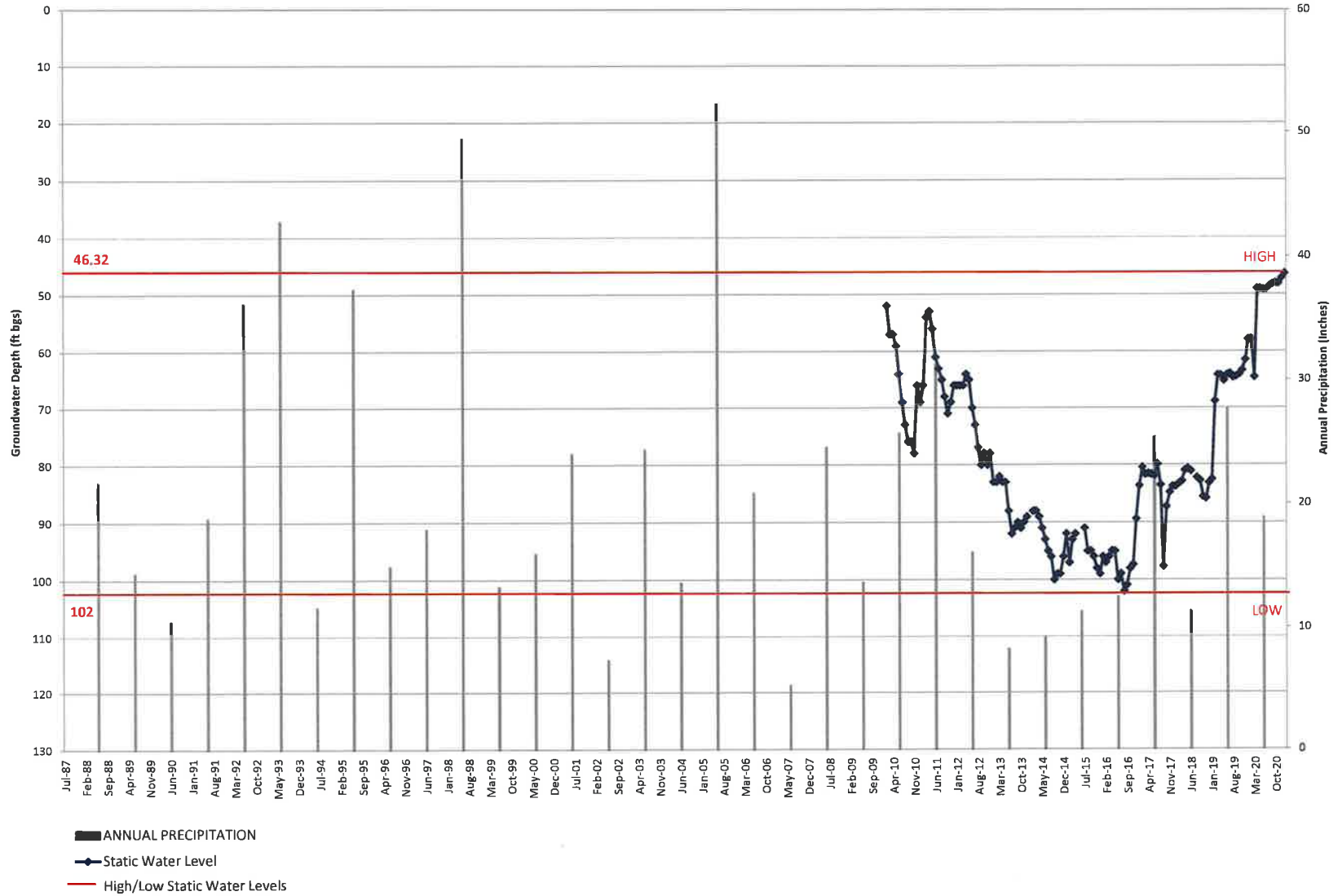


**SCV WATER WELL U4**  
**STATIC WATER LEVEL**

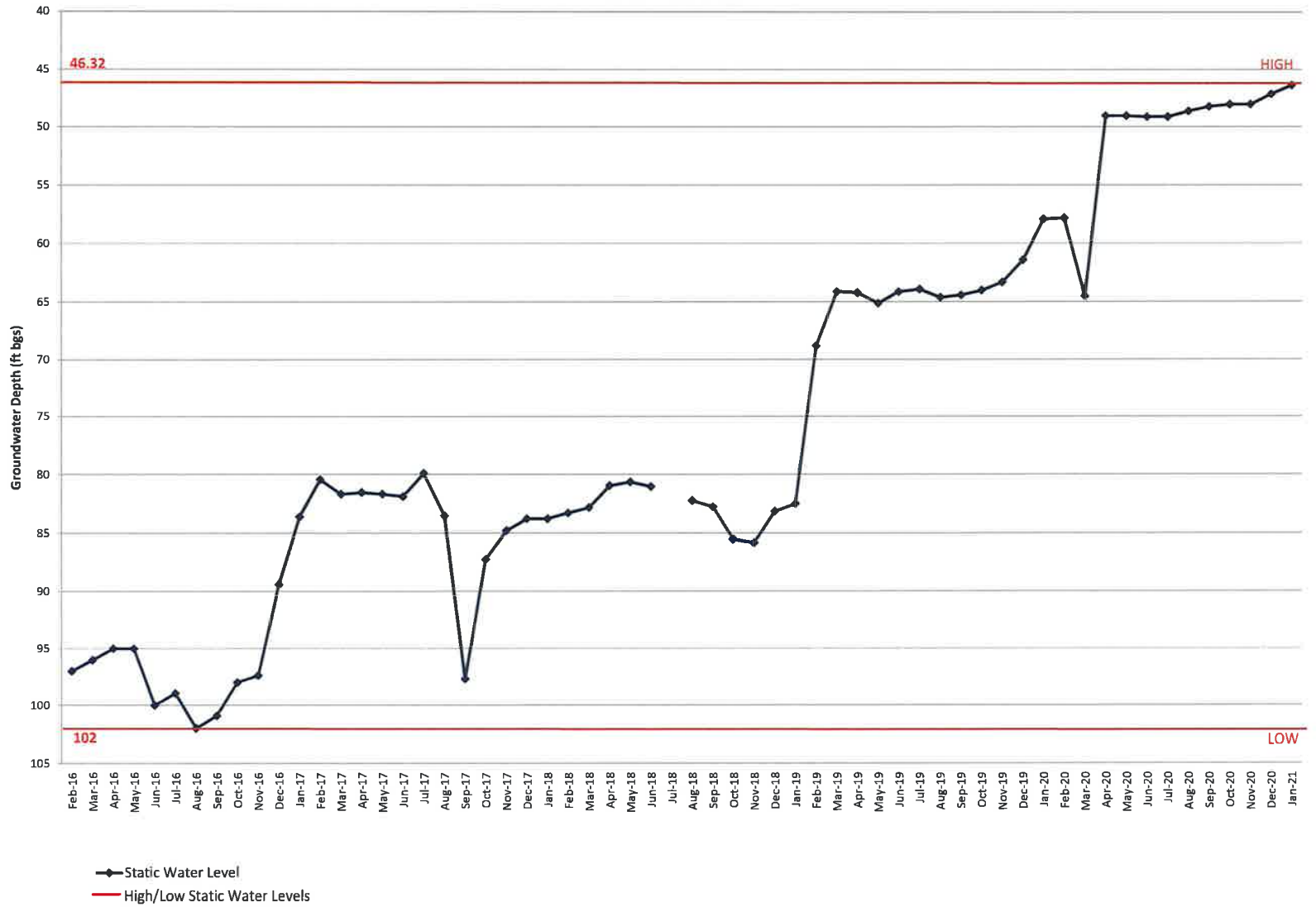




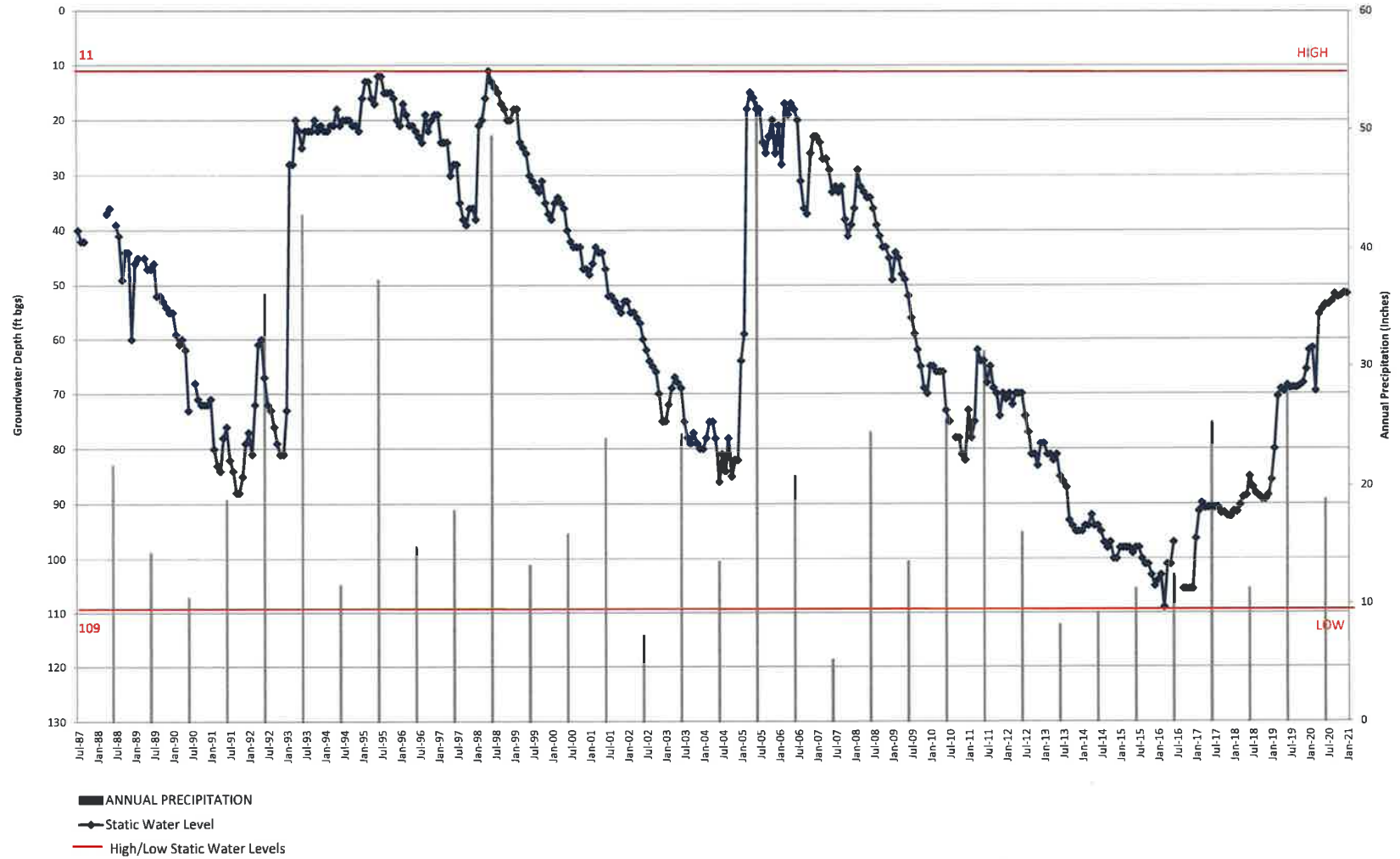
**SCV WATER WELL VALLEY CENTER  
STATIC WATER LEVEL VS PRECIPITATION**



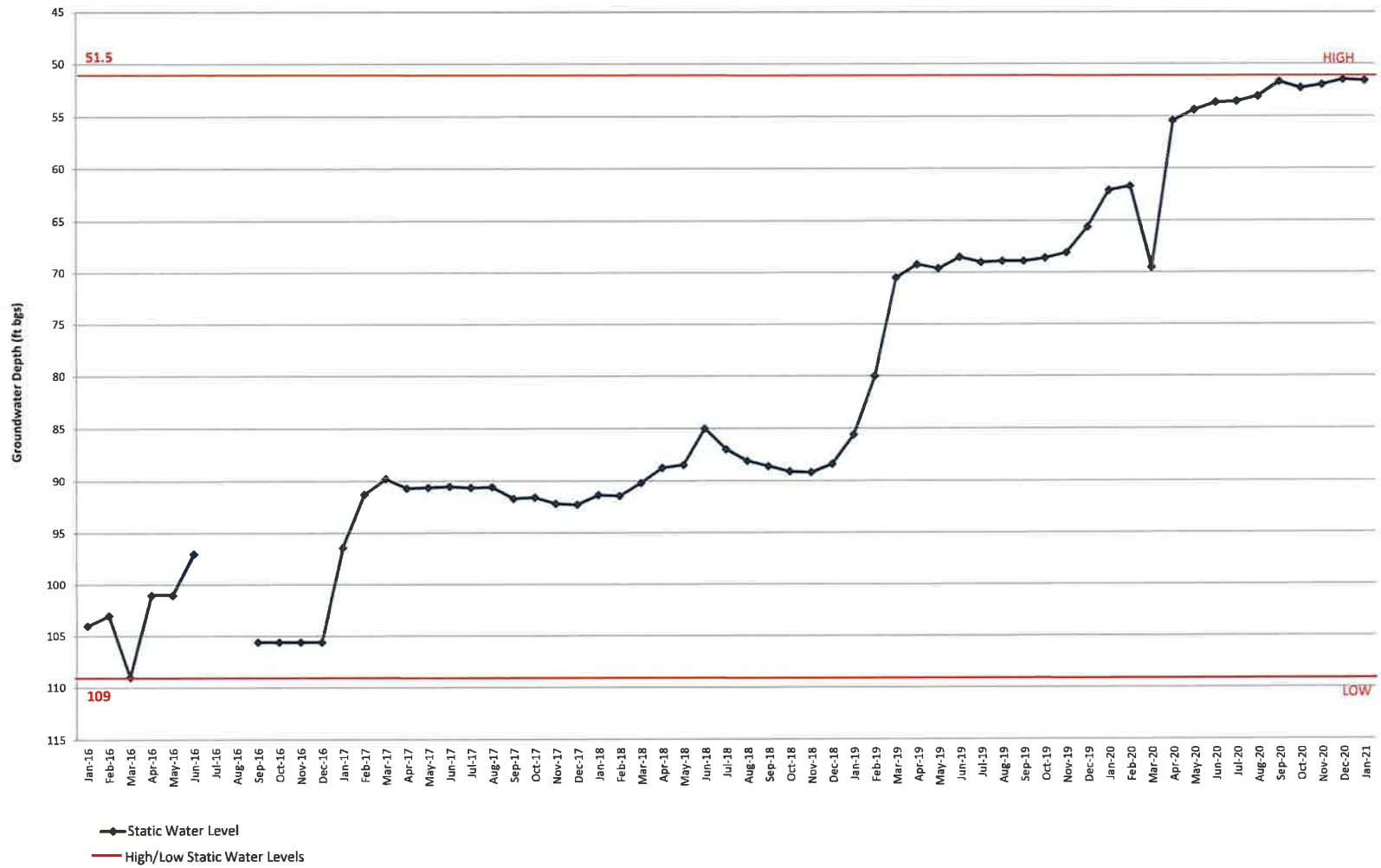
**SCV WATER WELL VALLEY CENTER  
STATIC WATER LEVEL**



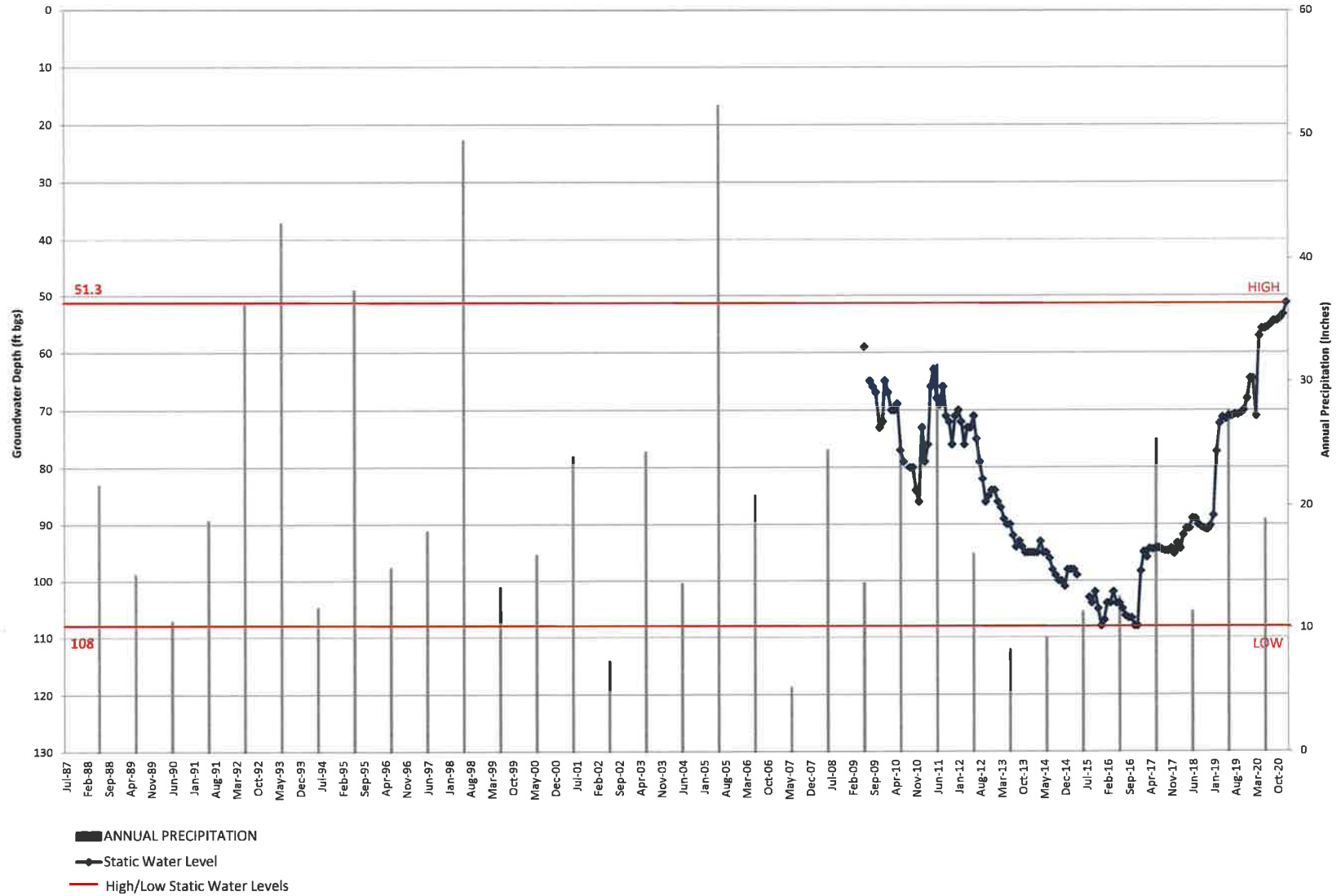
**SCV WATER WELL HONBY #12**  
**STATIC WATER LEVEL VS PRECIPITATION**



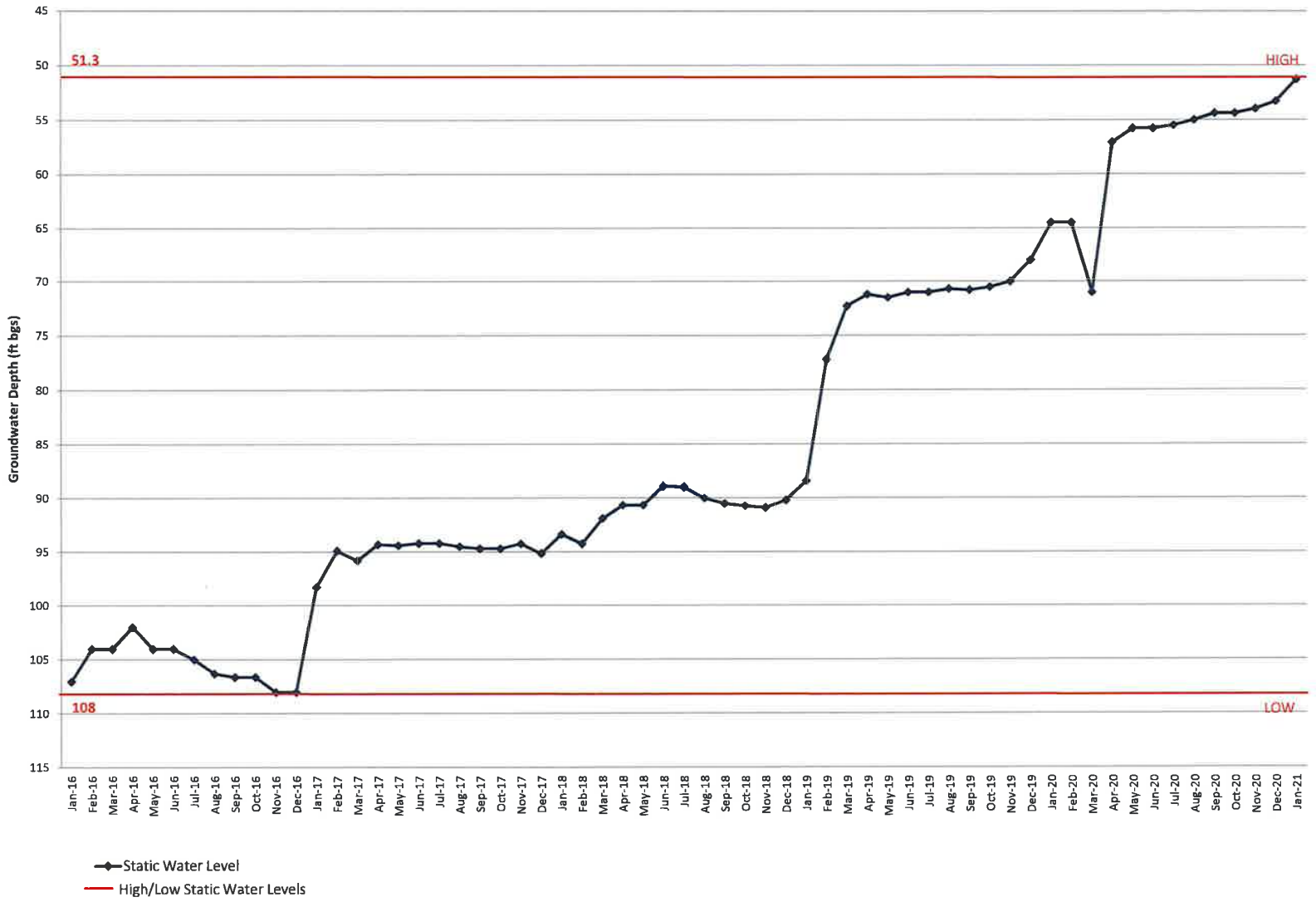
SCV WATER WELL HONBY #12  
STATIC WATER LEVEL



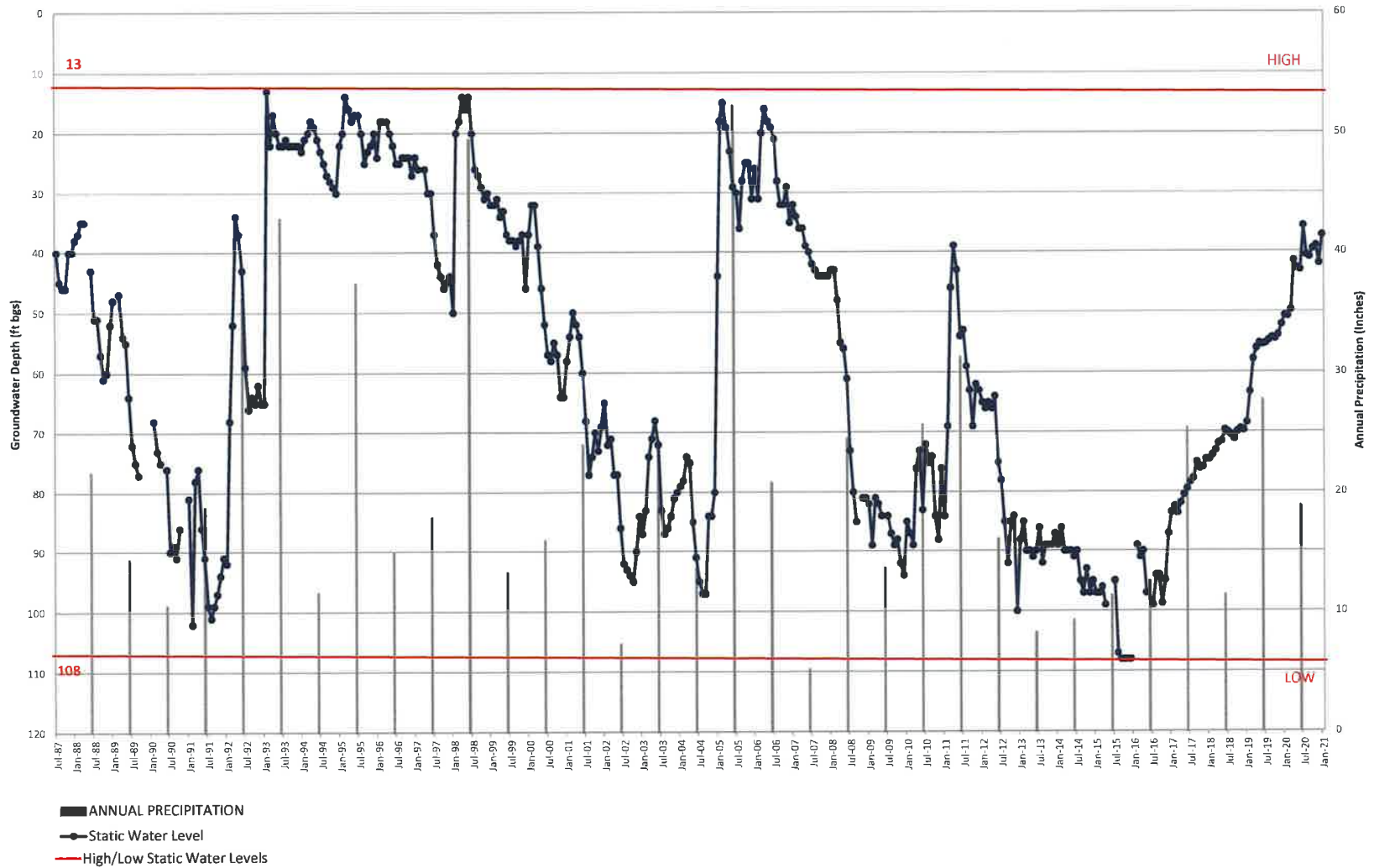
**SCV WATER WELL SANTA CLARA**  
**STATIC WATER LEVEL VS PRECIPITATION**



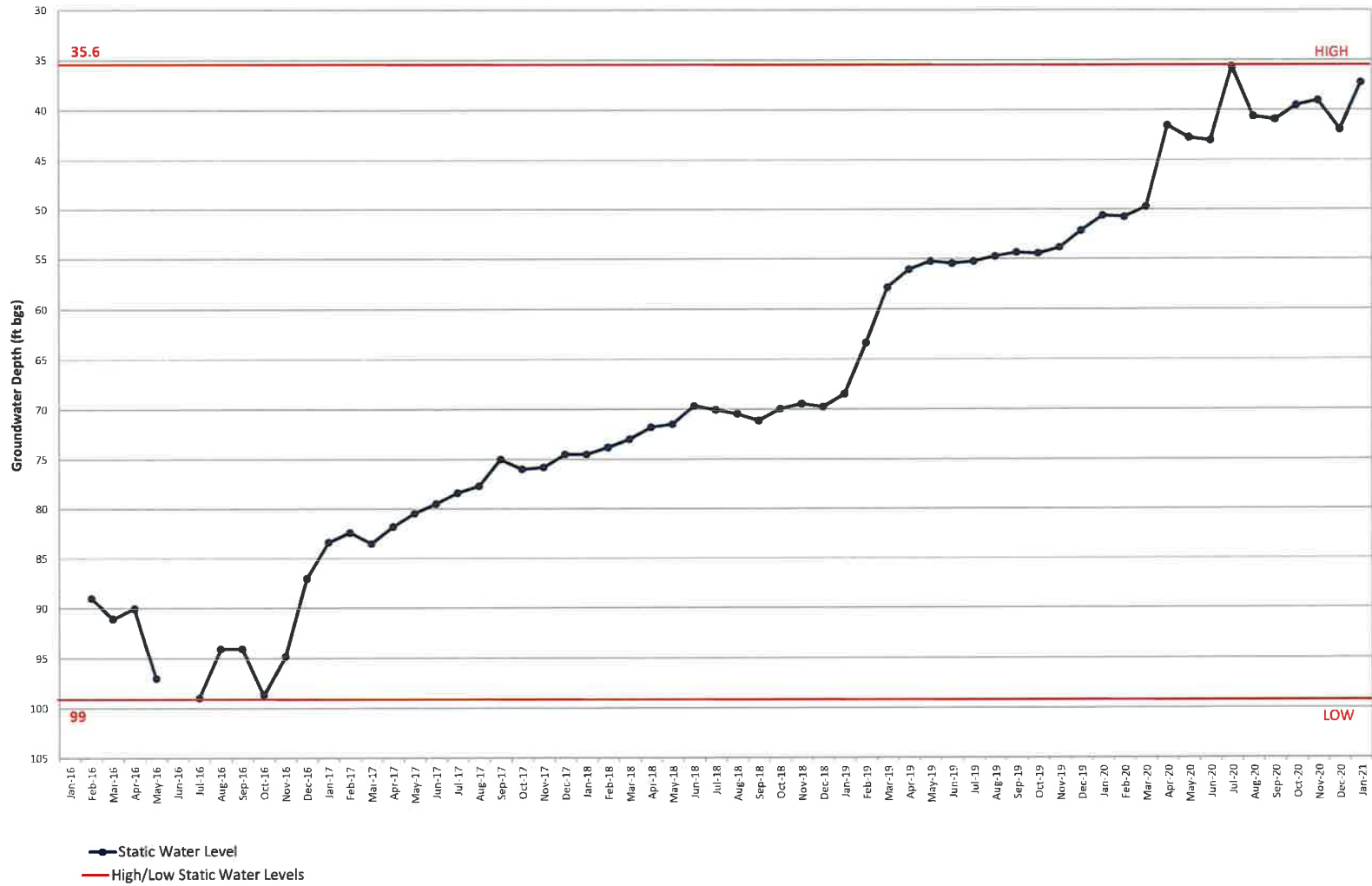
**SCV WATER WELL SANTA CLARA**  
**STATIC WATER LEVEL**



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

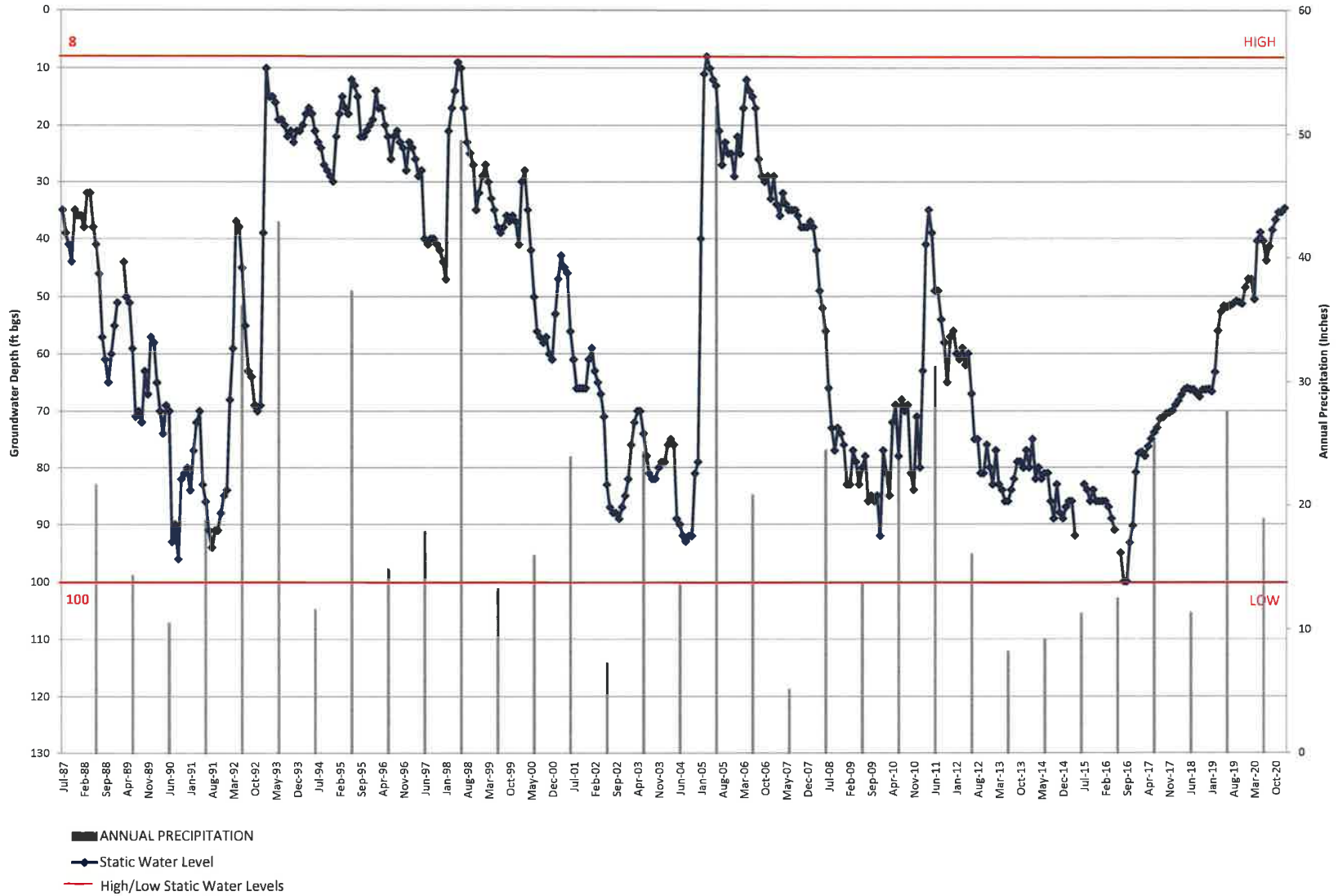


**SCV WATER WELL NORTH OAKS CENTRAL #8**  
 STATIC WATER LEVEL

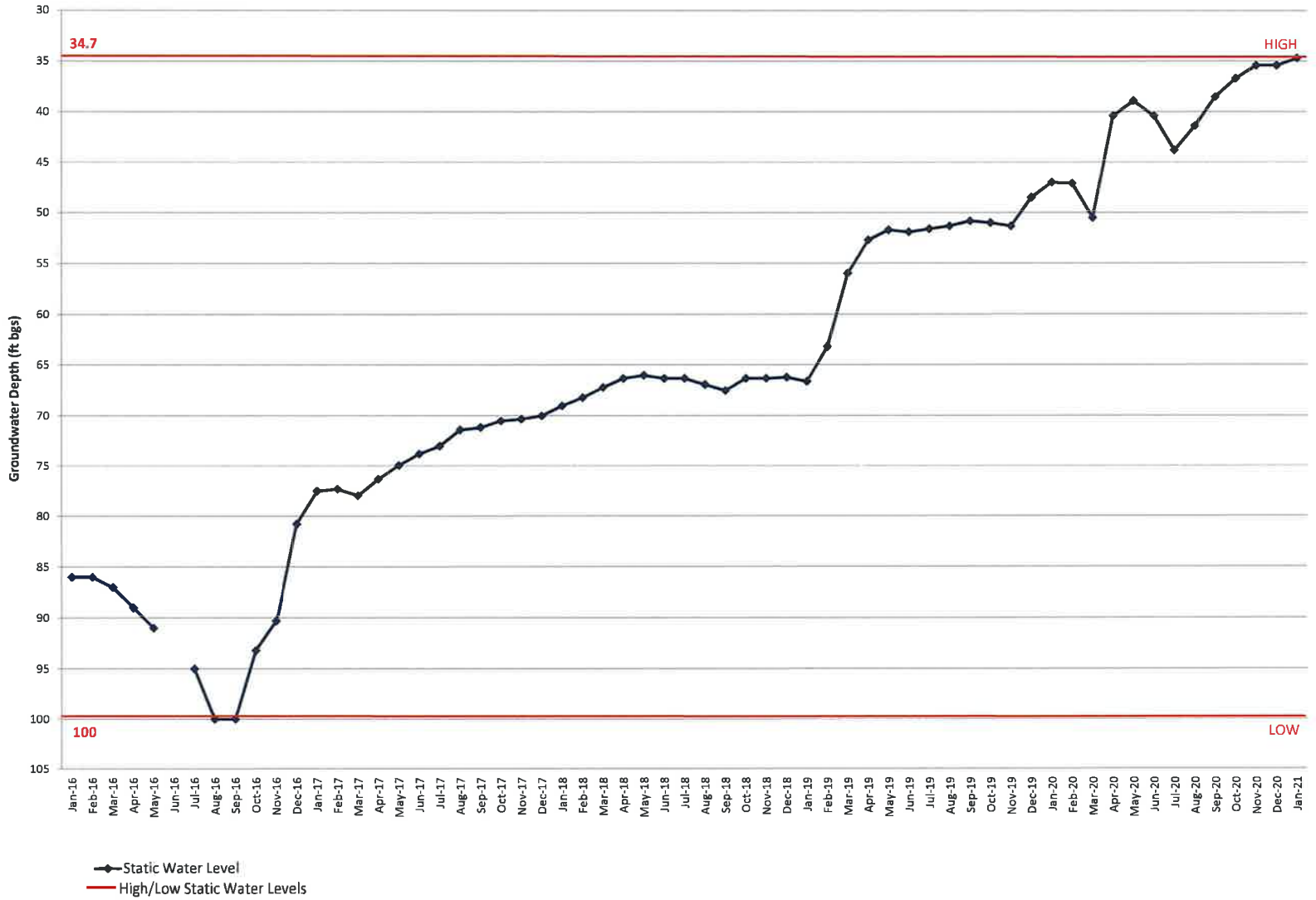




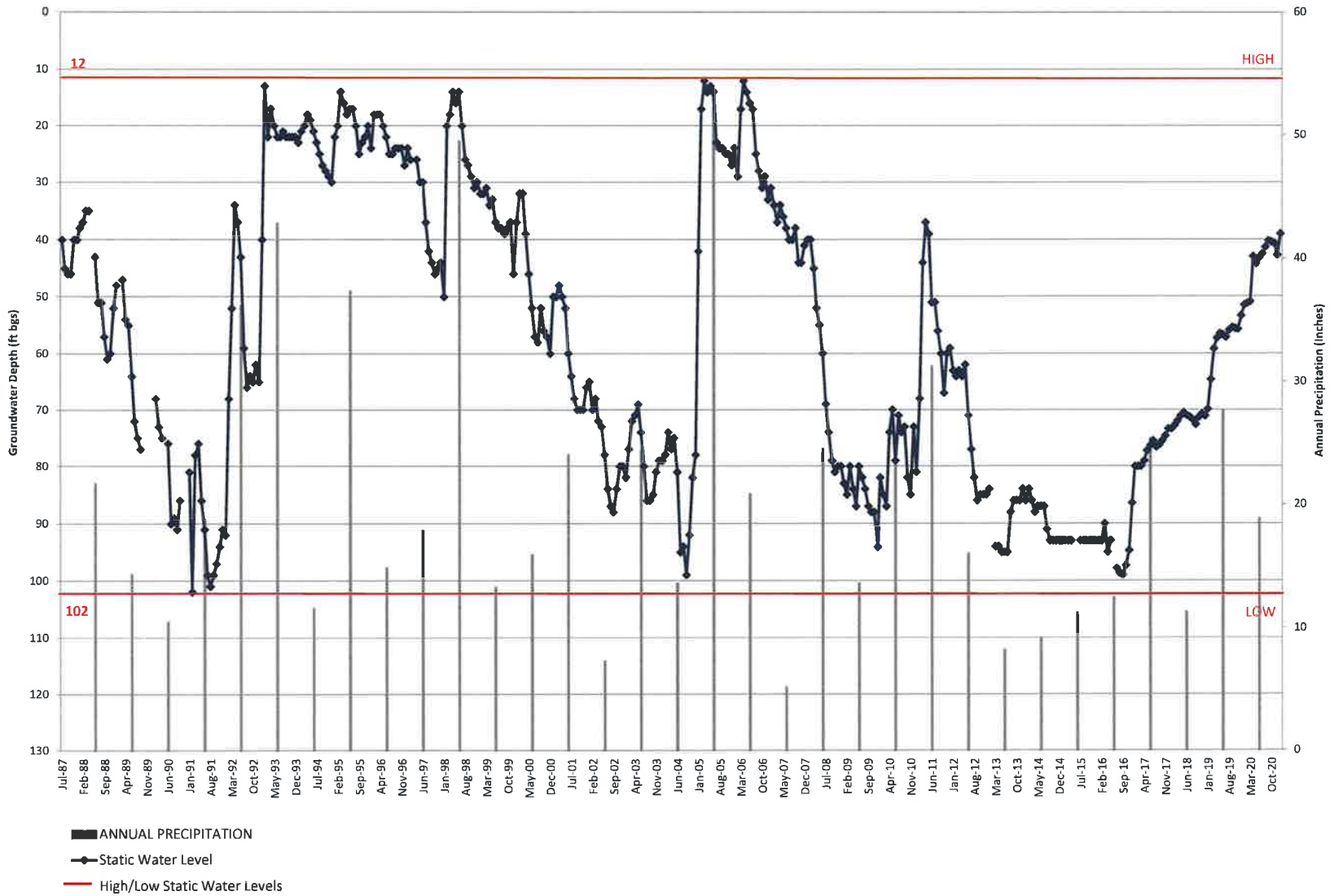
**SCV WATER WELL NORTH OAKS WEST #9**  
**STATIC WATER LEVEL VS PRECIPITATION**



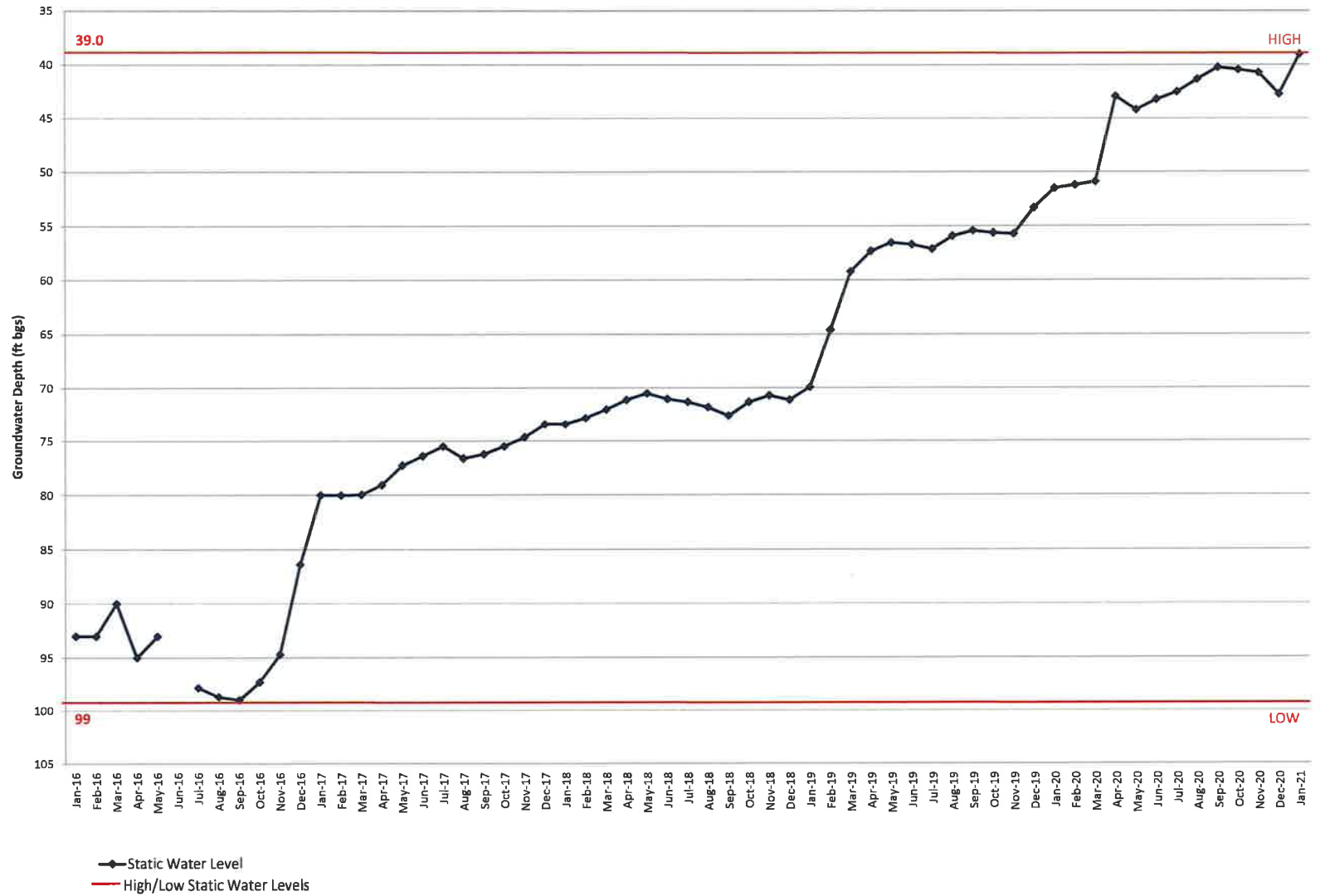
SCV WATER WELL NORTH OAKS WEST #9  
 STATIC WATER LEVEL



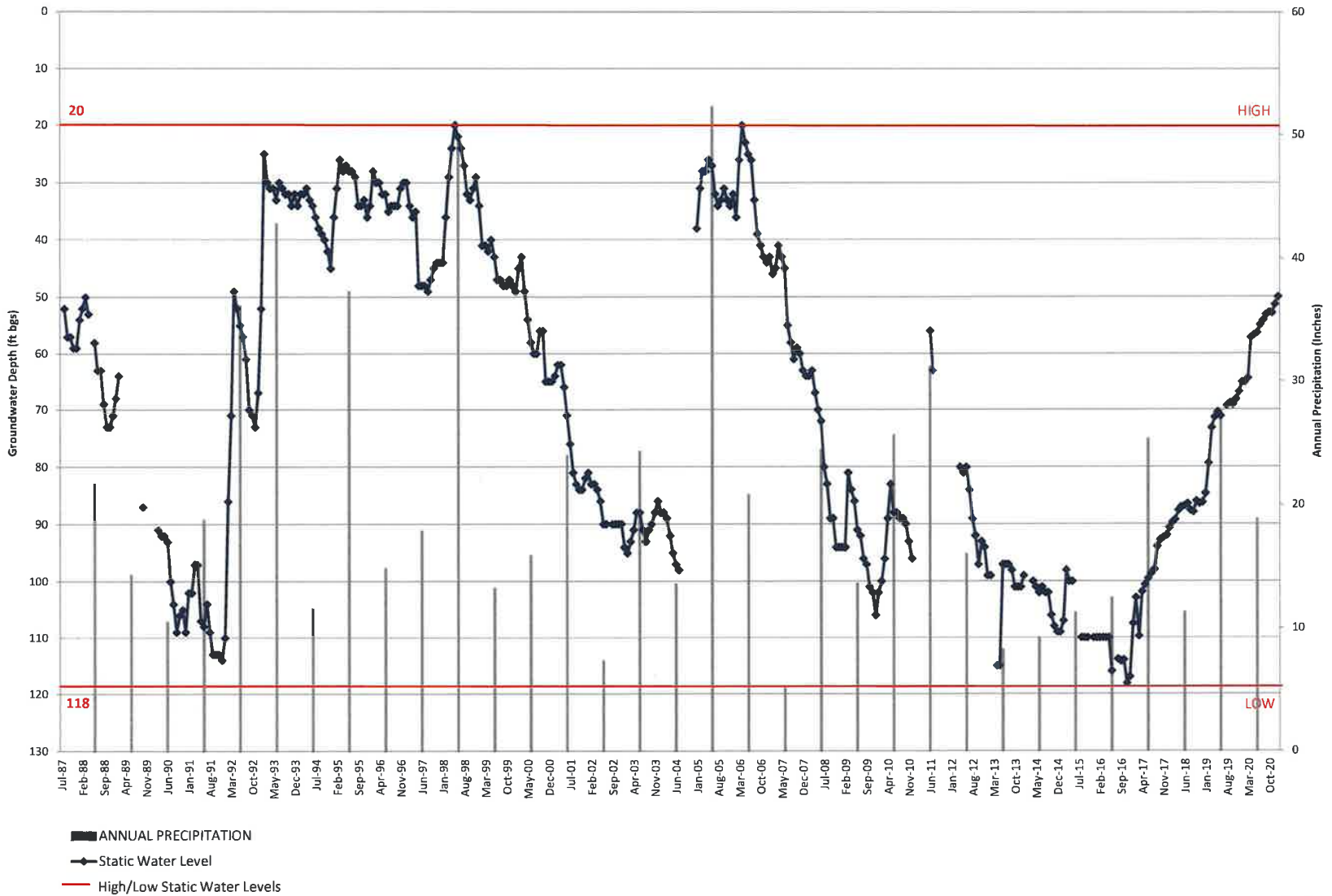
**SCV WATER WELL NORTH OAKS EAST #7**  
**STATIC WATER LEVEL VS PRECIPITATION**



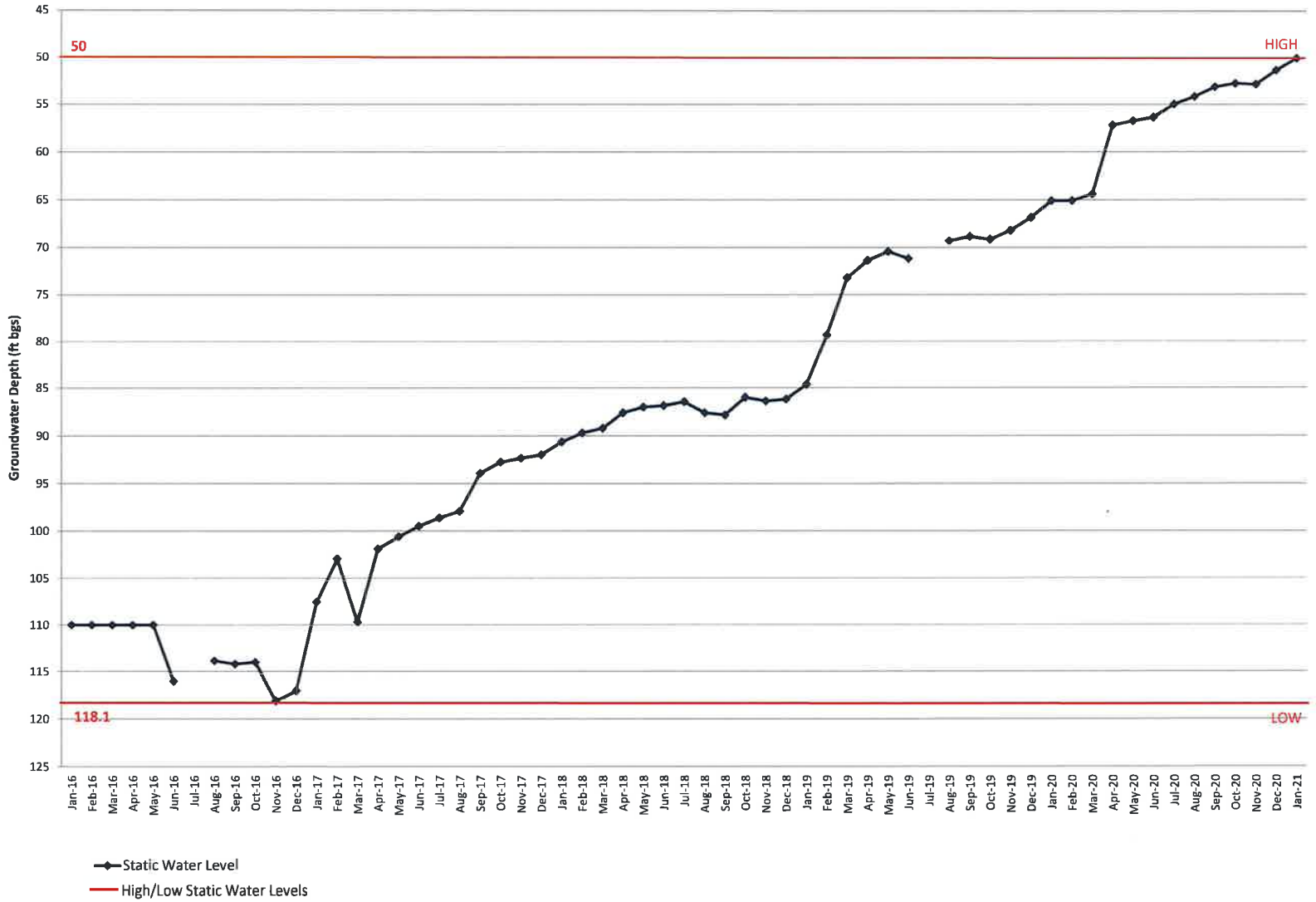
SCV WATER WELL NORTH OAKS EAST #7  
 STATIC WATER LEVEL



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



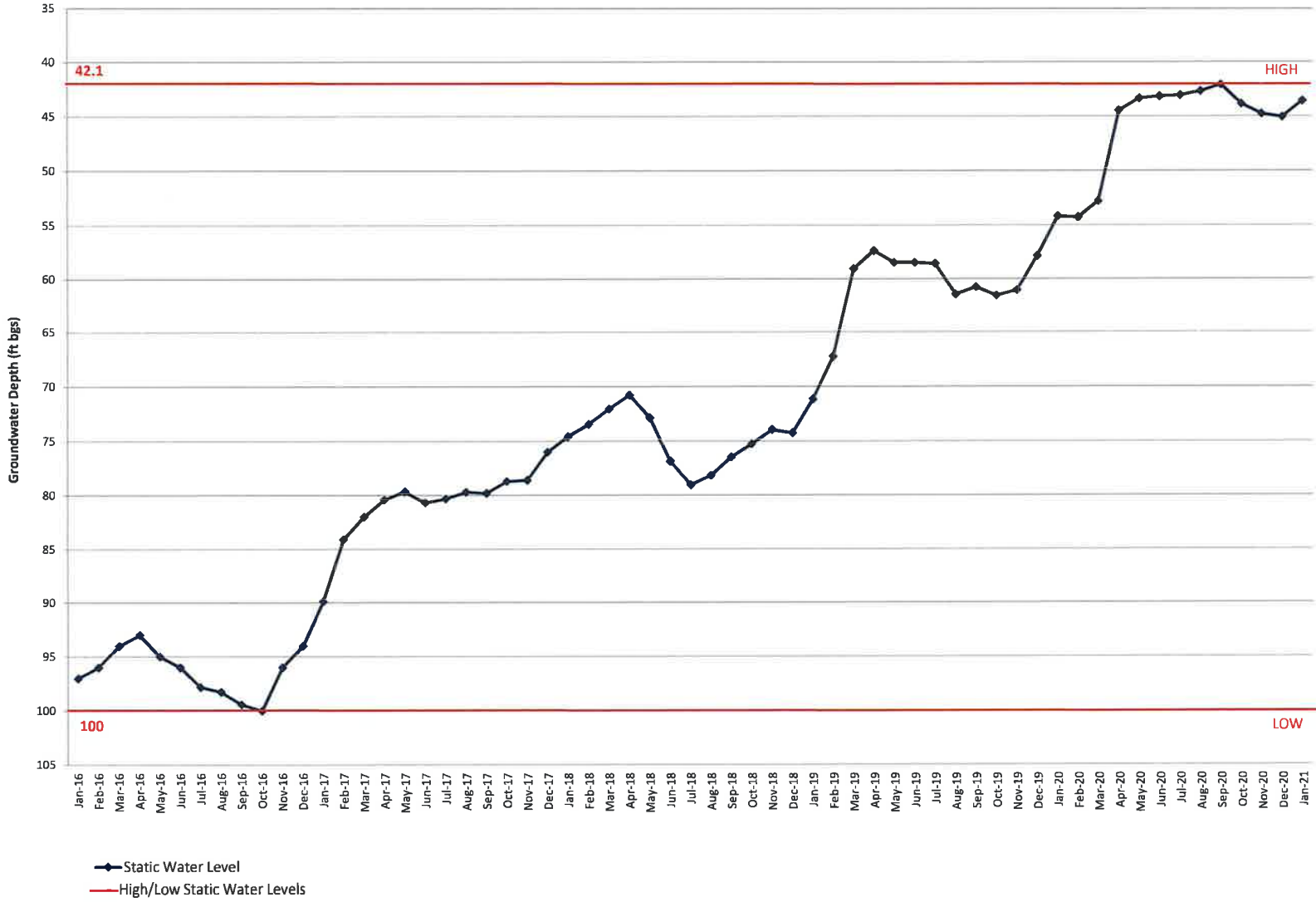
SCV WATER WELL SIERRA #6  
 STATIC WATER LEVEL



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

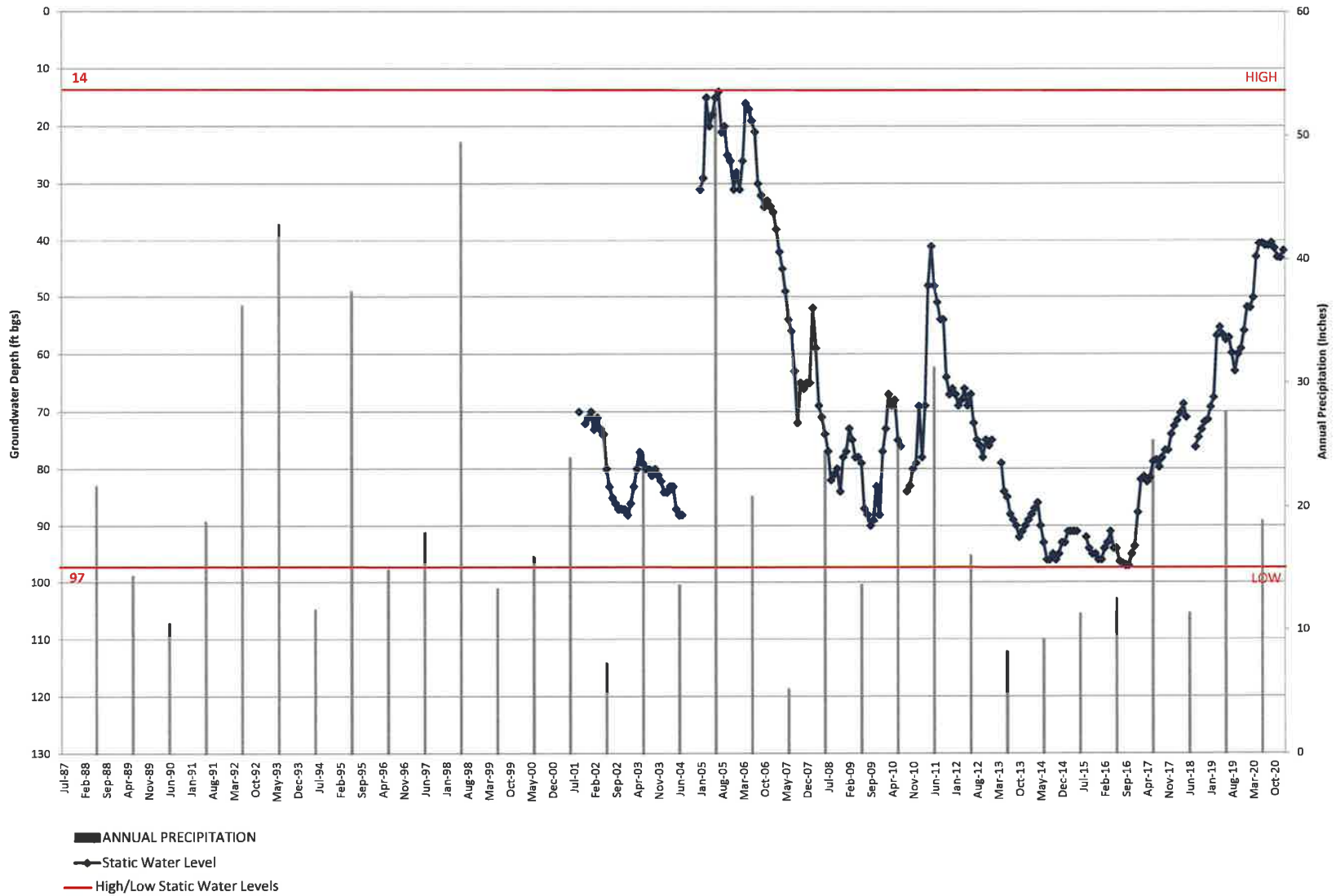


SCV WATER WELL MITCHELL #5A  
 STATIC WATER LEVEL

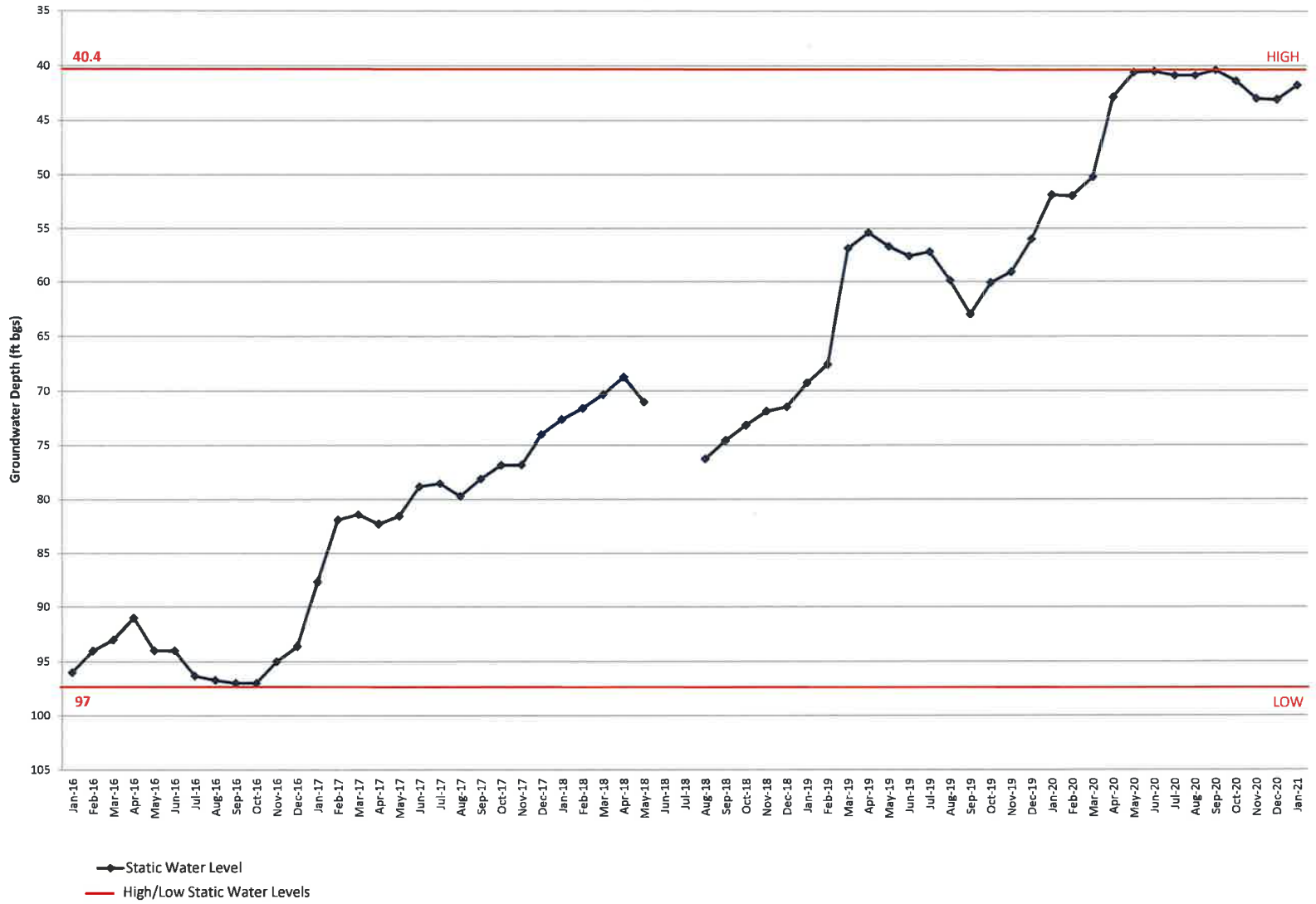




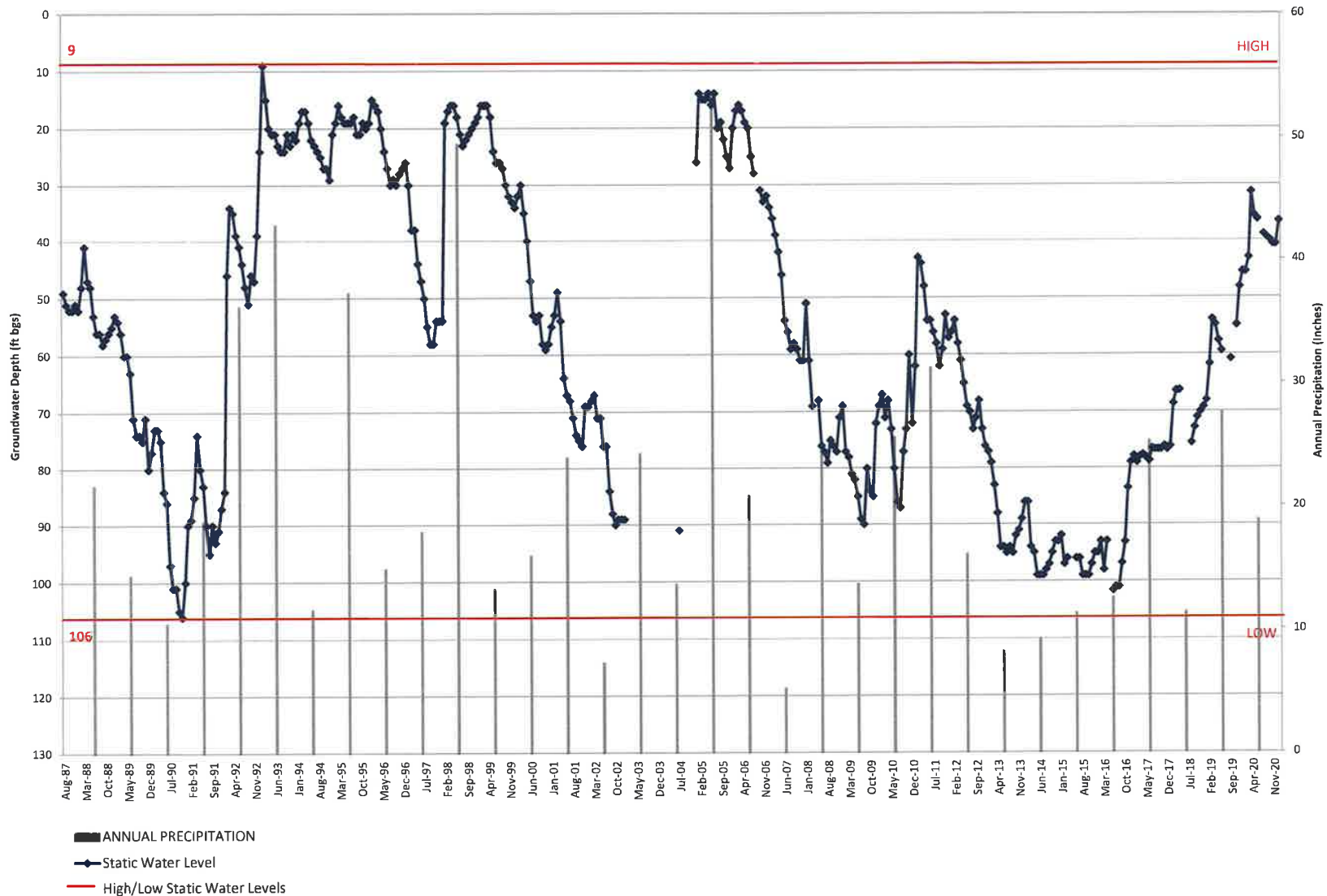
**SCV WATER WELL MITCHELL #5B**  
**STATIC WATER LEVEL VS PRECIPITATION**



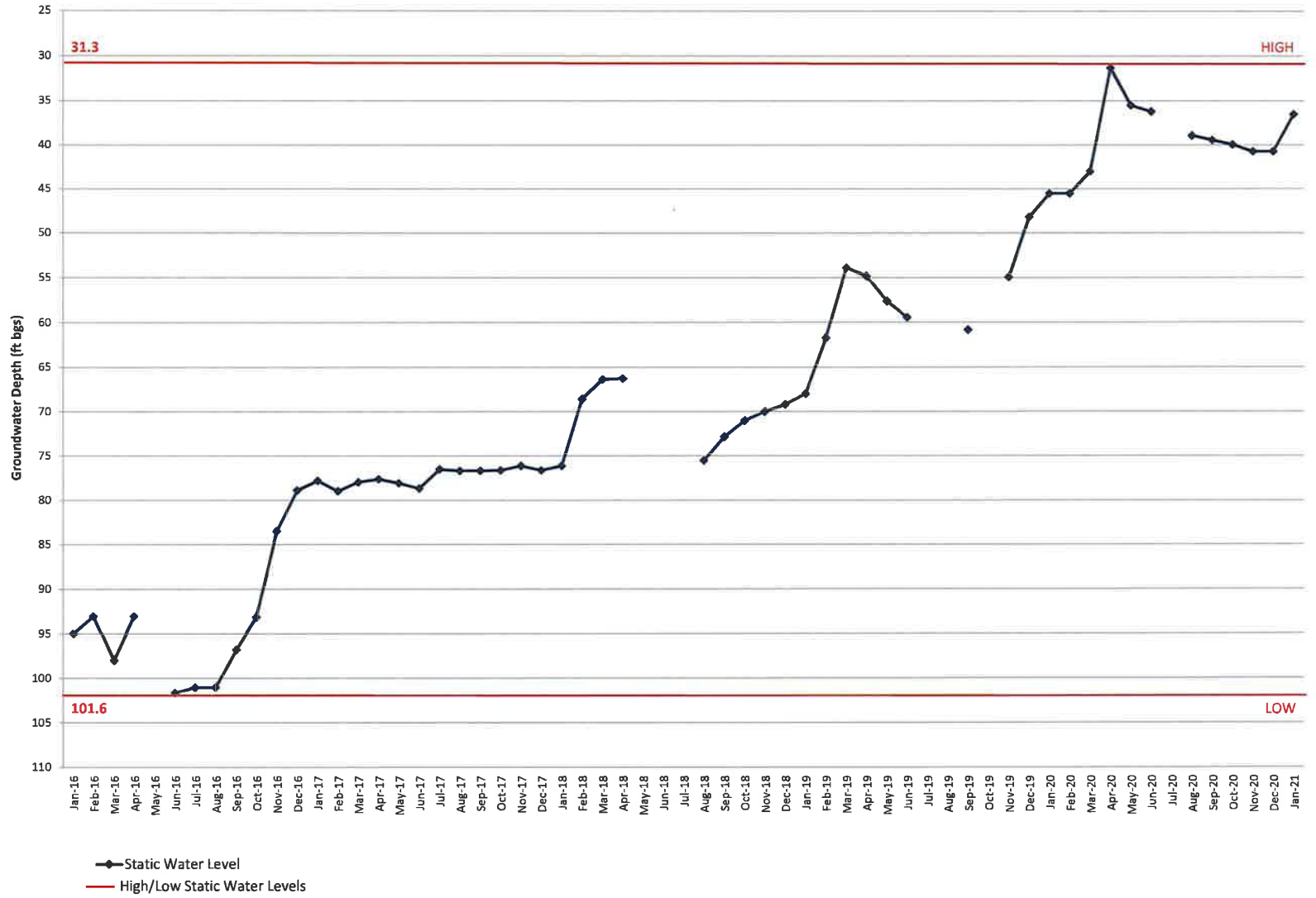
**SCV WATER WELL MITCHELL #5B**  
*STATIC WATER LEVEL*



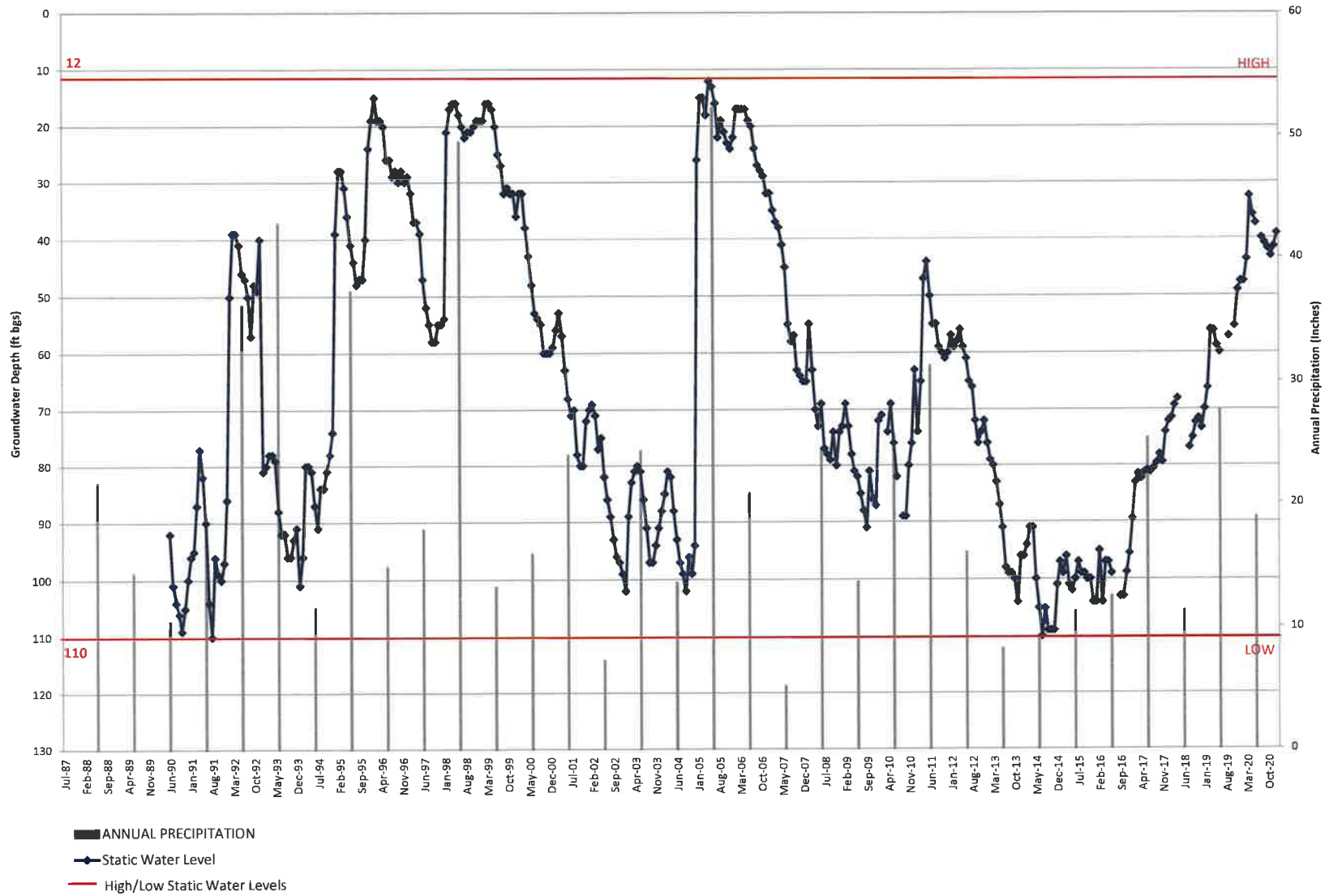
**SCV WATER WELL SAND CANYON #3**  
**STATIC WATER LEVEL VS PRECIPITATION**



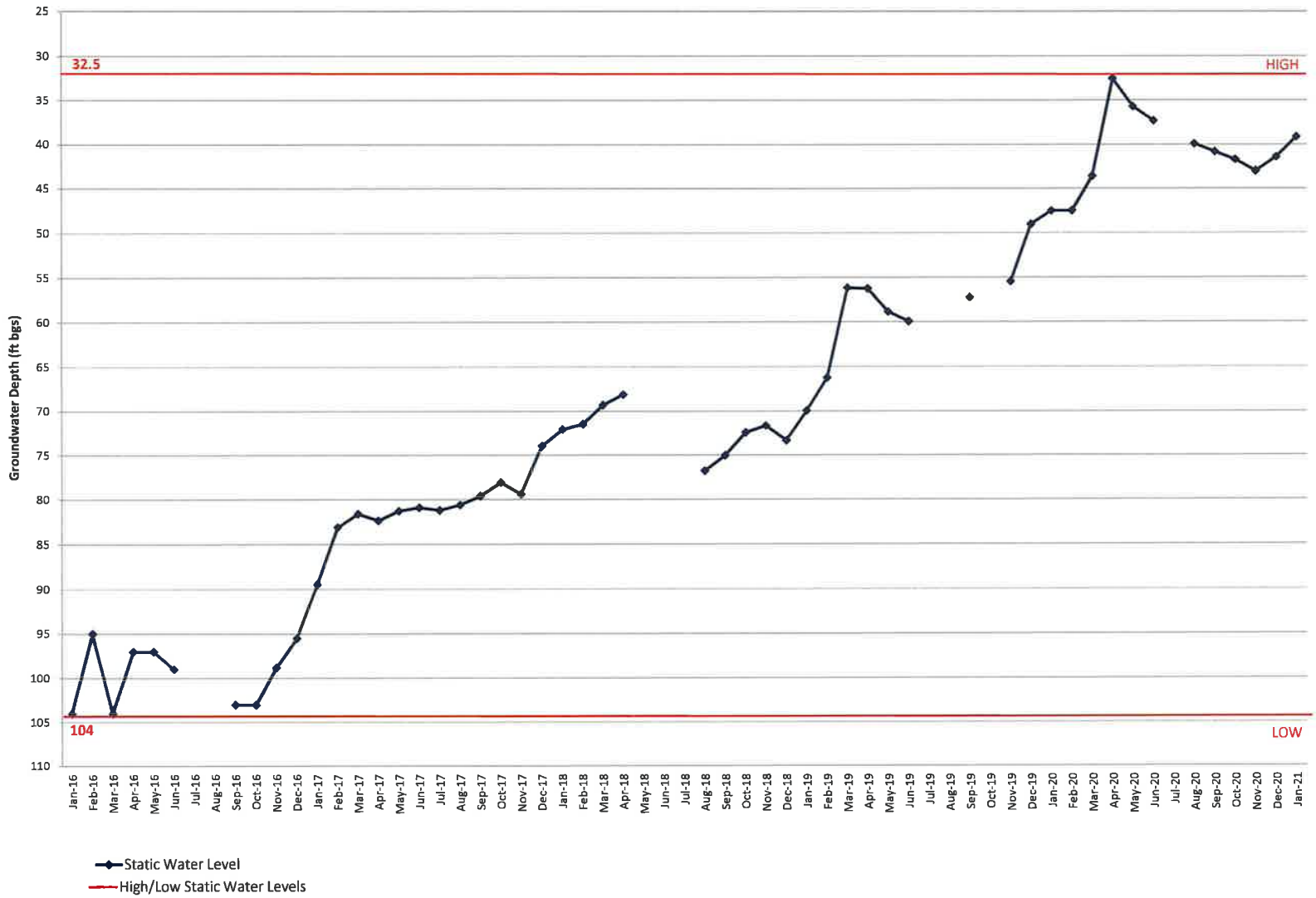
SCV WATER WELL SAND CANYON #3  
 STATIC WATER LEVEL



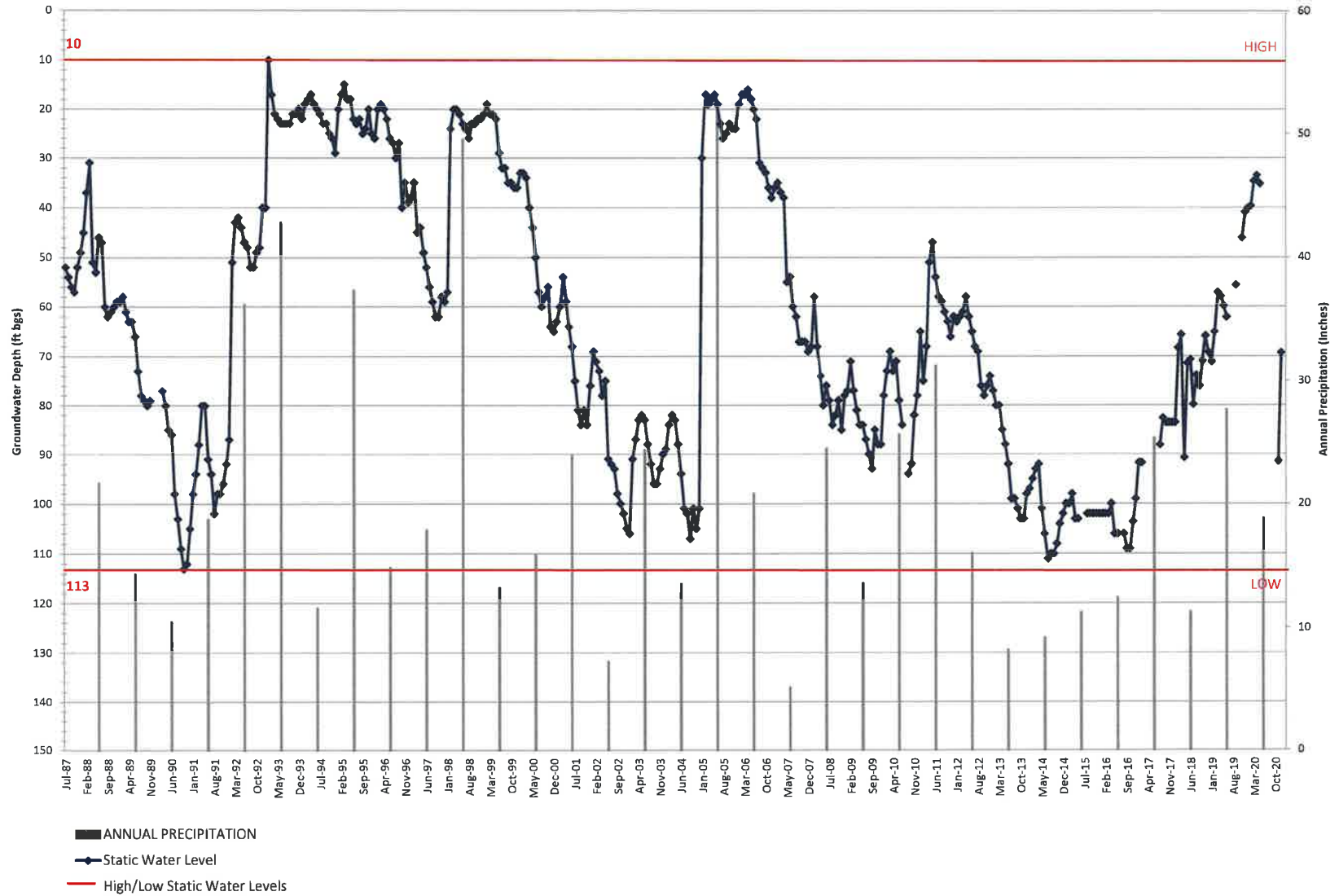
**SCV WATER WELL LOST CANYON #2A**  
**STATIC WATER LEVEL VS PRECIPITATION**



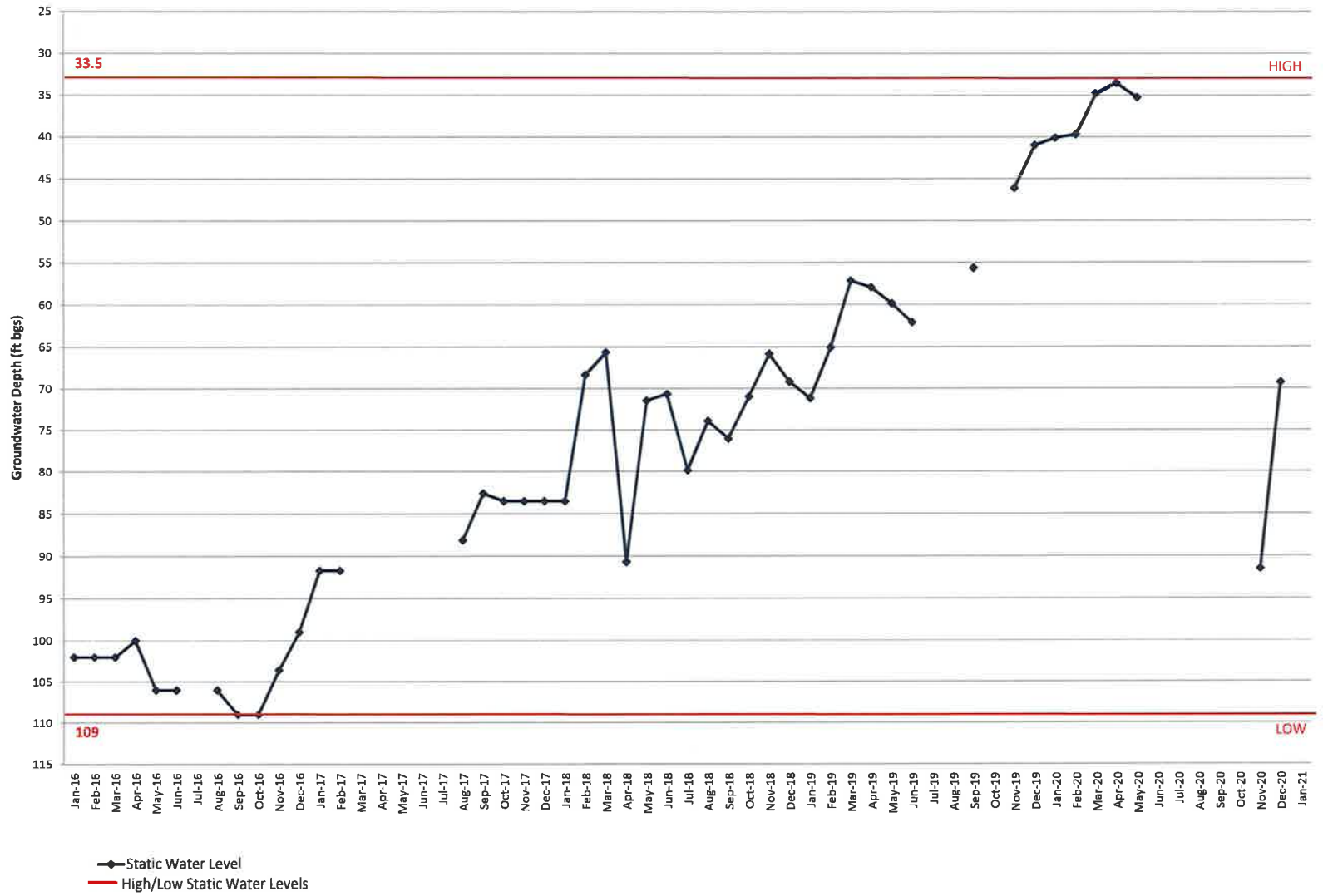
SCV WATER WELL LOST CANYON #2A  
 STATIC WATER LEVEL



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

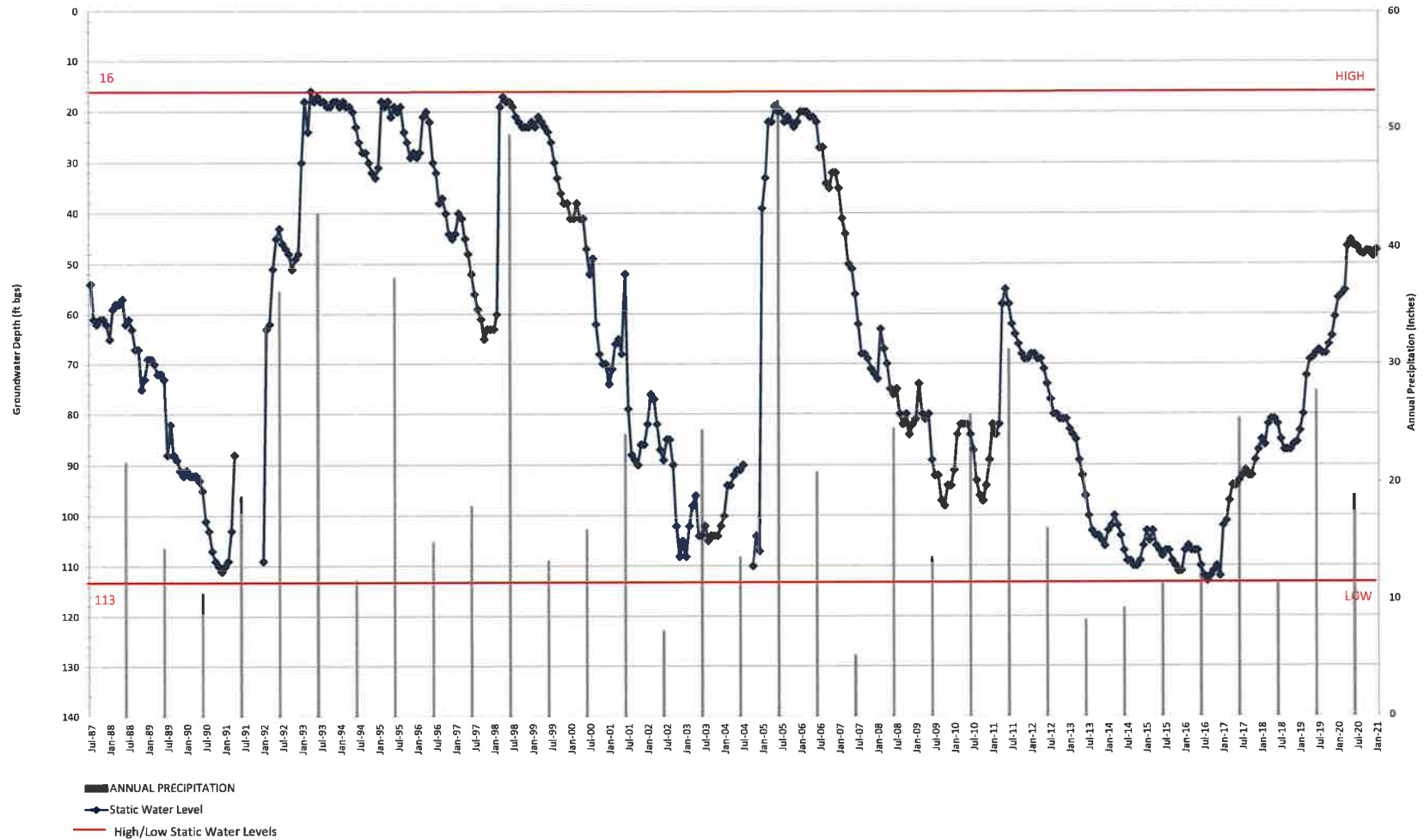


SCV WATER WELL LOST CANYON #2  
 STATIC WATER LEVEL

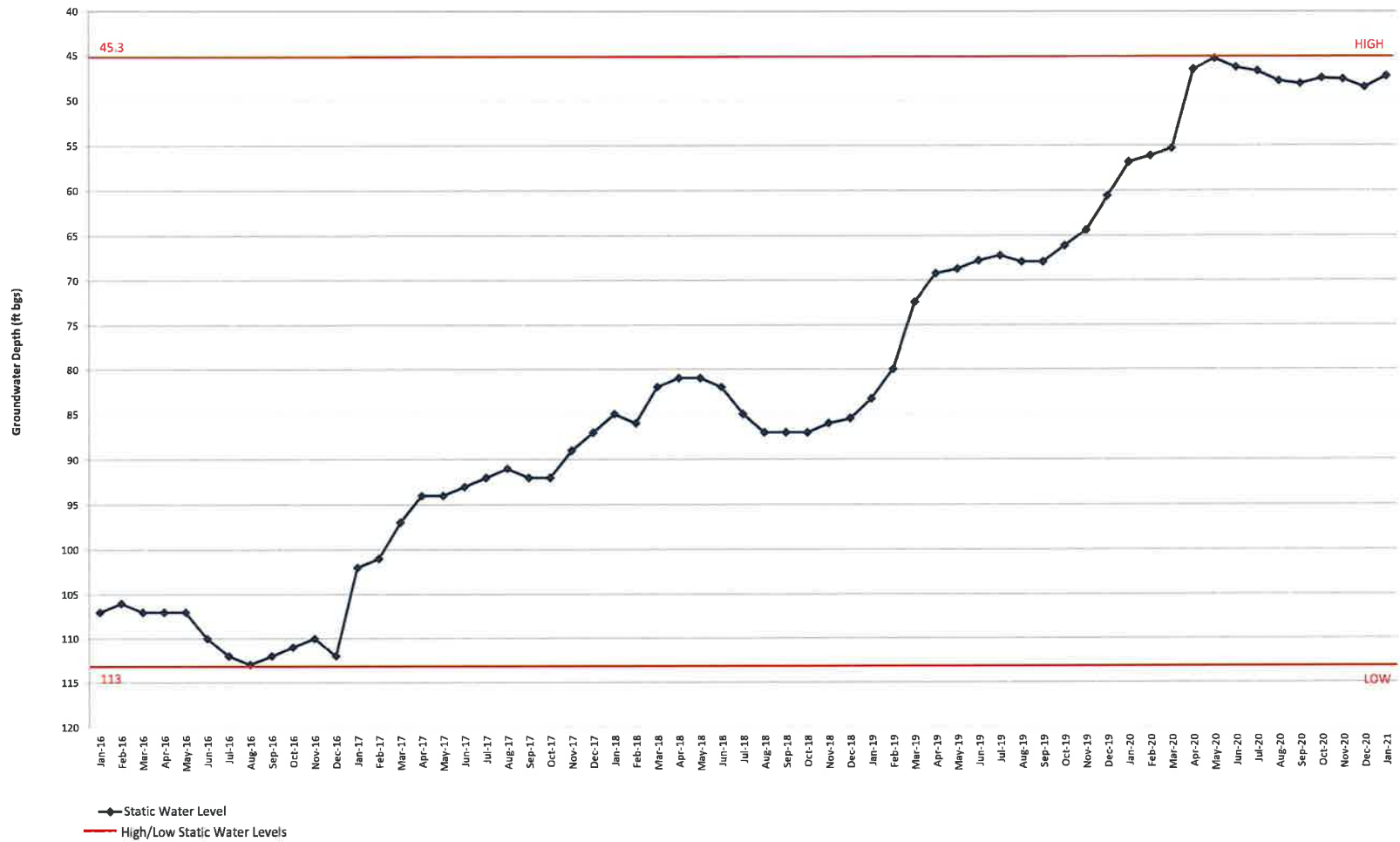




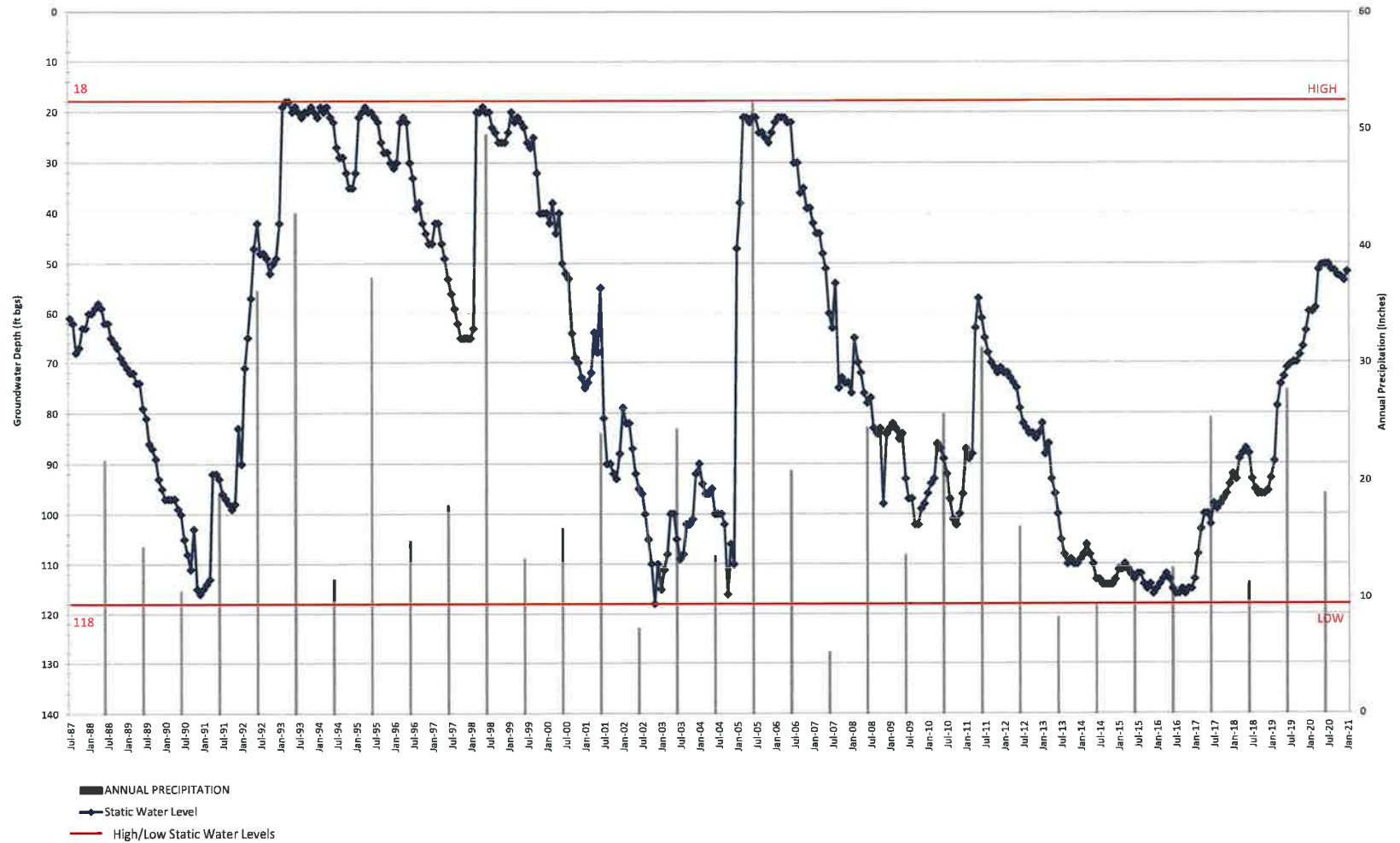
**SCV WATER WELL P4**  
**STATIC WATER LEVEL VS PRECIPITATION**



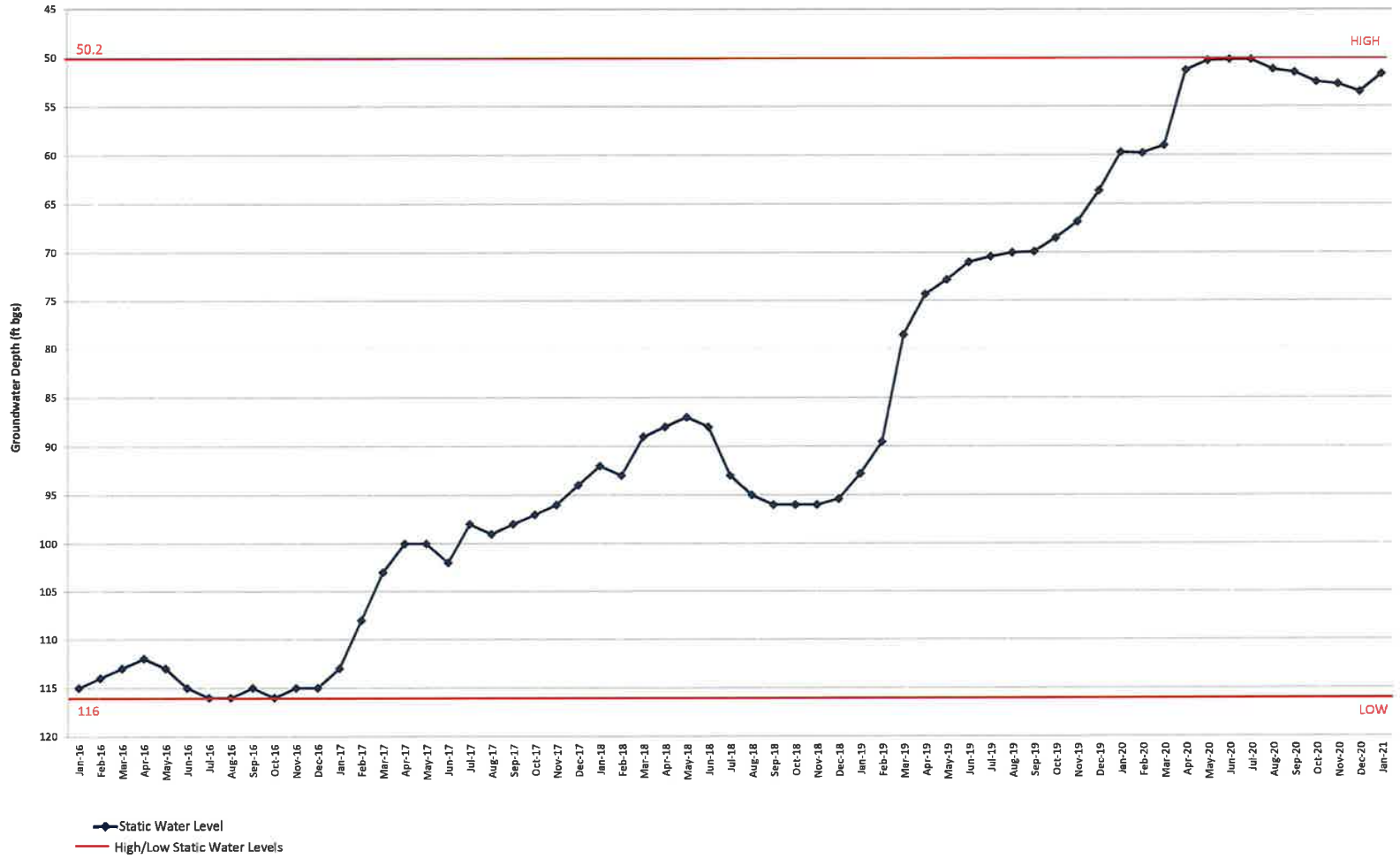
**SCV WATER WELL P4**  
**STATIC WATER LEVEL**



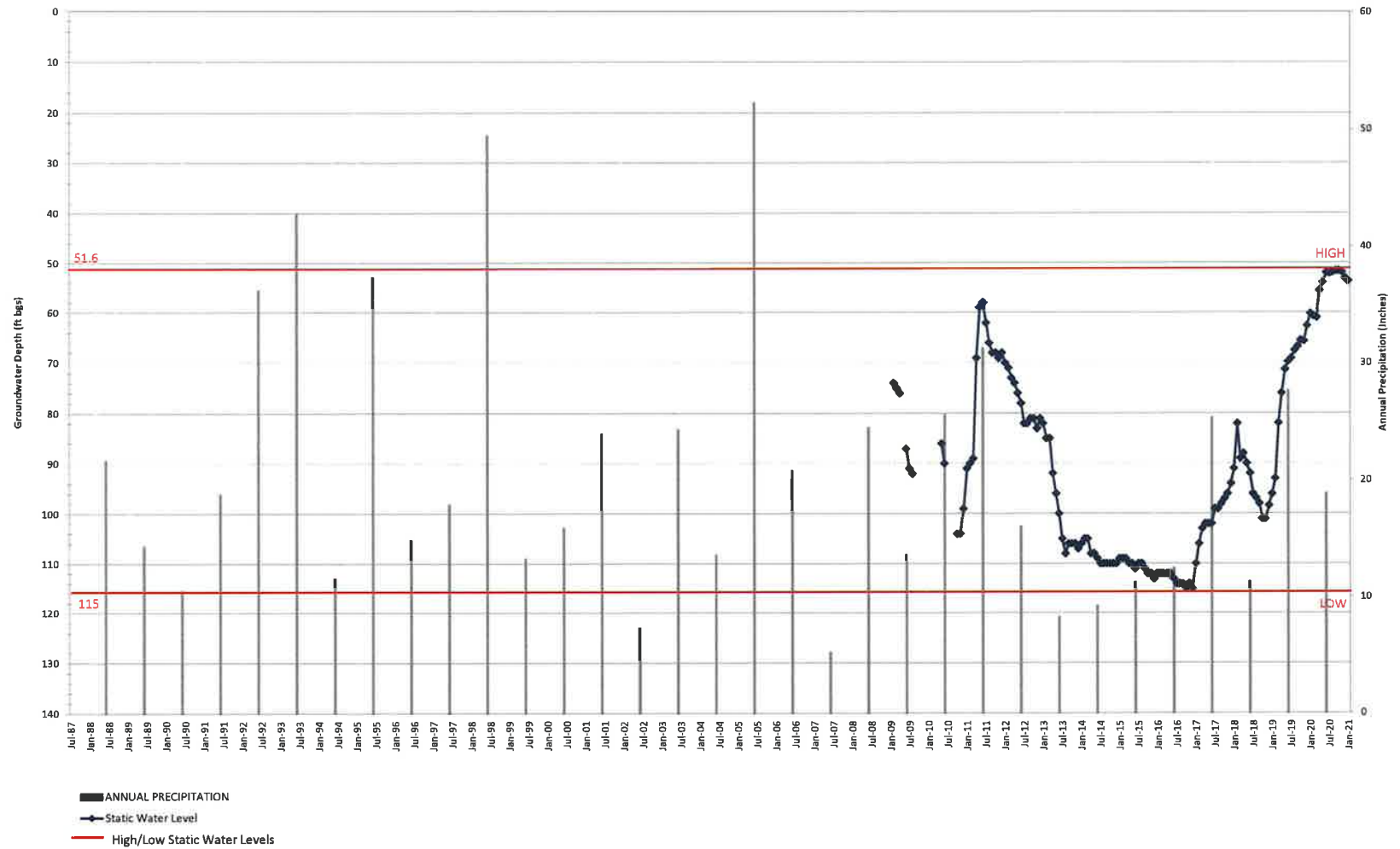
**SCV WATER WELL P3**  
**STATIC WATER LEVEL VS PRECIPITATION**



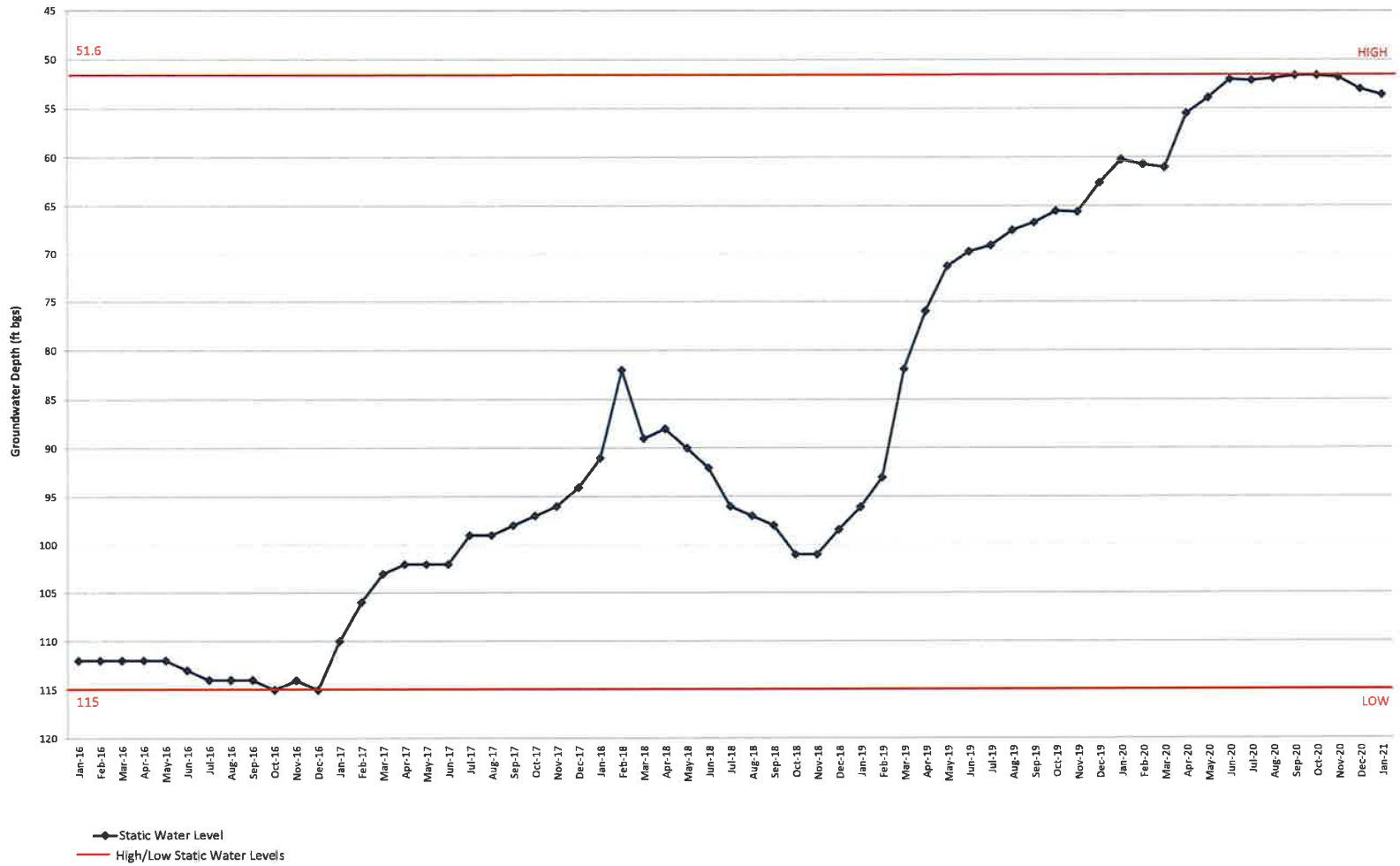
**SCV WATER WELL P3**  
**STATIC WATER LEVEL**



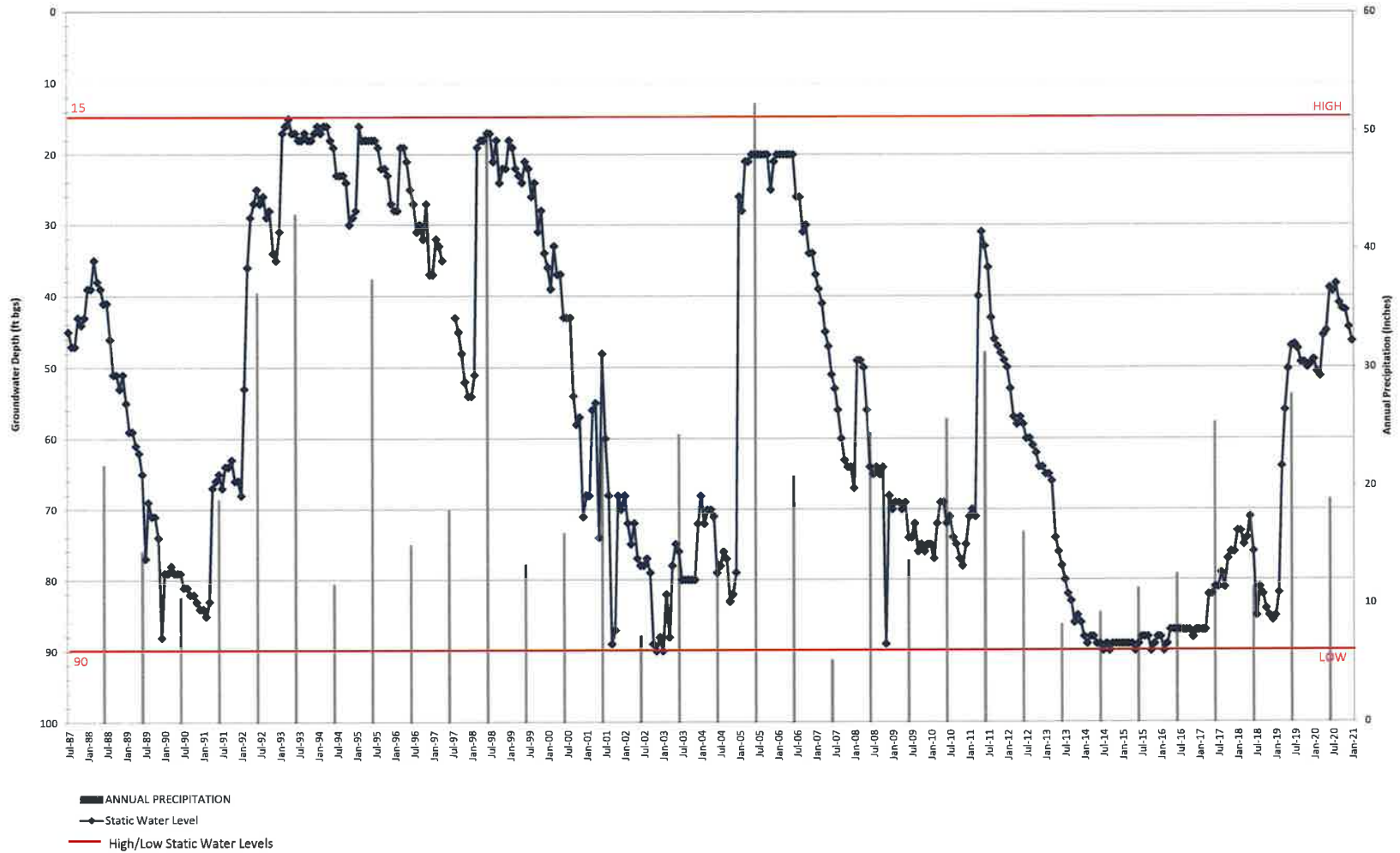
**SCV WATER WELL P5**  
**STATIC WATER LEVEL VS PRECIPITATION**



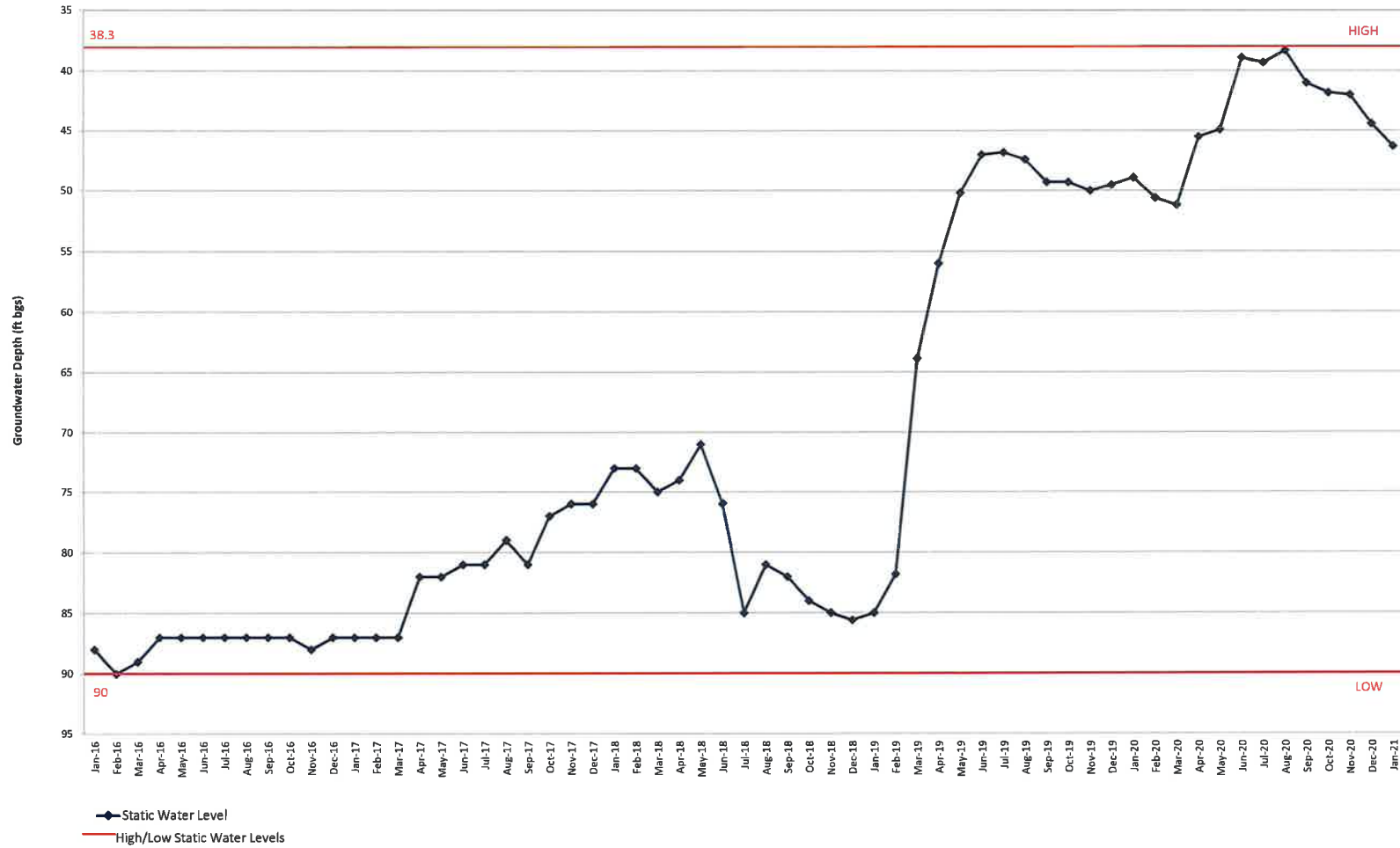
**SCV WATER WELL P5**  
**STATIC WATER LEVEL**



**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 February 15, 2021**

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
N Wells and Well Q2 Vessel Purchase	Evoqua Water Technologies, LLC.	\$1,727,960	\$18,337.65	1.1%	\$1,746,297.65	March 1, 2021	95%	N Wells startup is in progress. Well Q2 construction is in progress.
N Wells and Well Q2 Site Construction	Pacific Hydrotech Corporation	\$4,515,000	\$226,701.35	5.0%	\$4,741,701.35	March 1, 2021	95%	N Wells startup is in progress. Well Q2 construction is in progress.
West Ranch Recycled Water Main Extension (Phase 2D)	Cedro Construction Inc.	\$3,112,332	\$126,950.53	4.1%	\$3,239,282.53	April 1, 2021	98%	Construction is in progress.
Westridge Recycled Tank Upgrades Potable Make-up Above Ground Piping	W.A. Rasic Construction Company, Inc.	\$475,810	\$3,340.12	0.7%	\$479,150.12	April 1, 2021	37%	Construction is in progress.
RVWTP Chlorine Scrubber Replacement	GSE Construction Company, Inc.	\$214,300	\$0	0%	\$214,300	May 1, 2021	5%	Construction is in progress.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$307,520.07	9.97%	\$3,392,245.07	June 30, 2021	90%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	June 30, 2021	90%	Construction is in progress.
Valley Center Well Material Purchase	Evoqua Water Technologies, LLC.	\$512,802	\$0	0%	\$512,802	June 30, 2021	5%	Material submittals are in progress.

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Commerce Center Drive Pipeline	FivePoint / Blois Construction, Inc.	\$891,139.70	\$0	0%	\$891,139.70	June 30, 2021	5%	Construction submittals are in progress. Pipeline is undergoing fabrication
Vista Canyon Recycled Water Main Extension (Phase 2B)	Ferreira Construction Co, Inc.	\$2,752,982	(\$168,872)	(6.1%)	\$2,584,110	July 22, 2021	50%	Revised scope to remove piping from tank access road and a portion within HOA. Construction activities restarted in late January 2021.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	August 1, 2021	20%	Construction is in progress.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	December 31, 2021	10%	Pipe fabrication is in progress.
Replacement (Saugus 3 & 4) Wells	Best Drilling & Pump, Inc.	\$5,615,052	\$0	0%	\$5,615,052	December 31, 2021	5%	Construction activities are on hold.

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

**ITEM NO.  
7**

Item	PowerPoint Presentation (Y/N/Length)	Jul 1 Comm	Jul 7 Board	Aug 4 Board	Aug 6 Comm	Aug 18 Board	Sep 1 Board	Sep 3 Comm	Sep 15 Board	Oct 1 Comm	Oct 6 Board	Oct 20 Board	Nov 4 Board	Nov 5 Comm	Nov 17 Board	Dec 1 Board	Dec 3 Comm - CANCELLED	Jan 5 Board	Jan 7 Comm	Feb 2 Board	Feb 4 Comm	Feb 16 Board	Mar 2 Board	Mar 4 Comm	Mar 16 Board	Apr 1 Comm	Apr 6 Board	May 4 Board	May 10 Comm	Jun 1 Board	Jun 3 Comm	Jul 6 Board			
		1	Monthly Committee Planning Calendar	C			C			C		C				C					C		C				P		P			P			
2	CIP Construction Status Report				C			C		C				C					C		C				P		P			P					
3	Monthly Operations and Production Report	C			C			C		C				C					C		C				P		P			P					
4	Third Party Funded Agreements Quarterly Report				C									C							C								P						
5	Quarterly Safety Program Presentation				C									C							C								P						
6	Annual Safety Program Update (FY 19-20)						C																												
7	Recommend Approval of a Resolution Awarding a Construction Contract, a Purchase Order for Construction Management and Inspection Services, and a Purchase Order for Consultant Services for Replacement Wells Construction	C	C																																
8	Recommend Approval of a Resolution Awarding a Purchase Order for Design Services for the Replacement Wells On-Site Pipeline/Infrastructure	C	C																																
9	Recommend Approval of a Resolution Awarding a Construction Contract for the Recycled Water Tank Aboveground Piping Potable Make-Up Line Project	C	C																																
10	Recommend Approval of a Purchase Order for Final Design Services for Valley Center Well PFAS Groundwater Treatment	C	C																																
11	Recommend Approval of Purchase of Replacement Clarifier Media at Earl Schmidt Filtration Plant				C	C																													
12	Laboratory PFAS Analytical Equipment Purchase				C	C																													
13	Recommend Approval of a Purchase Order for Final Design Services for Recycled Water Tank at an Alternate Site for Recycled Water Vista Canyon (Phase 2B) Project				C	C																													
14	Recommend that the Board of Directors Reject all Bids Associated with the Santa Clarita Valley Water Agency Slurry Seal and Asphalt Installation Project for the Rio Vista Treatment Plant Location								C	C																									
15	Recommend Approval of the Installation of Approximately 400 feet of 30" Diameter Pipeline Along Ridge Route Road								C	C																									
16	Recommend Approval of the installation of Approximately 1,500 feet of 14" Diameter Pipeline Along Decoro Drive								C	C																									
17	Recommend Approval of the Installation of Approximately 1,500 feet of 12" Diameter Pipeline Along The Old Road								C	C																									
18	Recommend Approval of the Installation of Approximately 130 feet of 18" Diameter Pipeline Along Honby Avenue								C	C																									
19	Recommend Approval of a Purchase Order for Final Design Services for Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements								C	C																									

C = Completed Item  
P = Planned Item

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

	Item	PowerPoint Presentation (Y/N/Length)	Jul 1 Comm	Jul 7 Board	Aug 4 Board	Aug 6 Comm	Aug 18 Board	Sep 1 Board	Sep 3 Comm	Sep 15 Board	Oct 1 Comm	Oct 6 Board	Oct 20 Board	Nov 4 Board	Nov 5 Comm	Nov 17 Board	Dec 1 Board	Dec 3 Comm - CANCELLED	Jan 5 Board	Jan 7 Comm	Feb 2 Board	Feb 4 Comm	Feb 16 Board	Mar 2 Board	Mar 4 Comm	Mar 16 Board	Apr 1 Comm	Apr 6 Board	May 4 Board	May 10 Comm	Jun 1 Board	Jun 3 Comm	Jul 6 Board	
			20	Recommend Approval of the General Manager to execute construction change orders up to seven percent (7%) of the original construction contract for the West Ranch Recycled Water Main Extension (Phase 2D)	Yes 10 min							C	C																					
21	Recommend Approval of Construction Contract Funding and a Purchase Order for Inspection Services for Replacement Wells Commerce Center Drive Pipeline	Yes 10 min										C																						
22	Recommend Approval of a Resolution Awarding a Material Purchase Contract for Valley Center Well	Yes 10 min									C	C																						
23	Recommend Approval of a Resolution Awarding a Construction Contract to GSE Construction Company, Inc., for the Rio Vista Water Treatment Plant Chlorine Scrubber Replacement Project	Yes 10 min													C	C																		
24	Recommend Approval of a Resolution Awarding a Contract for Newhall Tank No. 2 Interior Recoat and Repair	Yes 10 min													C	C																		
25	Approve the General Manager to execute a construction change order to the original construction contract for the N Wells PFAS Groundwater Treatment and Well Q2 Perchlorate Removal Facility Project	Yes 10 Min																	C															
26	Recommend Approval of a Purchase Order for Final Design Services for the new Deane Zone Tank, Disinfection Facility, Pump Station and Cost Sharing Agreement at Skyline Ranch	Yes 10 Min																		C	C													
27	Recommend Approval of the Interconnection between the NWD and SCWD systems and the VWD and SCWD systems in the area referred to as West Newhall	Yes 10 Min																				C	C											
28	Recommend Approval of a Resolution Adopting the Final Supplemental Initial Study- Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program Under the California Environmental Quality Act for the Vista Canyon Recycled Water (Phase 2B) Project	Yes 10 Min																				C		P										
29	Vista Canyon (Phase 2B) Recycled Water Tank Site: Authorize the General Manager to (1) Execute Agreement to Purchase Property (A portion of Lot 90 of Tract 52833, APN 2841-016-071) for the Phase 2B Recycled Water Tank Location for up to \$65,000, and (2) Execute Agreement to Transfer Property (A portion of Lot 94 of Tract 52833, APN 2841-080-901) to the City of Santa Clarita.	Yes 10 min																						P										
30	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Valley Center Well PFAS Groundwater Treatment Project	Yes 10 min																							P	P								

C = Completed Item  
P = Planned Item



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

	Item	PowerPoint Presentation (Y/N/Length)	Jul 1 Comm	Jul 7 Board	Aug 4 Board	Aug 6 Comm	Aug 18 Board	Sep 1 Board	Sep 3 Comm	Sep 15 Board	Oct 1 Comm	Oct 6 Board	Oct 20 Board	Nov 4 Board	Nov 5 Comm	Nov 17 Board	Dec 1 Board	Dec 3 Comm - CANCELLED	Jan 5 Board	Jan 7 Comm	Feb 2 Board	Feb 4 Comm	Feb 16 Board	Mar 2 Board	Mar 4 Comm	Mar 16 Board	Apr 1 Comm	Apr 6 Board	May 4 Board	May 10 Comm	Jun 1 Board	Jun 3 Comm	Jul 6 Board	
42	Recommend Approval of Construction of a New Skyline Ranch (Deane Zone) Pump Station and Cost Sharing Agreement with Developer	TBD																																Moved to FY 2021/22
43	Recommend Approval of Construction of New Skyline Ranch 2.1 MG Tanks (Deane Zone) and Cost Sharing Agreement with Developer	TBD																																Moved to FY 2021/22
44	Recommend Approval of Construction of New Sand Canyon Plaza 1.5 MG Tank (Deane Zone) and Cost Sharing Agreement with Developer	TBD																																Moved to FY 2021/22