



**Date:** August 25, 2020

**To: Engineering and Operations Committee**  
William Cooper, Chair  
Ed Colley  
Robert DiPrimio  
Jeff Ford  
Gary Martin  
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, September 3, 2020 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 1-877-309-2073, Access Code 943-500-965,** **or GoToMeeting by clicking on the link <https://global.gotomeeting.com/join/943500965>** 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 GoToMeeting 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, Administrative Analyst**, 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 Authorizing the General Manager to Execute a Purchase Order for Hazen and Sawyer for Final Design of the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Project	1
3. *	Recommend Authorizing the General Manager to Execute Construction Change Orders up to Seven Percent (7%) for the West Ranch Recycled Water Main Extension (Phase 2D) Project	13
4. *	Recommend 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	23
5. *	Recommend Approval of the Installation of Approximately 400 feet of 30" Diameter Pipeline Along Ridge Route Road	25
6. *	Recommend Approval of the Installation of Approximately 1,500 feet of 14" Diameter Pipeline Along Decoro Drive	29
7. *	Recommend Approval of the Installation of Approximately 1,500 feet of 12" Diameter Pipeline Along The Old Road	33
8. *	Recommend Approval of the Installation of Approximately 130 feet of 18" Diameter Pipeline and SC-2 Modifications Along Honby Avenue	37
9. *	Monthly Operations and Production Report	41
10. *	Capital Improvement Projects Construction Status Report	99
11. *	Committee Planning Calendar	101
12.	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
13.	General Report on Engineering Services Section Activities	
14.	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, Administrative Analyst, 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 August 27, 2020.

M65

[This page intentionally left blank.]



## COMMITTEE MEMORANDUM

**DATE:** August 12, 2020

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Authorizing the General Manager to Execute a Purchase Order for Hazen and Sawyer for Final Design of the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Project

---

### SUMMARY

In response to a March 2019 Order issued by the Division of Drinking Water (DDW), SCV Water (Agency) collected groundwater samples from a number of its wells and received water quality results for a suite of chemicals referred to as per- and polyfluoroalkyl substances (PFAS). There are currently no regulatory standards for PFAS, however, DDW has issued health advisory levels referred to as Notification Levels (NL) and Response Levels (RL). NLs and RLs have been established for two PFAS chemicals, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS).

The RL for PFOA resulted in both the Santa Clara and Honby Wells (Wells) being taken offline. Staff has identified the Wells as prime candidates for PFAS removal which it will allow the Agency to regain some of the lost groundwater production capacity. Staff is aggressively pursuing design, and installation of this treatment facility (treatment facility rendering in attached presentation) to return the Wells back into service. Staff is asking for Board approval to approve a purchase order for Hazen and Sawyer (H&S) to provide final design services.

### DISCUSSION

The Santa Clara Well is located at 27100 Furnival Avenue and the Honby Well is located at 26930 Ruether Drive. The Agency owns and operates both Wells which have a capacity of up to 1,500 and 950 gallons per minute, respectively. Recent water quality sampling at both Wells indicate elevated concentrations of PFAS that currently exceeds DDW's RL for PFOA of 10 ppt. In response, the Agency decided to shut down the Wells until necessary PFAS treatment is constructed. The Agency assessed PFAS treatment alternatives and requirements for both Wells and has developed a preliminary design to implement Ion Exchange Treatment for both Wells at the Sand Canyon Pump Station site.

Final design is the next step for implementation of PFAS treatment for both Wells. Final design services will generally include the preparation of the design, construction documents (plans and specifications), and construction cost estimates for the treatment improvements. Staff issued a Request for Proposal (RFP) to six of the Agency's on-call Engineering Consultants. Staff is recommending H&S to provide final design services for the treatment improvements.

## CEQA DETERMINATION

The proposed action today is authorization to prepare a final design for this project. The whole of the action also includes construction and operation of the project. The term "Project" in CEQA refers to the whole of the action and to the underlying activity being approved, not to each governmental approval. (CEQA Guideline §15378(a), (c)-(d)). This definition ensures that the action reviewed under CEQA is not the approval itself but the development or other activities that will result from the approval. Therefore, the Project is subject to CEQA.

The Project will consist of 4 tanks (approx. 12' diameter, 17' height), associated cartridge filters, piping, a chloramination disinfection facility housed within a structure, along with associated electrical, SCADA, water quality measuring equipment, pump upgrades and approximately 1,100 feet of 10"-18" pipe located in the City of Santa Clarita's Right-of-Way between the Honby Well and the Sand Canyon Pump Station site. The vessels will be loaded with ion exchange resin which will trap the contaminants via adsorption. The treatment system will treat up to 1,500 gpm for the Santa Clara Well and 950 gpm for the Honby Well. The treatment is needed since the chemical group PFAS has begun to be regulated and tests of these wells have detected these chemicals which has led to our inability to use the Wells without treatment.

During normal operations, the primary discharge at the site will occur when the Wells are started up and the well water is discharged to waste prior to sending water through the treatment and distribution system. For well start-up, the pump to waste duration is approximately 2-3 minutes at a rate of 1,500 gpm for the Santa Clara Well and 950 gpm for the Honby Well.

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

- The Project, aka the whole of the action, qualifies for an exemption under CEQA guidelines section 15301 Class 1 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 water main extension and treatment system reflect limited construction of facilities where only minor modifications are made.
- None of the exemptions listed in Section 15300.2 of the CEQA Guidelines would apply to the action.

## **FINANCIAL CONSIDERATIONS**

The Project is included in the Agency's FY 2020/21 Capital Improvement Budget for the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvement Projects. The final design work would be performed on a time and expense basis with a design budget of \$400,000. In addition, the Agency is actively seeking grant funding to offset project costs.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors authorize the General Manager to execute a purchase order with Hazen and Sawyer for an amount not to exceed \$400,000 for final design engineering services for the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements Project.

SB

Attachment

MBS

[This page intentionally left blank.]





September 3, 2020

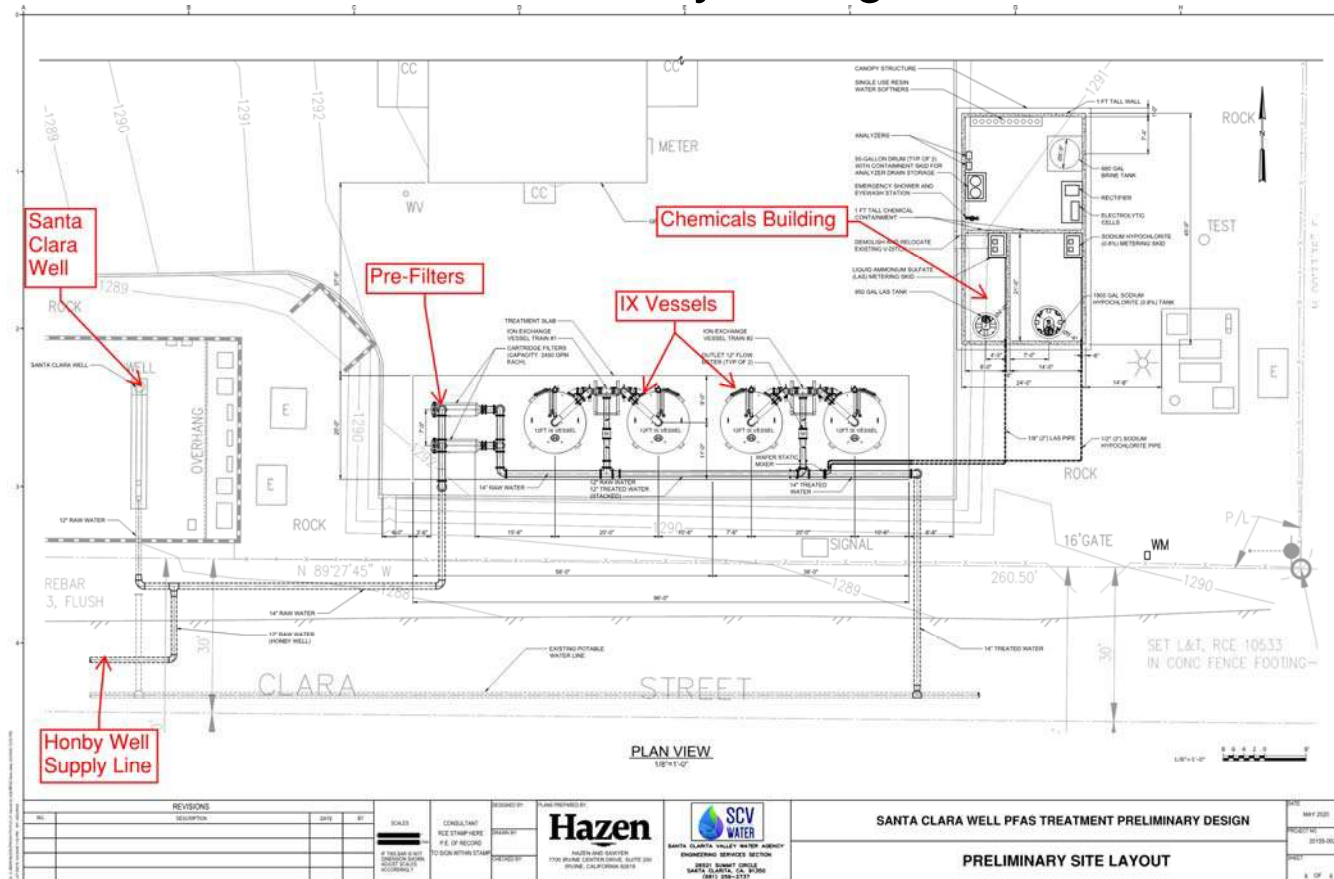
# Santa Clara and Honby Wells PFAS Groundwater Treatment Project

Engineering and Operations  
Committee Meeting

# Santa Clara & Honby Wells PFAS Groundwater Treatment Project Location Map



# Santa Clara & Honby Wells PFAS Groundwater Treatment Project Preliminary Design



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



## Santa Clara & Honby Wells PFAS Groundwater Treatment Project Design Team

- Sent an RFP to 6 Consultants through PlanetBids
- Hazen & Sawyer prepared Preliminary Design for the project
- Hazen & Sawyer submitted a Final Design Proposal (Fee of \$400,000)
- Hazen & Sawyer is one of our On-Call Consultants



# Santa Clara & Honby Wells PFAS Groundwater Treatment Project Anticipated Project Schedule

- Final Design Phase:
  - ✓ September 3, 2020: Engineering & Operations Committee
  - ✓ October 6, 2020: Board Meeting
  - ✓ October 7, 2020: Issue Notice To Proceed to Hazen & Sawyer
  - ✓ February 2021: Complete Final Design



# Santa Clara & Honby Wells PFAS Groundwater Treatment Project Recommendation

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

- Authorize the General Manager to issue a Purchase Order to Hazen & Sawyer for the Final Design of the Santa Clara & Honby Wells PFAS Groundwater Treatment Project for an amount not to exceed \$400,000.

# Questions







## COMMITTEE MEMORANDUM

**DATE:** August 15, 2020

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Authorizing the General Manager to Execute Construction Change Orders up to Seven Percent (7%) for the West Ranch Recycled Water Main Extension (Phase 2D) Project

---

### SUMMARY

On February 4, 2020, the Santa Clarita Valley Water Agency Board of Directors adopted a resolution awarding a construction contract to Cedro Construction, Inc. (Cedro) for the West Ranch Recycled Water Main Extension (Phase 2D) Project. Additional work beyond the original contract documents has been required because of unforeseen conditions. The cost amount is under evaluation but may potentially be near the General Manager's authority for change orders. To date, there has 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. Staff is recommending authorization for the General Manager to execute construction change orders up to seven percent (7%) of the original construction contract.

### DISCUSSION

The Agency's Capital Improvement Program includes the development and construction of a recycled water system. The West Ranch Recycled Water Main Extension (Phase 2D) Project (Project) includes construction of approximately 5,000 linear feet of new 12-inch diameter pipeline, an enclosed pump station and a hydropneumatic tank that would convey recycled water from the Agency's existing Recycled Water Reservoir No. 1 to customers including West Ranch High School, Rancho Pico Junior High School, Oak Hills Elementary School and several Homeowner's Association and street irrigation customers along the pipeline route.

On February 4, 2020, the Board of Directors awarded a construction contract in the amount of \$3,112,332 to Cedro and construction is in progress. During the installation of the pipeline, it was necessary for portions of the pipeline to be installed lower than anticipated due to existing pipe crossings being lower than expected. The resulting construction change order cost for the additional work is being evaluated and may potentially be near or above four percent (4%) of the construction contract amount. The pipeline installation is anticipated to be completed around November 2020 and the overall construction is anticipated to be completed around December 2020.

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 grant a different change order authority on a project specific basis. Since it is anticipated that there may be a limited time for change order processing and approval, staff is recommending increasing the

General Manager's change order authority from four percent (4%) to seven percent (7%) of the original contract amount.

### CEQA Determination

The proposed action is increasing the General Manager's change order authority for the Project, which is constructing the West Ranch Recycled Water Main Extension (Phase 2D) Project. The Project was previously evaluated by the Castaic Lake Water Agency's (CLWA) Board of Directors. On July 26, 2017, CLWA, as the lead agency under CEQA, adopted the Mitigated Negative Declaration (MND) for the Project, and the Mitigation Monitoring and Reporting Program with the adoption of Resolution No. SCV-134. CLWA filed the Notice of Determination with the Los Angeles County Clerk's Office and the State Clearinghouse on August 1, 2017.

As a result of the integration of CLWA into the Agency pursuant to SB 634, the Agency is now the lead agency under CEQA for the Project. In its role as lead agency, the Agency has now evaluated the adopted MND pursuant to CEQA Guideline 15162 to determine if, when taking subsequent discretionary actions in furtherance of a project for which an MND has been adopted, the Agency is required to review any changed circumstances to determine whether any of the circumstances under Public Resources Code section 21166 and CEQA Guidelines section 15162 require additional environmental review. Based on that evaluation, and given that in some cases excavation depths have increased (between 0.5 and 2.5 feet in some areas) staff determined the amount of increased excavation is approximately 1.8% more than the total excavation evaluated in the MND, and therefore conclude this minor increase does not increase significance of previously evaluated impacts or create new significant impacts and therefore the MND fully analyzed and mitigated all potentially significant environmental impacts, if any, that would result from the Project, and therefore, no subsequent EIR or mitigated negative declaration is required.

### **FINANCIAL CONSIDERATIONS**

The Project is included in the Agency's FY 2019/20 Capital Improvement Budget for the West Ranch Recycled Water Main Extension (Phase 2D) Project. The Project's total estimated cost, including planning, design, construction management, construction, inspection and miscellaneous costs, is \$4,700,000. The Project is expected to receive \$1,806,900 in grant funding from Proposition 84 Integrated Regional Water Management (IRWM) Round 1 Implementation Program Grant funds from the State of California Natural Resources Agency, Department of Water Resources. As of July 31, 2020, the Project's total expenses are \$2,060,000.

### **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors authorize 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) Project.

SB

M65

September 3, 2020

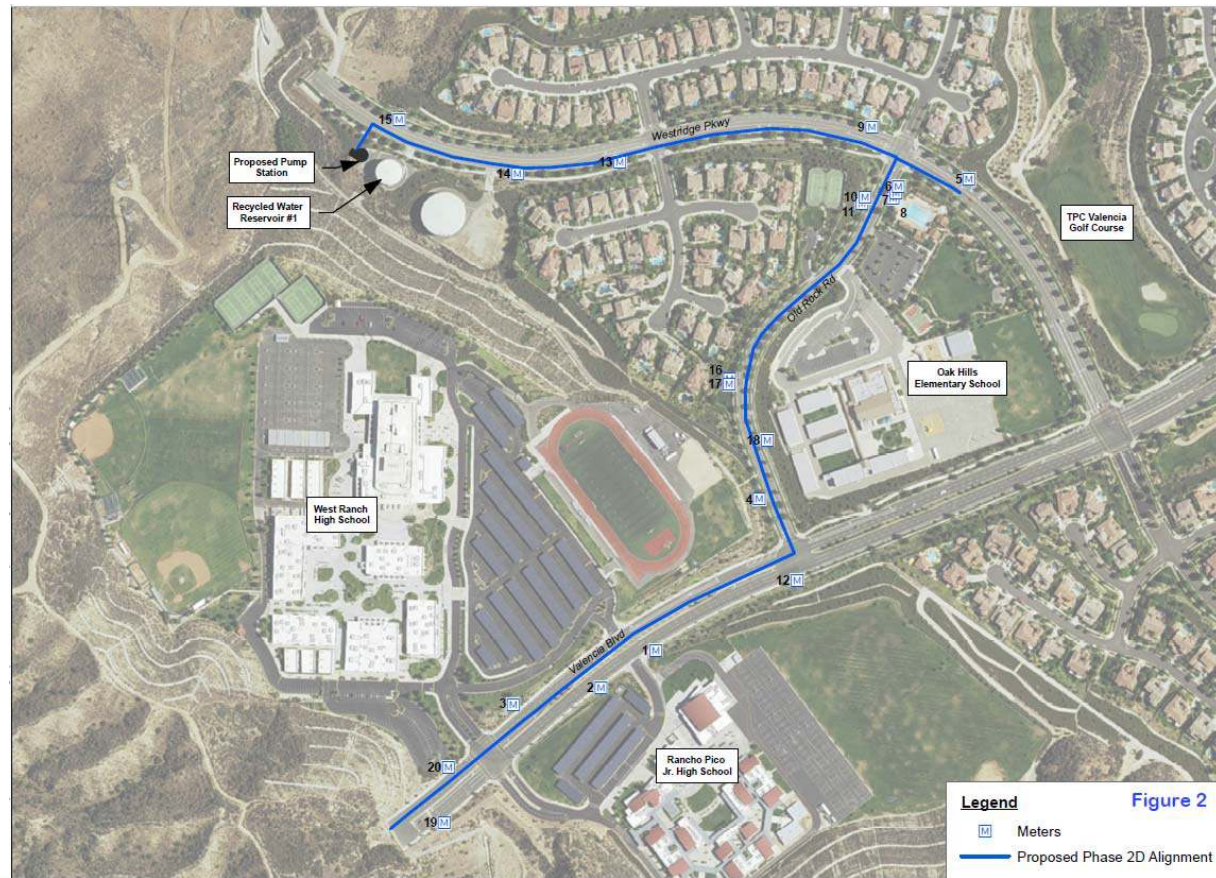


# Construction Update on the West Ranch Recycled Water Main Extension (Phase 2D) Project

**Engineering and Operations  
Committee Meeting**

# West Ranch Recycled Water Main Extension (Phase 2D) Project

- 20 existing irrigation meters
- 211 AFY of existing irrigation demands
- 4,850 L.F. (12" and 6") DIP pipe
- 1,000 gpm Pump Station
- 1 Hydropneumatic tank (2,500 Gallons)
- SB 634 – Community Workforce Agreement



# West Ranch Recycled Water Main Extension (Phase 2D) Project



# West Ranch Recycled Water Main Extension (Phase 2D) Project



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



# West Ranch Recycled Water Main Extension (Phase 2D) Project



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



# West Ranch Recycled Water Main Extension (Phase 2D) Project Contract Bid

<u>Bidder</u>	<u>Bid Amount</u>
Cedro Construction, Inc.	\$3,112,332

- Board of Directors approved the project in February 4, 2020
- Change orders are limited to 4% of the contract bid amount
- Potential change orders may result in an amount larger than 4%
- Potential change orders are under evaluation





# West Ranch Recycled Water Main Extension (Phase 2D) Project Recommendation

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

- Authorize the General Manager to execute construction change orders up to seven percent (7%) of the original construction contract.




# Questions?



# COMMITTEE MEMORANDUM

**DATE:** August 26, 2020

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend 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

## SUMMARY

Included in the 2021 FY Regional Budget is a slurry and repaving project for the roads in and around the Rio Vista Treatment Plant (RVTP) and access roads. A Request for Proposals (RFP) was issued and three (3) bids were received. Unfortunately, after reviewing the bids and seeking input from legal counsel, the bids need to be rejected and the RFP needs to be revised and reissued.

## DISCUSSION

Periodically, asphalt roadways need to be slurry sealed and/or replaced. Both access roads leading up the RVTP location, the employee parking lot, maintenance yard, chemical building and wash water treatment areas were included in the RFP. The RFP was issued on July 9, 2020 and included a mandatory site visit. Three (3) proposals were received and the amounts are presented in the table below.

Company	Proposal Amount
Pave West, Inc.	\$126,819.98
Toro Enterprises, Inc.	\$206,749.00
Onyx Paving Company, Inc.	\$234,000.00

Because of the discrepancies between the proposal amounts, staff solicited advice from legal counsel. Legal counsel identified several technical issues with the RFP, which may have resulted in the proposal amount differences. Pursuant to Sections 2 and 8 of the RFP and pursuant to Public Contract Codes Section 21531, the bids can be rejected, and the RFP would then be revised and re-advertised.

## FINANCIAL CONSIDERATIONS

None

## **RECOMMENDATION**

That the Engineering and Operations Committee 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.


MBS



## COMMITTEE MEMORANDUM

**DATE:** August 26, 2020

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Approval of the Installation of Approximately 400 feet of 30" Diameter Pipeline Along Ridge Route Road

---

### SUMMARY

SCV Water's system encompasses more than 900 miles of pipeline ranging in sizes from 4" to 102" in diameter. The pipeline materials used include asbestos cement, PVC, steel, and ductile iron. Each material has a different expected useful operating life. Sometimes pipelines need replacing before their useful operating life has been exceeded while other times they may last much longer. Regardless, it is prudent to have an active replacement program. The Ridge Route Pipeline Relocation project includes the realignment of approximately 400 feet of 30" diameter pipeline.

### DISCUSSION

In 1999, a 30" diameter pipeline was installed along Ridge Route Road to provide water to Tank 1A in the Castaic service area. During the heavy El Nino rains of 2005, a portion of the pipe became exposed and the edge of the roadway began settling causing concern that the pipe might slide off the side of the hill. Therefore, a portion of the pipeline was isolated and the water was diverted through an alternate 16" diameter pipeline. In order to restore the 30" diameter pipeline pumping route and provide redundancy to Tank 1A, approximately 400 feet of this pipeline needs to be relocated.

SCV Water crews will be responsible for completing this project with the exception of paving. Since the paving estimate is more than \$30,000 a formal request for proposal process will be followed in accordance with the Purchasing Policy. The total project estimated cost is approximately \$391,000 with internal labor and equipment comprising approximately 20% of the estimated cost.

According to Section 15282(k) of the California Environmental Quality Act, the installation of new pipelines as set forth in Section 21080.21 of the Public Resources Code is considered statutorily exempt as long as the project does not exceed one mile in length. Therefore, a Notice of Exemption for CEQA under Section 15282(k) will be filed for this project.

### FINANCIAL CONSIDERATIONS

Funds for this project are included in the Newhall Water Division Pay Go FY 2020/21 Capital Pipeline Improvement Budget in the amount of \$395,000.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommend that the Board of Directors find the installation of approximately 400 feet of 30" diameter pipeline along Ridge Route Road to be exempt from CEQA and authorize the General Manager to direct staff to complete this project in an amount not to exceed \$395,000.

Attachment

M65

# Notice of Exemption California Environmental Quality Act

---

**To:**  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

**From:** Santa Clarita Valley Water Agency  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350

County Clerk  
County of Los Angeles  
12400 E. Imperial Highway  
Norwalk, CA 90650

**Project Title:** Pipeline relocation in Ridge Route Road

**Project Location - Specific:** Ridge Route Rd apprx 3,100 feet north of the intersection of  
Ridge Route Road and Pin Crest Place

**Project Location - City:** Castaic      **Project Location - County:** Los Angeles

**Description of Nature, Purpose, and Beneficiaries of Project:**

To install approximately 400 feet of 30" pipeline in Ridge Route Road.

This project will bring the pipeline within public road right-of-way and  
provide an alternate route for water flow to an Agency storage tank.

**Name of Public Agency Approving Project:** Santa Clarita Valley Water Agency

**Name of Person or Agency Carrying Out Project:** Satna Clarita Valley Water Agency

**Exempt Status:** *(check one)*

- Ministerial, Sec. 21080(b)(1); 15268;
- Declared Emergency, Sec. 21080(b)(3); 15269(a);
- Emergency Project, Sec. 21080(b)(4); 15269(b)(c);
- Categorical Exemption, Sec. 15302(c);
- Statutory Exemptions. Section 15282(k)

**Reasons why project is exempt:** This project consists of the installation of approximately 400 feet of piping  
along Ridge Route Road

**Lead Agency**

**Contact Person:** \_\_\_\_\_

Area Code/Telephone/Extension: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

- Signed by Lead Agency
- Signed by Applicant

Date Received for filling at OPR:

[This page intentionally left blank.]






## COMMITTEE MEMORANDUM

**DATE:** August 26, 2020

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Approval of the Installation of Approximately 1,500 feet of 14" Diameter Pipeline Along Decoro Drive

---

### SUMMARY

SCV Water's system encompasses more than 900 miles of pipeline ranging in sizes from 4" to 102" in diameter. The pipeline materials used include asbestos cement, PVC, steel, and ductile iron. Each material has a different expected useful operating life. Sometimes pipelines need replacing before their useful operating life has been exceeded while other times they may last much longer. Regardless, it is prudent to have an active replacement program. Recently, SCV Water has experienced several large pipeline breaks within the Valencia service area. These breaks have been identified as 14" diameter C-900 PVC pipelines. In order to help reduce the damage from future breaks, SCV Water has established a Large Diameter PVC Pipeline Replacement Program. A section of 14" diameter pipeline within Decoro Drive is the first area which will be replaced.

### DISCUSSION

Since August 2019, there have been four (4) large mainline breaks along a stretch of Decoro Drive between Bidwell Lane and Vista Delgado Drive. These breaks have caused significant damage to the roadway and resulted in costly repairs. Therefore, this area of approximately 1,500 feet of 14" diameter pipeline is being replaced.

SCV Water crews will be responsible for completing this project with the exception of paving. Since the paving estimate is more than \$30,000 a formal request for proposal process will be followed in accordance with the Purchasing Policy. The total project estimated cost is approximately \$675,000 with internal labor and equipment comprising approximately 30% of the estimated cost.

According to Section 15282(k) of the California Environmental Quality Act, the installation of new pipelines as set forth in Section 21080.21 of the Public Resources Code is considered statutorily exempt as long as the project does not exceed one mile in length. Therefore, a Notice of Exemption for CEQA under Section 15282(k) will be filed for this project.

### FINANCIAL CONSIDERATIONS

Funds for this project are included in the Valencia Water Division Pay Go FY 2020/21 Capital Pipeline Improvement Budget in the amount of \$950,000.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommend that the Board of Directors find the installation of approximately 1,500 feet of 14" diameter pipeline along Decoro Drive to be exempt from CEQA and authorize the General Manager to direct staff to complete this project in an amount not to exceed \$675,000.

Attachment

M65

# Notice of Exemption California Environmental Quality Act

---

**To:**  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

**From:** Santa Clarita Valley Water Agency  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350

County Clerk  
County of Los Angeles  
12400 E. Imperial Highway  
Norwalk, CA 90650

**Project Title:** Pipeline replacement in Decoro Drive

---

**Project Location - Specific:** Decoro Drive between Bidwell Lane and Vista Delgado Drive

---

**Project Location - City:** Valencia      **Project Location - County:** Los Angeles

---

**Description of Nature, Purpose, and Beneficiaries of Project:**

To replace approximately 1,500 feet of 14" pipeline in Decoro Drive.

This replace a section of 14" PVC pipeline which has experienced  
multiple breaks over the last year.

---

**Name of Public Agency Approving Project:** Santa Clarita Valley Water Agency

---

**Name of Person or Agency Carrying Out Project:** Satna Clarita Valley Water Agency

---

**Exempt Status:** *(check one)*

- Ministerial, Sec. 21080(b)(1); 15268;
- Declared Emergency, Sec. 21080(b)(3); 15269(a);
- Emergency Project, Sec. 21080(b)(4); 15269(b)(c);
- Categorical Exemption, Sec. 15302(c);
- Statutory Exemptions. Section 15282(k)

**Reasons why project is exempt:** This project consists of the installation of approximately 1,500 feet of piping  
along Decoro Drive

---

**Lead Agency**

**Contact Person:** \_\_\_\_\_

Area Code/Telephone/Extension: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

- Signed by Lead Agency
- Signed by Applicant

Date Received for filling at OPR:

[This page intentionally left blank.]



## COMMITTEE MEMORANDUM

**DATE:** August 26, 2020

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Approval of the Installation of Approximately 1,500 feet of 12" Diameter Pipeline Along The Old Road

---

### SUMMARY

SCV Water's system encompasses more than 900 miles of pipeline ranging in sizes from 4" to 102" in diameter. The pipeline materials used include asbestos cement, PVC, steel, and ductile iron. These pipelines are the arteries of our drinking water transmission and distribution system. In the May 2006 Newhall County Water District Castaic System Master Plan various pipeline deficiencies were noted. One deficiency noted was a single distribution feed to Castaic Tank 1D. The Old Road pipeline project will provide needed redundancy to the Castaic system by having a secondary pipeline route to Tank 1D.

### DISCUSSION

Currently, one 12" diameter pipeline in Green Hill Drive, which parallels The Old Road provides the water supply for Tank 1D in the Castaic system. In order to provide additional redundancy and operational flexibility, an additional 1,500 feet of 12" diameter ductile iron pipeline is proposed to be installed in The Old Road.

SCV Water crews will be responsible for completing this project with the exception of paving. Since the paving estimate is more than \$30,000 a formal request for proposal process will be followed in accordance with the Purchasing Policy. The total project estimated cost is approximately \$462,000 with internal labor and equipment comprising approximately 25% of the estimated cost.

According to section 15282(k) of the California Environmental Quality Act, the installation of new pipeline as set forth in Section 21080.21 of the Public Resources Code is considered statutorily exempt as long as the project does not exceed one mile in length. Therefore, a Notice of Exemption for CEQA under Section 15282(k) will be filed for this project.

### FINANCIAL CONSIDERATIONS

Funds for this project are included in the Newhall Water Division Pay Go FY 2020/21 Capital Pipeline Improvement Budget in the amount of \$510,000.

### RECOMMENDATION

That the Engineering and Operations Committee recommend that the Board of Directors find the installation of approximately 1,500 feet of 12" diameter pipeline along The Old Road to be

exempt from CEQA and authorize the General Manager to direct staff to complete this project in an amount not to exceed \$510,000.

Attachment

M65

**Notice of Exemption  
California Environmental Quality Act**

---

**To:**  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

**From:** Santa Clarita Valley Water Agency  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350

County Clerk  
County of Los Angeles  
12400 E. Imperial Highway  
Norwalk, CA 90650

**Project Title:** Pipeline installation in The Old

---

**Project Location - Specific:** The Old Road between Pinto Place and Victoria Road

---

**Project Location - City:** Castaic      **Project Location - County:** Los Angeles

---

**Description of Nature, Purpose, and Beneficiaries of Project:**

To install approximately 1,500 feet of 12" pipeline in The Old Road

---

This project will provide redundant service the an Agency water storage

---

tank to help reduce loss of service during maintenance and repairs.

---

**Name of Public Agency Approving Project:** Santa Clarita Valley Water Agency

---

**Name of Person or Agency Carrying Out Project:** Satna Clarita Valley Water Agency

---

**Exempt Status:** *(check one)*

- Ministerial, Sec. 21080(b)(1); 15268;
- Declared Emergency, Sec. 21080(b)(3); 15269(a);
- Emergency Project, Sec. 21080(b)(4); 15269(b)(c);
- Categorical Exemption, Sec. 15302(c);
- Statutory Exemptions. Section 15282(k)

**Reasons why project is exempt:** This project consists of the installation of approximately 1,500 feet of piping  
along The Old Road

---

**Lead Agency**

**Contact Person:** \_\_\_\_\_

Area Code/Telephone/Extension: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

- Signed by Lead Agency
- Signed by Applicant

Date Received for filling at OPR:

[This page intentionally left blank.]






## COMMITTEE MEMORANDUM

**DATE:** August 26, 2020

**TO:** Engineering and Operations Committee

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

**SUBJECT:** Recommend Approval of the Installation of Approximately 130 feet of 18" Diameter Pipeline and SC-2 Modifications Along Honby Avenue

---

### SUMMARY

This item will authorize the expenditure of up to \$215,000 of budgeted funds for the installation of 130 feet of 18 -inch diameter pipeline along Honby Avenue. This project will improve operational capacity of the SC-2 and SC-4 turnouts. It also includes required CEQA findings.

SCV Water has twenty-four (24) treated surface water turnout connections. These turnouts are spread throughout the Santa Clarita Valley, with thirteen (13) of them delivering water to the Santa Clarita distribution system. The SC-2 and SC-4 turnouts are currently connected to the suction side of the Sand Canyon Pump Station (SCPS) and pump water into the Honby Zone. There are current operational constraints with both turnouts pumping water out of the suction side of the SCPS. By relocating the SC-2 connection to the discharge side of the SCPS, it will provide the ability to operate both turnouts at full capacity.

### DISCUSSION

SCV Water's twenty-four treated surface water turnouts provide water throughout the entire service area by pumping water or by means of gravity from the head pressure of the treatment plant clearwells. Whether they pump water or supply water from gravity head pressure is dependent on the turnout location and elevation. SCV Water has several system facilities in the area around Santa Clara Street and Honby Avenue. They include two groundwater wells (Honby and Santa Clara), two turnouts (SC-2 and SC-4) and the Sand Canyon Pump Station (SCPS). The SCPS was constructed to pump treated surface water to the higher elevations in the eastern end of the service area. SC-2 and SC-4 currently receive water from the suction side of the SCPS and pump water into the Honby zone of the Santa Clarita distribution system. During high demands, if both SC-2 and SC-4 are in operation, the amount of water being pumped creates low suction head pressure for the SCPS and one of the turnouts or several pumps at the pump station need to be shut down. Connecting the SC-2 turnout to the discharge side of the SCPS will allow for more operational flexibility and maintains the maximum delivery of water from all three stations.

SCV Water crews will be responsible for completing this project. The Operations department will complete the construction pipeline work and the Production department will finish the on-site station improvements. The on-site station improvements, which include a new meter, pump control valve and various other facility improvements are not included in this project estimate. The total pipeline construction project estimated cost is approximately \$215,000 with internal labor and equipment comprising approximately 35% of the estimated cost.

According to Section 15282(k) of the California Environmental Quality Act, the installation of new pipelines as set forth in Section 21080.21 of the Public Resources Code is considered statutorily exempt as long as the project does not exceed one mile in length. Therefore, a Notice of Exemption for CEQA under Section 15282(k) will be filed for this project.

**FINANCIAL CONSIDERATIONS**

Funds for this project are included in the Santa Clarita Water Division Pay Go FY 2020/21 Capital Pipeline Improvement Budget in the amount of \$305,000.

**RECOMMENDATION**

That the Engineering and Operations Committee recommend that the Board of Directors find the installation of approximately 130 feet of 18” diameter pipeline and SC-2 modifications along Honby Avenue to be exempt from CEQA and authorize the General Manager to direct staff to complete this project in an amount not to exceed \$215,000.

Attachment

M65

# Notice of Exemption California Environmental Quality Act

---

**To:**  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814

**From:** Santa Clarita Valley Water Agency  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350

County Clerk  
County of Los Angeles  
12400 E. Imperial Highway  
Norwalk, CA 90650

**Project Title:** Pipeline connection to Turnout SC-2

**Project Location - Specific:** Approximately 130 feet north of the cul-de-sac at  
the end of Honby Road.

**Project Location - City:** Santa Clarita      **Project Location - County:** Los Angeles

**Description of Nature, Purpose, and Beneficiaries of Project:**

To install approximately 130 feet of 18" pipeline in from a treated water pipeline  
to an existing pumping station. This project will enable the pipeline to supply  
water based on gravity flow instead of pumping the water.

**Name of Public Agency Approving Project:** Santa Clarita Valley Water Agency

**Name of Person or Agency Carrying Out Project:** Satna Clarita Valley Water Agency

**Exempt Status:** *(check one)*

- Ministerial, Sec. 21080(b)(1); 15268;
- Declared Emergency, Sec. 21080(b)(3); 15269(a);
- Emergency Project, Sec. 21080(b)(4); 15269(b)(c);
- Categorical Exemption, Sec. 15302(c);
- Statutory Exemptions. Section 15282(k)

**Reasons why project is exempt:** This project consists of the installation of approximately 130 feet of piping  
within a private road at the end of a cul-de-sac of Hoby Road.

---

**Lead Agency**

**Contact Person:** \_\_\_\_\_

Area Code/Telephone/Extension: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

- Signed by Lead Agency
- Signed by Applicant

Date Received for filling at OPR:

[This page intentionally left blank.]



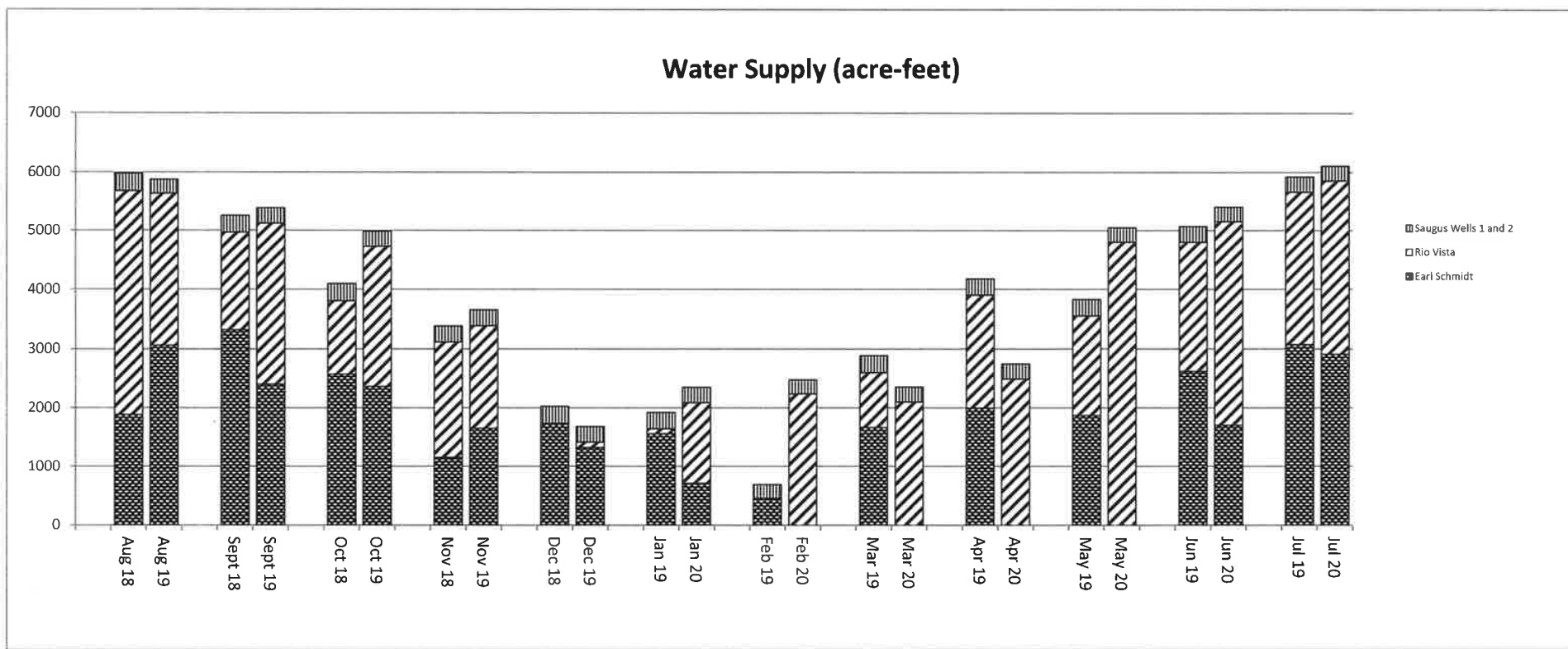
# Monthly Operations & Production Report

July 2020

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

## SANTA CLARITA VALLEY WATER AGENCY

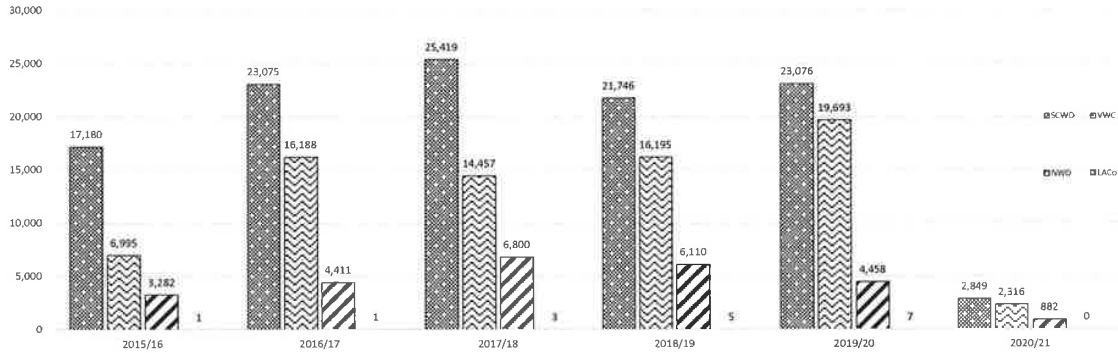
### July 2020 Regional Operations Report



Source	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Total
Earl Schmidt	3071	3057	2404	2360	1655	87	708	0	0	0	0	1706	2906	17953.76
Rio Vista	2588	2577	2719	2360	1736	1328	1374	2235	2096	2490	4801	3445	2950	32699.4
Saugus 1 and 2	267	242	261	263	263	271	265	243	256	253	249	249	251	3333.061
<b>Total</b>	<b>5926</b>	<b>5876</b>	<b>5384</b>	<b>4983</b>	<b>3654</b>	<b>1686</b>	<b>2347</b>	<b>2478</b>	<b>2352</b>	<b>2743</b>	<b>5050</b>	<b>5400</b>	<b>6107</b>	<b>53986.23</b>
<b>Total Sold</b>	<b>5823</b>	<b>5779</b>	<b>5316</b>	<b>4879</b>	<b>3651</b>	<b>1715</b>	<b>2270</b>	<b>2411</b>	<b>2309</b>	<b>2660</b>	<b>5004</b>	<b>5336</b>	<b>6048</b>	<b>53201</b>
RVWTP Use/Storage	35.68	27.64	27.66	40.42	13.19	-46.25	31.54	55.91	2.55	49	39	35	22	333.34
<b>Total Use</b>	<b>5858.68</b>	<b>5806.64</b>	<b>5343.66</b>	<b>4919.42</b>	<b>3664.19</b>	<b>1668.75</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>53534.34</b>
Water Loss	-1.14%	-1.18%	-0.75%	-1.28%	0.28%	-1.02%	-1.94%	-0.45%	-1.72%	-1.24%	-0.14%	-0.54%	-0.61%	-0.90%
<b>Recycled Water</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</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>Total</b>
Valencia	76	70	64	65	25	2	10	22	8	22	64	70	76	574

\* 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	386	412	462	715	1,375	6,995
NCWD	347	373	325	276	233	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	2,458	2,772	23,075
VWC	1,565	1,640	1,305	1,080	907	620	643	784	1,123	1,728	2,499	2,614	16,188
NCWD	478	467	418	372	293	234	141	109	216	384	604	695	4,411
LACo	0	0	0	0	0	0	0	0	0	0	0	0	1
<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>16,889</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	1,855	1,578	1,580	969	1,805	2,076	2,264	25,419
VWC	2,089	1,723	1,184	1,260	966	969	853	676	619	1,160	1,396	1,622	14,457
NCWD	785	856	845	801	640	556	253	275	157	349	473	808	6,800
LACo	0	0	0	0	0	0	0	1	0	0	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	2,694	2,816	2,535	2,174	1,882	1,274	1,110	493	1,177	1,770	1,632	2,189	21,746
VWD	1,921	2,026	1,743	1,300	1,084	459	513	232	1,205	1,819	1,701	2,193	16,195
NWD	1,023	1,012	881	537	382	214	181	76	352	428	422	603	6,110
LACo	1	0	0	1	0	0	1	1	1	0	0	0	5
<b>Total</b>	<b>5,639</b>	<b>5,855</b>	<b>5,160</b>	<b>4,011</b>	<b>3,349</b>	<b>1,947</b>	<b>1,805</b>	<b>802</b>	<b>2,735</b>	<b>4,016</b>	<b>3,754</b>	<b>4,985</b>	<b>44,057</b>
<b>Cum. FYTD</b>	<b>5,639</b>	<b>11,494</b>	<b>16,654</b>	<b>20,665</b>	<b>24,014</b>	<b>25,961</b>	<b>27,766</b>	<b>28,567</b>	<b>31,302</b>	<b>35,318</b>	<b>39,072</b>	<b>44,057</b>	
2019/20	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,610	2,743	2,475	2,310	1,845	980	1,207	1,416	1,212	1,368	2,358	2,552	23,076
VWD	2,491	2,518	2,348	2,145	1,526	604	957	762	919	1,066	2,171	2,186	19,693
NWD	721	518	492	422	280	130	186	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>	
2019/20	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,849	0	0	0	0	0	0	0	0	0	0	0	2,849
VWD	2,316	0	0	0	0	0	0	0	0	0	0	0	2,316
NWD	882	0	0	0	0	0	0	0	0	0	0	0	882
LACo	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6,048</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>6,048</b>
<b>Cum. FYTD</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	<b>6,048</b>	

\*Total does not include recycled water.



**SANTA CLARITA VALLEY WATER AGENCY**  
*Record of Weather Observations*  
 July 2020

DATE	High Temperature	Low Temperature	Precipitation 2020	Precipitation 2019
1-Jul	78	55	0.00	0.00
2-Jul	82	58	0.00	0.00
3-Jul	90	50	0.00	0.00
4-Jul	95	52	0.00	0.00
5-Jul	96	52	0.00	0.00
6-Jul	93	56	0.00	0.00
7-Jul	92	55	0.00	0.00
8-Jul	88	57	0.00	0.00
9-Jul	91	54	0.00	0.00
10-Jul	97	54	0.00	0.00
11-Jul	104	59	0.00	0.00
12-Jul	102	64	0.00	0.00
13-Jul	90	68	0.00	0.00
14-Jul	85	60	0.00	0.00
15-Jul	85	57	0.00	0.00
16-Jul	86	52	0.00	0.00
17-Jul	87	53	0.00	0.00
18-Jul	91	53	0.00	0.00
19-Jul	94	54	0.00	0.00
20-Jul	88	54	0.00	0.00
21-Jul	89	57	0.00	0.00
22-Jul	83	55	0.00	0.00
23-Jul	81	55	0.00	0.00
24-Jul	85	55	0.00	0.00
25-Jul	89	55	0.00	0.00
26-Jul	93	53	0.00	0.00
27-Jul	93	56	0.00	0.00
28-Jul	90	55	0.00	0.00
29-Jul	95	55	0.00	0.00
30-Jul	101	54	0.00	0.00
31-Jul	102	60	0.00	0.00

<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>
--------------	--	-------------	-------------

	2019-2020	2018-2019
<i>Total Precipitation of Current Month</i>	0.00	0.00
<i>Total Precipitation End of Previous Month</i>	18.83	27.65
<b>Total Precipitation Since October 1st</b>	<b>18.83</b>	<b>27.65</b>
<i>Temperature Averages for Current Month</i>		
<b>HIGH</b>	90.8	90.7
<b>LOW</b>	55.7	58.7

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

	<i>1998-99</i>	<i>1999-00</i>	<i>2000-01</i>	<i>2001-02</i>	<i>2002-03</i>	<i>2003-04</i>	<i>2004-05</i>	<i>2005-06</i>	<i>2006-07</i>	<i>2007-08</i>	<i>2008-09</i>
Oct	0.33	0.00	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09
Nov	1.39	0.00	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78
Dec	1.39	0.05	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01
Jan	2.08	1.21	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69
Feb	0.65	9.43	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78
Mar	3.00	3.15	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18
Apr	3.78	2.10	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07
May	0.00	0.00	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01
Jun	0.48	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Jul	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00
Aug	0.00	0.31	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
Sep	0.01	0.00	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00
<b>TOTAL</b>	<b>13.11</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>
	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>
Oct	4.04	1.34	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01
Nov	0.08	1.87	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61
Dec	4.28	11.97	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12
Jan	9.13	0.96	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08	0.54
Feb	4.96	5.36	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12
Mar	0.69	8.86	4.99	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81
Apr	2.40	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45
May	0.07	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60	0.16
Jun	0.00	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01
Jul	0.00	0.01	0.00	0.08	0.02	0.87	0.00	0.01	0.00	0.00	0.00
Aug	0.00	0.00	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00	
Sep	0.00	0.00	0.02	0.00	0.00	0.78	0.00	0.13	0.02	0.03	
<b>TOTAL</b>	<b>25.65</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>18.83</b>

SANTA CLARITA VALLEY WATER AGENCY  
WATER PRODUCTION BY WELL 2020 (ACRE-FEET)

NEWHALL WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
N12	104	108	96	94	178	175	164	0	0	0	0	0	919
N13	120	126	111	109	127	197	183	0	0	0	0	0	973
C1	19	27	17	29	53	58	60	0	0	0	0	0	263
C2	13	14	9	14	27	29	29	0	0	0	0	0	136
C7	35	37	25	38	71	78	79	0	0	0	0	0	362
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>291</b>	<b>312</b>	<b>257</b>	<b>285</b>	<b>456</b>	<b>537</b>	<b>516</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2653</b>

SANTA CLARITA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	36	2	0	0	26	31	46	0	0	0	0	0	141
LOST CANYON NO.2A	70	45	13	18	62	64	87	0	0	0	0	0	359
SAND CANYON	80	50	15	20	66	60	76	0	0	0	0	0	367
MITCHELL 5A	0	0	0	0	0	0	0	0	0	0	0	0	0
MITCHELL 5B	0	0	1	1	0	0	0	0	0	0	0	0	2
SIERRA	7	18	6	11	13	8	0	0	0	0	0	0	63
NORTH OAKS EAST	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH OAKS CENTRAL	1	3	1	0	0	0	0	0	0	0	0	0	5
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0	0	0	0
HONBY	1	15	0	0	0	0	0	0	0	0	0	0	16
GUIDA	24	46	0	23	69	52	69	0	0	0	0	0	283
CLARK	17	29	1	0	0	0	0	0	0	0	0	0	47
SANTA CLARA	1	20	3	0	0	0	0	0	0	0	0	0	24
VALLEY CENTER	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL SCWD</b>	<b>237</b>	<b>228</b>	<b>40</b>	<b>73</b>	<b>236</b>	<b>215</b>	<b>278</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1307</b>

VALENCIA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	20	56	20	23	71	59	36	0	0	0	0	0	285
E15	25	103	33	39	92	90	84	0	0	0	0	0	466
N	53	69	19	0	0	0	0	0	0	0	0	0	141
N7	29	120	9	0	0	0	0	0	0	0	0	0	157
N8	89	108	14	0	0	0	0	0	0	0	0	0	211
Q2	0	0	0	0	0	0	0	0	0	0	0	0	0
T7	3	19	2	0	0	0	0	0	0	0	0	0	23
U6	1	7	5	47	83	0	0	0	0	0	0	0	142
U4	1	4	0	0	0	0	0	0	0	0	0	0	6
S6	0	0	0	0	0	0	0	0	0	0	0	0	0
S7	13	31	0	0	0	0	0	0	0	0	0	0	44
S8	9	14	6	0	0	0	0	0	0	0	0	0	29
W11	40	29	18	36	55	68	91	0	0	0	0	0	336
W9	51	87	57	70	93	102	64	0	0	0	0	0	523
W10	75	63	10	0	0	0	0	0	0	0	0	0	148
159 (GOLF COURSE IRRIGATION)	0	1	0	1	4	7	4	0	0	0	0	0	16
160 (SYSTEM)	1	2	2	2	2	3	2	0	0	0	0	0	14
160 (GOLF COURSE IRRIGATION)	20	29	11	38	73	74	85	0	0	0	0	0	331
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	68	98	95	74	58	115	96	0	0	0	0	0	603
207	78	116	62	109	150	139	192	0	0	0	0	0	846
<b>TOTAL VWD</b>	<b>575</b>	<b>956</b>	<b>362</b>	<b>438</b>	<b>680</b>	<b>656</b>	<b>654</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4322</b>

S1	137	129	131	131	132	129	134	0	0	0	0	0	923
S2	128	114	125	122	117	120	117	0	0	0	0	0	841
<b>TOTAL S1 &amp; S2</b>	<b>265</b>	<b>243</b>	<b>256</b>	<b>253</b>	<b>249</b>	<b>249</b>	<b>251</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1765</b>

<b>TOTAL WELL PRODUCTION</b>	<b>1367</b>	<b>1739</b>	<b>915</b>	<b>1049</b>	<b>1621</b>	<b>1656</b>	<b>1700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10047</b>
------------------------------	-------------	-------------	------------	-------------	-------------	-------------	-------------	----------	----------	----------	----------	----------	--------------

WELL 201 (NON-SYSTEM)	107	61	108	103	102	102	111	0	0	0	0	0	694
VALLEY CENTER (NON-SYSTEM)	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Q2 (NON SYSTEM)	0.12	0.03	0.05	0.05	0.13	0.30	0	0	0	0	0	0	0.68
205 (NON-SYSTEM)	0	0	0	0	0	0	0	0	0	0	0	0	0.00
N (NON-SYSTEM)	0	0	0.06	0	0	0	0	0	0	0	0	0	0.06
S8 (NON-SYSTEM)	0	0	0	0.19	0.23	0	0.68	0	0	0	0	0	1.10
W10 (NON-SYSTEM)	0	0	0	0.25	0.11	0.16	0.17	0	0	0	0	0	0.69
HONBY (NON-SYSTEM)						0.23	0	0	0	0	0	0	0.23
MITCHELL 5B (NON-SYSTEM)							0.54	0	0	0	0	0	0.54

NEWHALL WATER DIVISION  
WATER PRODUCTION 2020 (ACRE-FEET)

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>NEWHALL SYSTEM</b>													
N12	104	108	96	94	178	175	164						919
N13	120	126	111	109	127	197	183						973
<b>CASTAIC SYSTEM</b>													
C1	19	27	17	29	53	58	60						263
C2	13	14	9	14	27	29	29						136
C7	35	37	25	38	71	78	79						362
<b>PINETREE SYSTEM</b>													
P1	0	0	0	0	0	0	0						0
P3	0	0	0	0	0	0	0						0
P4	0	0	0	0	0	0	0						0
P5	0	0	0	0	0	0	0						0
S1 & S2	71	65	68	68	67	67	67						473
<b>TOTAL GROUNDWATER</b>	<b>362</b>	<b>377</b>	<b>326</b>	<b>352</b>	<b>523</b>	<b>603</b>	<b>583</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3126</b>
<b>IMPORT + S1 &amp; S2</b>													
<b>NEWHALL SYSTEM</b>													
N-3	8	30	10	41	110	78	165						442
<b>CASTAIC SYSTEM</b>													
N-1	25	27	36	20	45	36	42						231
<b>PINETREE SYSTEM</b>													
N-2	102	119	88	108	199	216	239						1072
<b>TESORO SYSTEM</b>													
N-4	53	56	43	57	120	268	436						1033
<b>TOTAL IMPORT + S1 &amp; S2</b>	<b>188</b>	<b>232</b>	<b>177</b>	<b>226</b>	<b>475</b>	<b>597</b>	<b>882</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2778</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>362</b>	<b>377</b>	<b>326</b>	<b>352</b>	<b>523</b>	<b>603</b>	<b>583</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3126</b>
<b>TOTAL IMPORT (NO S1 &amp; S2)</b>	<b>117</b>	<b>167</b>	<b>109</b>	<b>158</b>	<b>408</b>	<b>531</b>	<b>815</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2305</b>
<b>TOTAL PRODUCTION (GW + IMPORT)</b>	<b>479</b>	<b>544</b>	<b>434</b>	<b>510</b>	<b>931</b>	<b>1134</b>	<b>1398</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5431</b>
<b>% BY SOURCE</b>													
GROUNDWATER	76%	69%	75%	69%	56%	53%	42%						58%
IMPORT	24%	31%	25%	31%	44%	47%	58%						42%

**SANTA CLARITA WATER DIVISION  
WATER PRODUCTION 2020 (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	36	2	0	0	26	31	46						141
LOST CANYON NO.2A	70	45	13	18	62	64	87						359
SAND CANYON	80	50	15	20	66	60	76						367
MITCHELL 5A	0	0	0	0	0	0	0						0
MITCHELL 5B	0	0	1	1	0	0	0						2
SIERRA	7	18	6	11	13	8	0						63
NORTH OAKS EAST	0	0	0	0	0	0	0						0
NORTH OAKS CENTRAL	1	3	1	0	0	0	0						5
NORTH OAKS WEST	0	0	0	0	0	0	0						0
HONBY	1	15	0	0	0	0	0						16
GUIDA	24	46	0	23	69	52	69						283
CLARK	17	29	1	0	0	0	0						47
SANTA CLARA	1	20	3	0	0	0	0						24
VALLEY CENTER	0	0	0	0	0	0	0						0
<b>TOTAL ALLUVIUM</b>	<b>237</b>	<b>228</b>	<b>40</b>	<b>73</b>	<b>236</b>	<b>215</b>	<b>278</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1307</b>
SAUGUS WELLS S1 & S2	194	178	187	185	182	182	184						1292
<b>TOTAL GROUNDWATER</b>	<b>431</b>	<b>406</b>	<b>227</b>	<b>258</b>	<b>418</b>	<b>397</b>	<b>462</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2599</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	129	99	161	164	184	191	233						1162
SC-2 HONBY	174	260	211	225	360	324	2						1555
SC-3 WILEY	97	103	93	112	148	153	170						877
SC-4 HONBY #2	211	94	161	224	373	432	631						2126
SC-5 RIO VISTA	138	176	111	116	238	226	298						1304
SC-6 LOST CANYON	76	104	64	90	170	173	199						875
SC-7	104	128	46	42	105	199	410						1033
SC-8	130	184	157	164	309	334	380						1657
SC-9	93	89	32	47	90	103	197						650
SC-10	25	55	23	20	52	71	74						321
SC-11	1	2	1	1	1	0	1						5
SC-12	10	87	150	155	169	181	146						898
SC-13	20	36	3	8	157	166	109						498
<b>TOTAL IMPORT + S1 &amp; S2</b>	<b>1207</b>	<b>1,416</b>	<b>1,212</b>	<b>1,368</b>	<b>2,358</b>	<b>2,552</b>	<b>2,849</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,962</b>
METERING ADJUSTMENT	-6.7	0.01	0	0	0	0	0						-7
<b>NET IMPORT + S1 &amp; S2</b>	<b>1,201</b>	<b>1,416</b>	<b>1,212</b>	<b>1,368</b>	<b>2,358</b>	<b>2,552</b>	<b>2,849</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,955</b>
<b>TOTAL GROUNDWATER (INCLUDES S1 &amp; S2)</b>	<b>431</b>	<b>406</b>	<b>227</b>	<b>258</b>	<b>418</b>	<b>397</b>	<b>462</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2599</b>
<b>TOTAL IMPORT (NO S1 &amp; S2)</b>	<b>1,014</b>	<b>1,238</b>	<b>1,025</b>	<b>1,183</b>	<b>2,176</b>	<b>2,370</b>	<b>2,665</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,670</b>
<b>TOTAL PRODUCTION (GW + IMPORT)</b>	<b>1,444</b>	<b>1,644</b>	<b>1,252</b>	<b>1,441</b>	<b>2,594</b>	<b>2,767</b>	<b>3,127</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,269</b>
<b>% BY SOURCE</b>													
GROUNDWATER	30%	25%	18%	18%	16%	14%	15%						18%
IMPORT	70%	75%	82%	82%	84%	86%	85%						82%
<b>VALLEY CENTER (NON-SYSTEM) *</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
<b>HONBY (NON-SYSTEM) *</b>							0.23						0.23
<b>MITCHELL 5B (NON-SYSTEM) *</b>							0.54						

\* Not used in the calculation for % by Source

VALENCIA WATER DIVISION  
WATER PRODUCTION 2020 (ACRE-FEET)

ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	20	56	20	23	71	59	36						285
E15	25	103	33	39	92	90	84						466
N	53	69	19	0	0	0	0						141
N7	29	120	9	0	0	0	0						157
N8	89	108	14	0	0	0	0						211
Q2	0	0	0	0	0	0	0						0
T7	3	19	2	0	0	0	0						23
U6	1	7	5	47	83	0	0						142
U4	1	4	0	0	0	0	0						6
S6	0	0	0	0	0	0	0						0
S7	13	31	0	0	0	0	0						44
S8	9	14	6	0	0	0	0						29
W11	40	29	18	36	55	68	91						336
W9	51	87	57	70	93	102	64						523
W10	75	63	10	0	0	0	0						148
<b>TOTAL ALLUVIUM</b>	<b>408</b>	<b>711</b>	<b>192</b>	<b>214</b>	<b>393</b>	<b>318</b>	<b>275</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2511</b>
<b>SAUGUS</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>
159	0	1	0	1	4	7	4						16
160 - DOM	1	2	2	2	2	3	2						14
160 - VGC*	20	29	11	38	73	74	85						331
201	0	0	0	0	0	0	0						0
205	0	0	0	0	0	0	0						0
206	68	98	95	74	58	115	96						603
207	78	116	62	109	150	139	192						846
<b>TOTAL SAUGUS</b>	<b>167</b>	<b>246</b>	<b>170</b>	<b>224</b>	<b>287</b>	<b>338</b>	<b>379</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1811</b>
<b>IMPORT WATER</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>
V-1	143	65	126	146	197	213	254						1144
V-2	139	284	138	211	514	419	320						2026
V-4	105	1	68	90	402	327	229						1223
V-5	246	161	179	188	276	323	425						1798
V-6	85	198	134	133	185	136	68						939
V-7	23	3	15	12	78	105	240						475
V-8	217	50	259	285	520	664	780						2773
<b>TOTAL IMPORT</b>	<b>957</b>	<b>762</b>	<b>919</b>	<b>1,066</b>	<b>2,171</b>	<b>2,186</b>	<b>2,316</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,378</b>
<b>TOTAL GROUNDWATER</b>	<b>575</b>	<b>956</b>	<b>362</b>	<b>438</b>	<b>680</b>	<b>656</b>	<b>654</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,322</b>
<b>TOTAL IMPORT</b>	<b>957</b>	<b>762</b>	<b>919</b>	<b>1,066</b>	<b>2,171</b>	<b>2,186</b>	<b>2,316</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,378</b>
<b>TOTAL PRODUCTION</b>	<b>1,531</b>	<b>1,718</b>	<b>1,282</b>	<b>1,505</b>	<b>2,851</b>	<b>2,842</b>	<b>2,970</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,699</b>
<b>% BY SOURCE</b>													
GROUNDWATER	37%	55%	28%	27%	22%	21%	20%						28%
IMPORT WATER	63%	45%	72%	73%	78%	79%	80%						72%
<b>RECYCLED WATER</b>	<b>10</b>	<b>22</b>	<b>8</b>	<b>22</b>	<b>64</b>	<b>70</b>	<b>76</b>						<b>273</b>
Well 201 Discharge *	107	61	108	103	102	102	111						694
Well Q2 Non-System *	0.12	0.03	0.05	0.05	0.13	0.30	0						0.68
Well 205 Non-System *	0	0	0	0	0	0	0						0.00
Well N Non-System *	0	0	0.06	0	0	0	0						0.06
Well S8 Non-System *	0	0	0	0.19	0.23	0	0.68						1.10
Well W10 Non-System *	0	0	0	0.25	0.11	0.16	0.17						0.69

\*Not used in the calculation for % by source

**LOS ANGELES COUNTY WATERWORKS DISTRICT 36**

**SOURCE**

<b>TURNOUT</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>TOTAL</b>
LA 1	0	0.0031	0	0	0	0.00	0						0.00
LA 2	0.7764	0.4818	0.3621	0.4082	0.2793	0.42	0.424						3.15
<b>TOTAL</b>	<b>0.7764</b>	<b>0.4849</b>	<b>0.3621</b>	<b>0.4082</b>	<b>0.2793</b>	<b>0.4174</b>	<b>0.424</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>3.15</b>

**RAW WATER**

<b>SOURCE</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>TOTAL</b>
RVTP	1,374	2,235	2,096	2,490	4801	3445	2,950						19,390.70
ESTP	708	0	0	0	0	1706	2,906						5,320.30
Wells	265	243	256	253	249	249	251						1,764.85
<b>TOTAL</b>	<b>2,347</b>	<b>2,478</b>	<b>2,351</b>	<b>2,742</b>	<b>5,049</b>	<b>5,400</b>	<b>6,107</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26,475.86</b>

**S1/S2 TREATMENT**

<b>SOURCE</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>TOTAL</b>
S1	137.13	129.09	130.51	130.97	132.2	129.15	134.3						923.38
S2	127.54	114.13	125.05	121.57	116.52	119.61	117.1						841.47
<b>TOTAL</b>	<b>264.67</b>	<b>243.22</b>	<b>255.56</b>	<b>252.54</b>	<b>248.72</b>	<b>248.76</b>	<b>251.4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1764.85</b>

[This page intentionally left blank.]



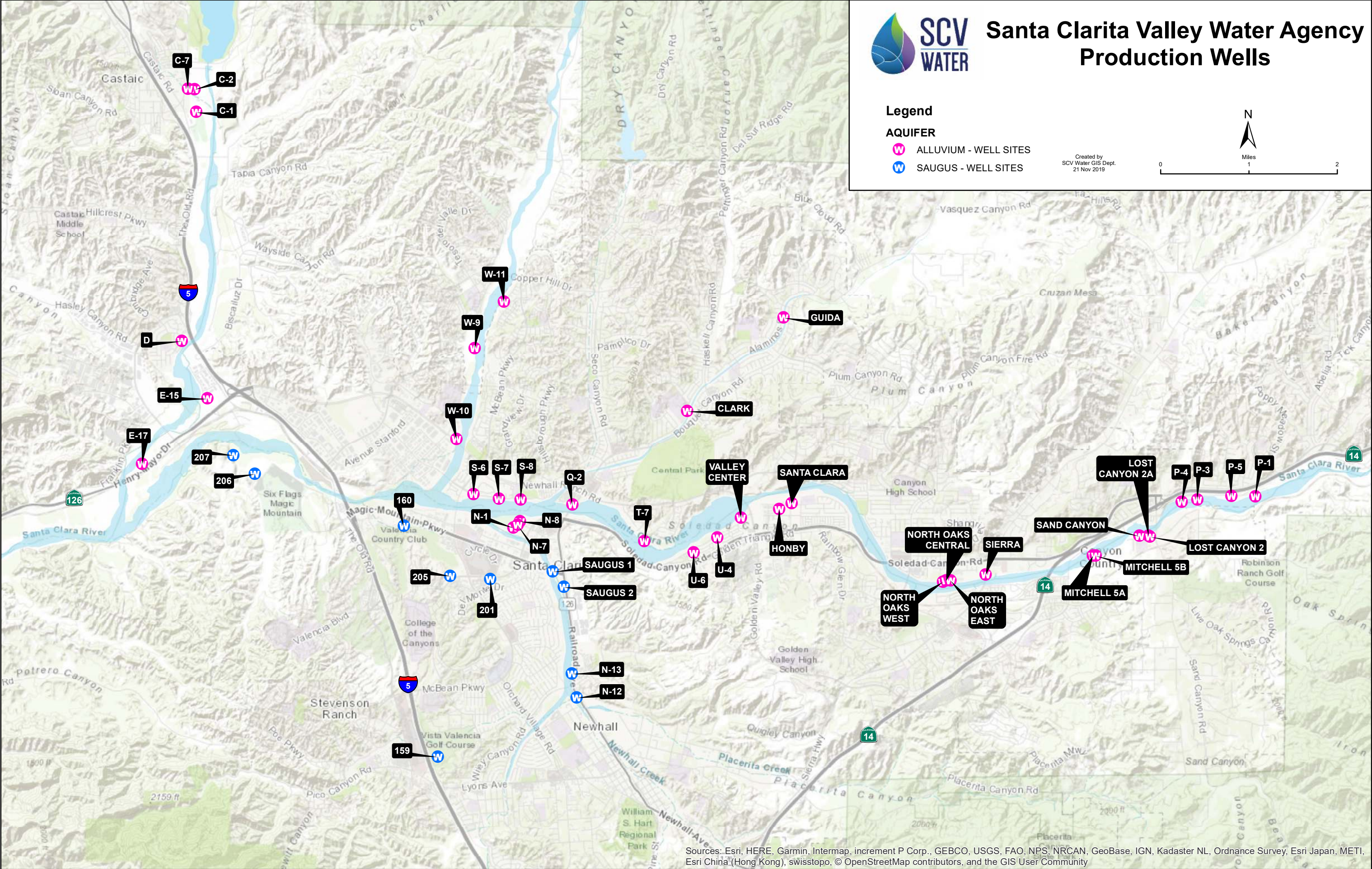
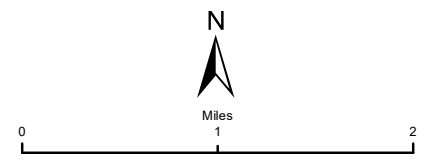


# Santa Clarita Valley Water Agency Production Wells

### Legend

- AQUIFER**
- ALLUVIUM - WELL SITES
  - SAUGUS - WELL SITES

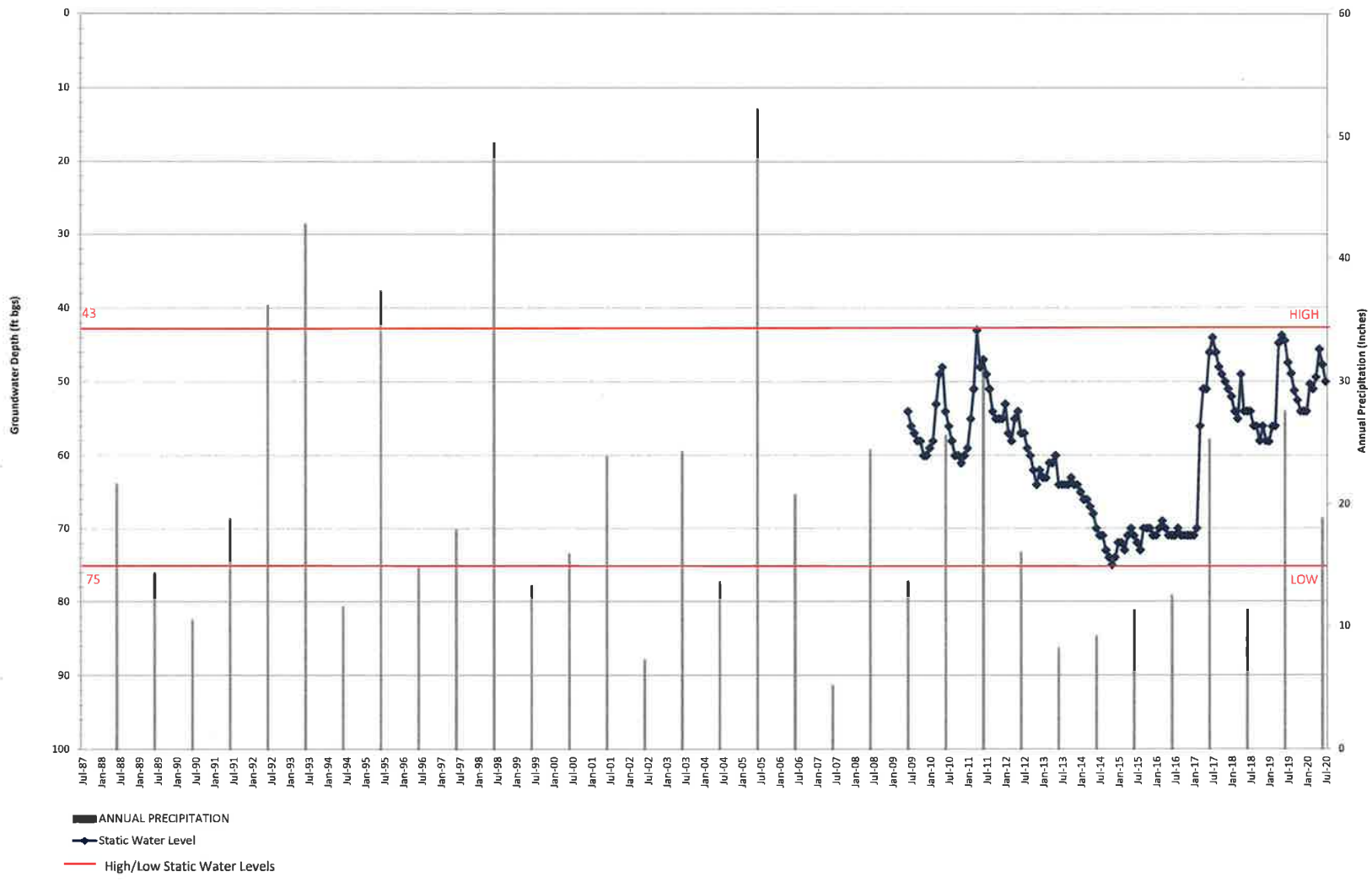
Created by  
SCV Water GIS Dept.  
21 Nov 2019



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

[This page intentionally left blank.]

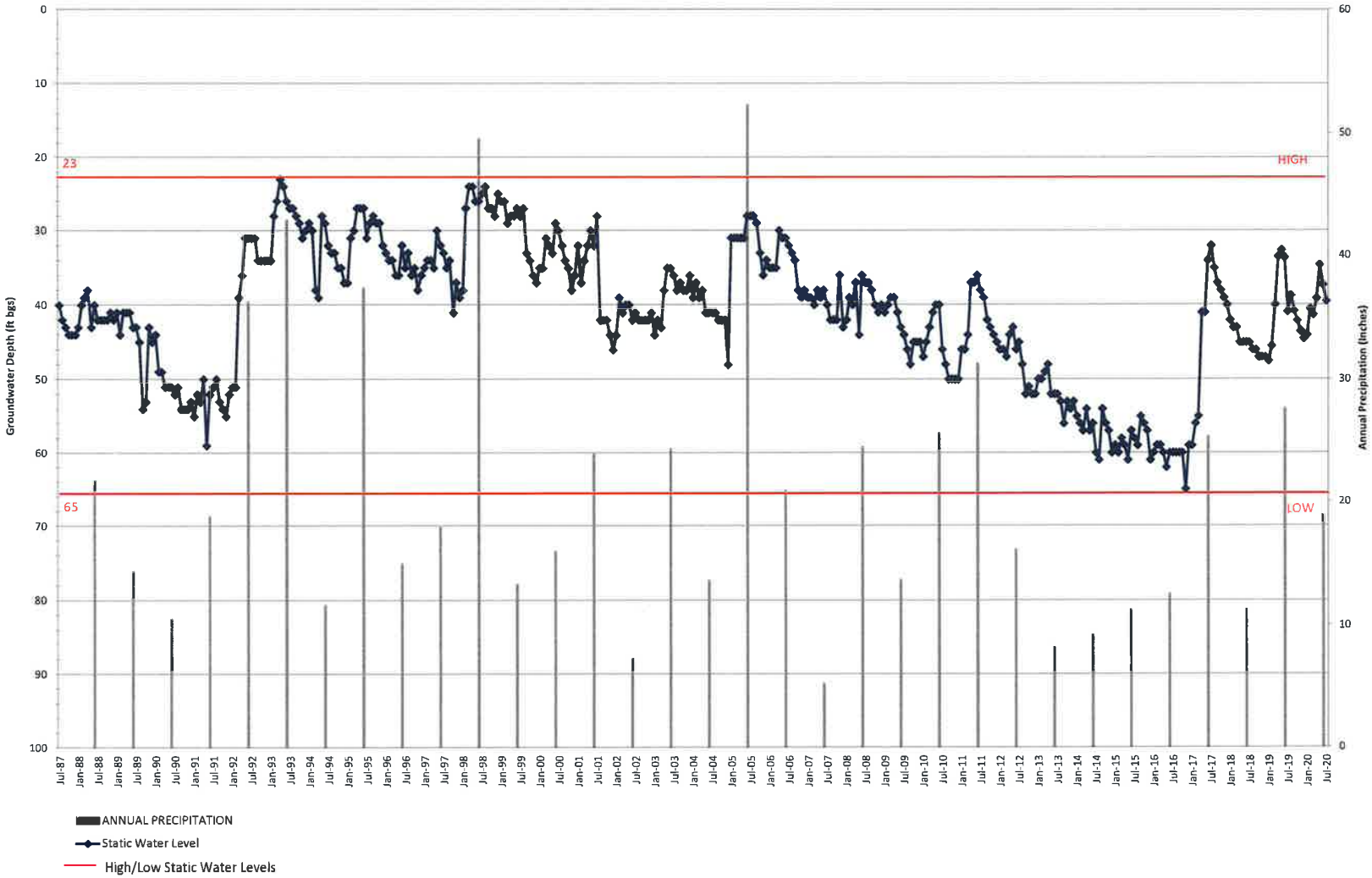
**SCV WATER WELL C7**  
**STATIC WATER LEVEL VS PRECIPITATION**



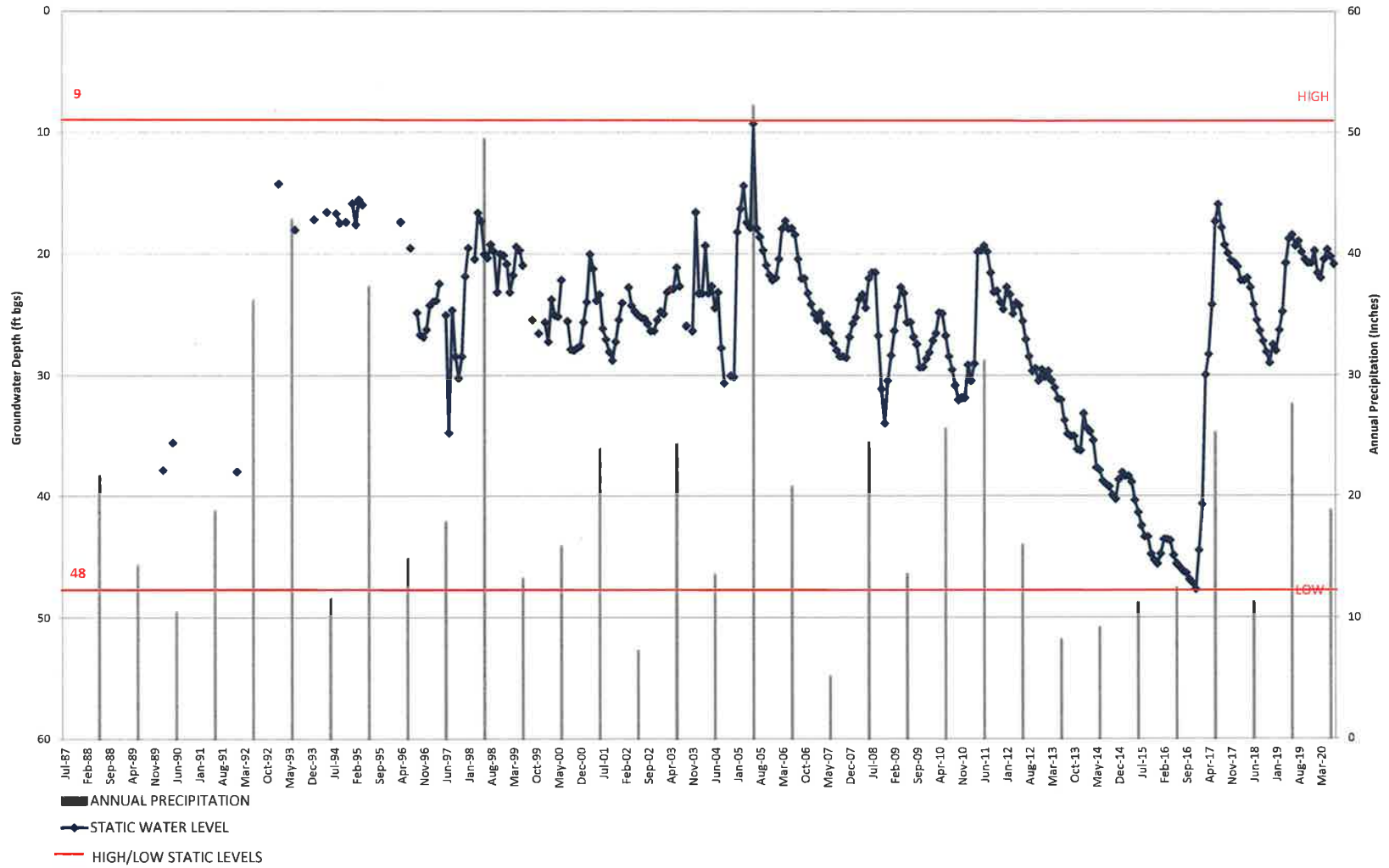
**SCV WATER WELL C2**  
 STATIC WATER LEVEL VS PRECIPITATION



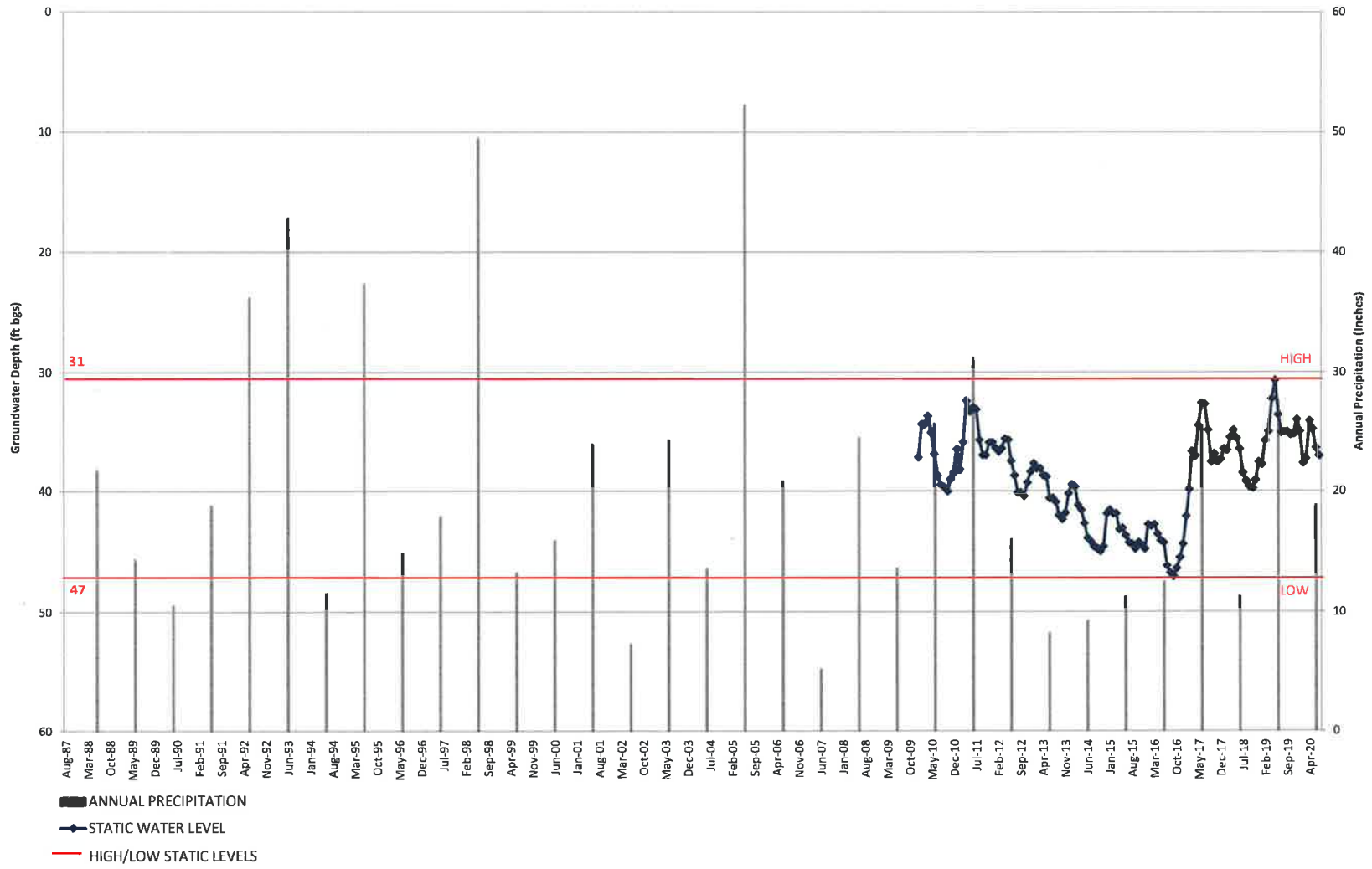
**SCV WATER WELL C1**  
**STATIC WATER LEVEL VS PRECIPITATION**



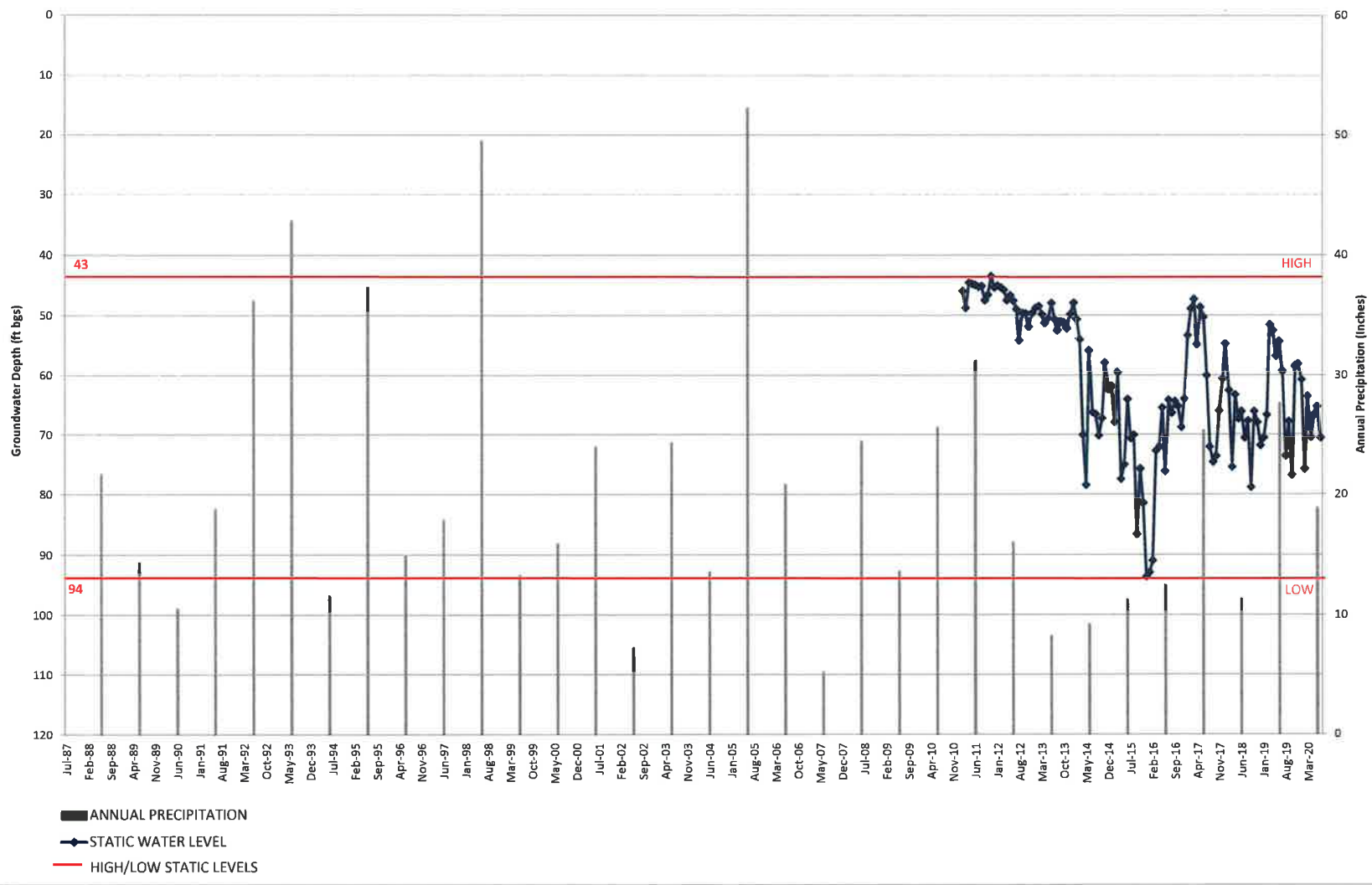
**SCV WATER WELL D**  
 STATIC WATER LEVEL VS PRECIPITATION



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

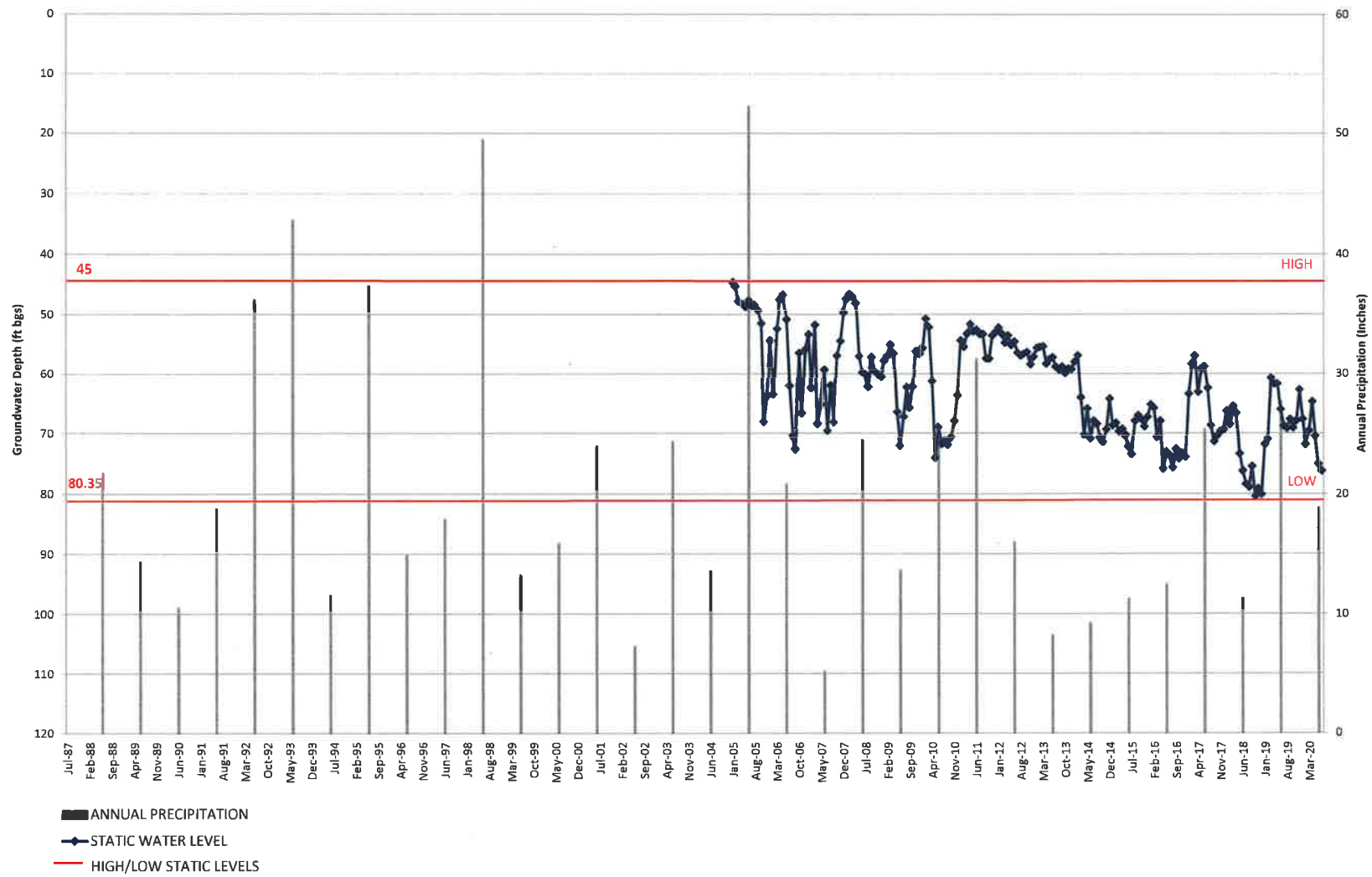


**SCV WATER WELL 207**  
**STATIC WATER LEVEL VS PRECIPITATION**

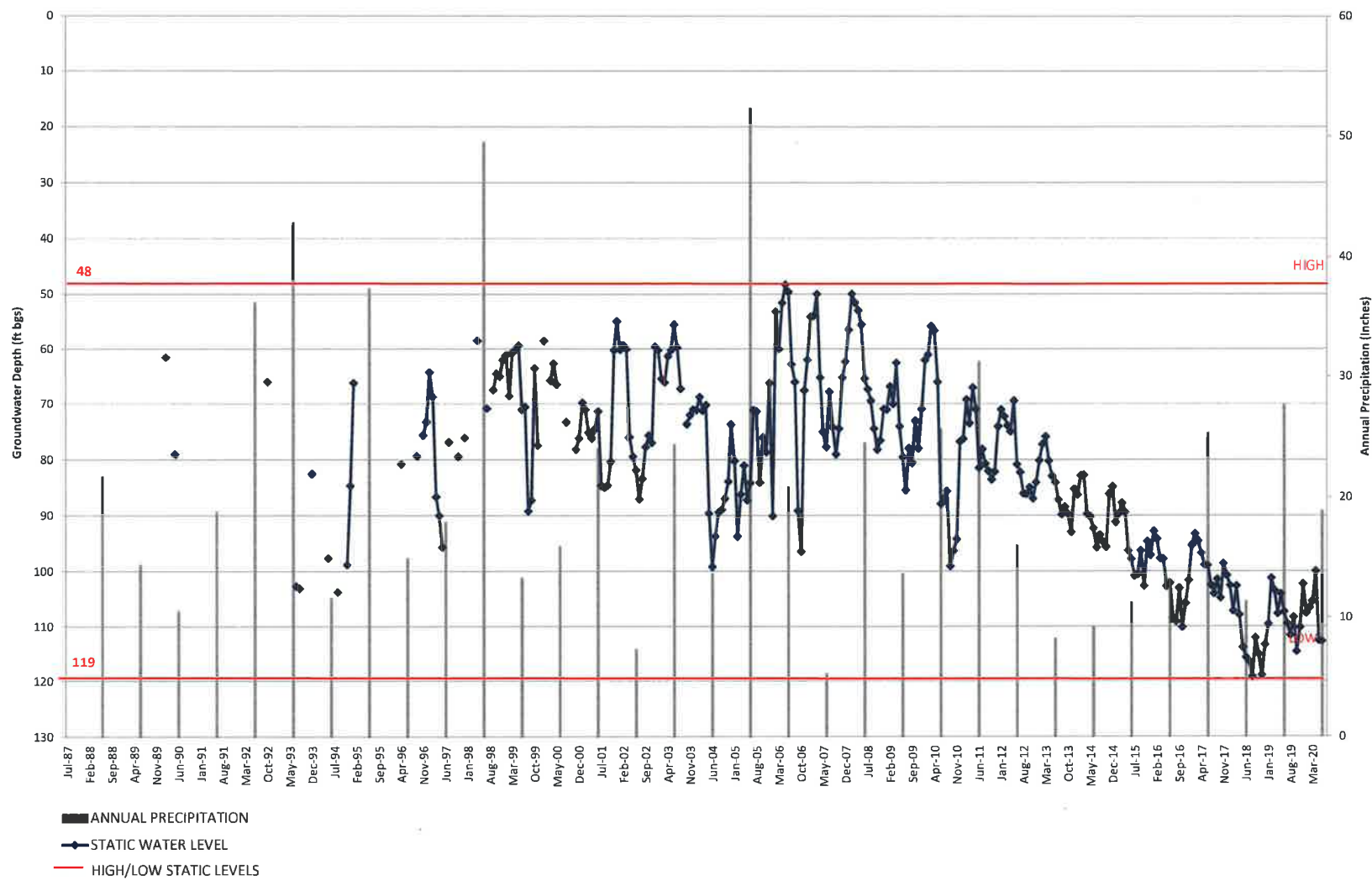




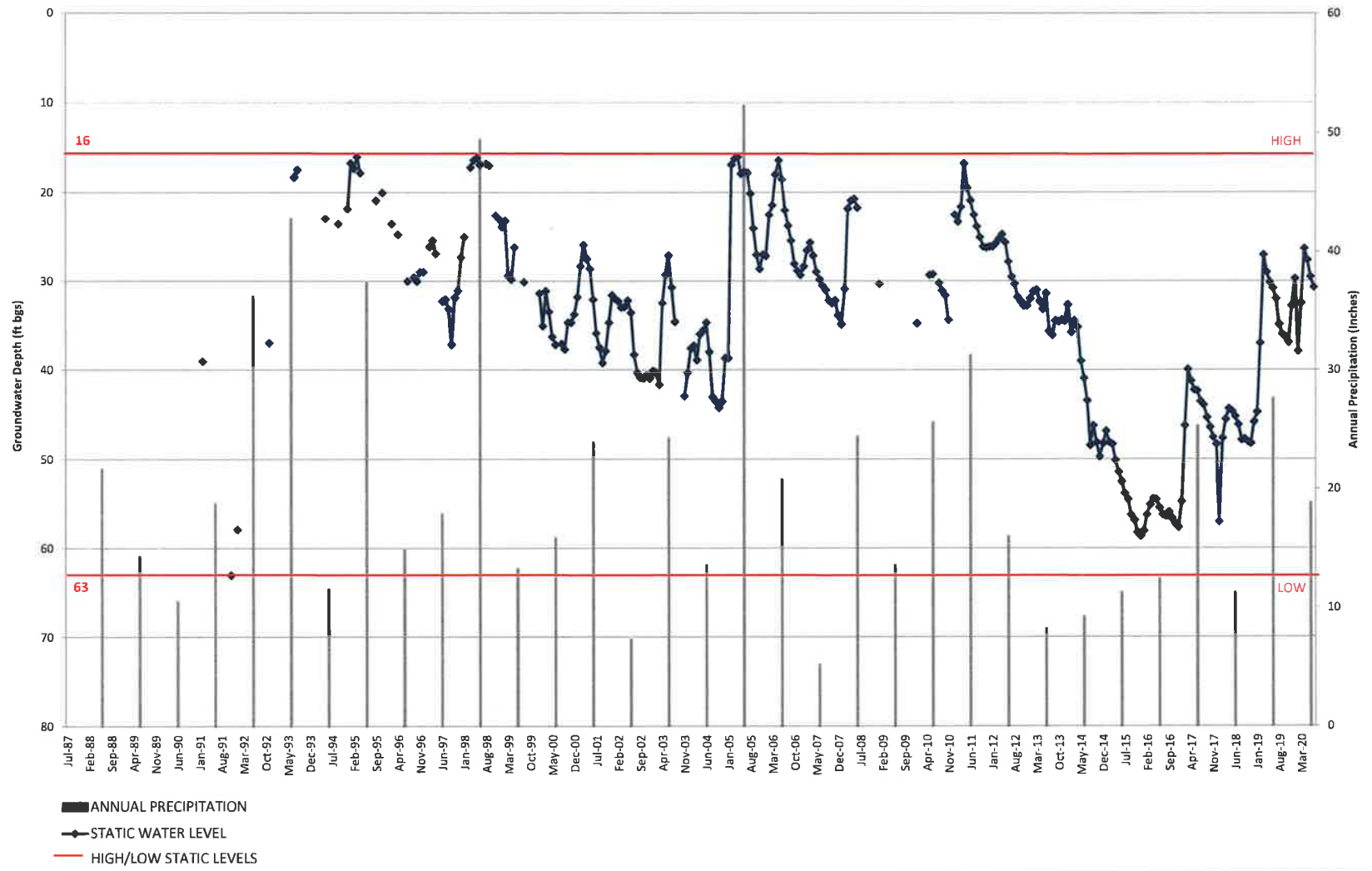
**SCV WATER WELL 206**  
**STATIC WATER LEVEL VS PRECIPITATION**



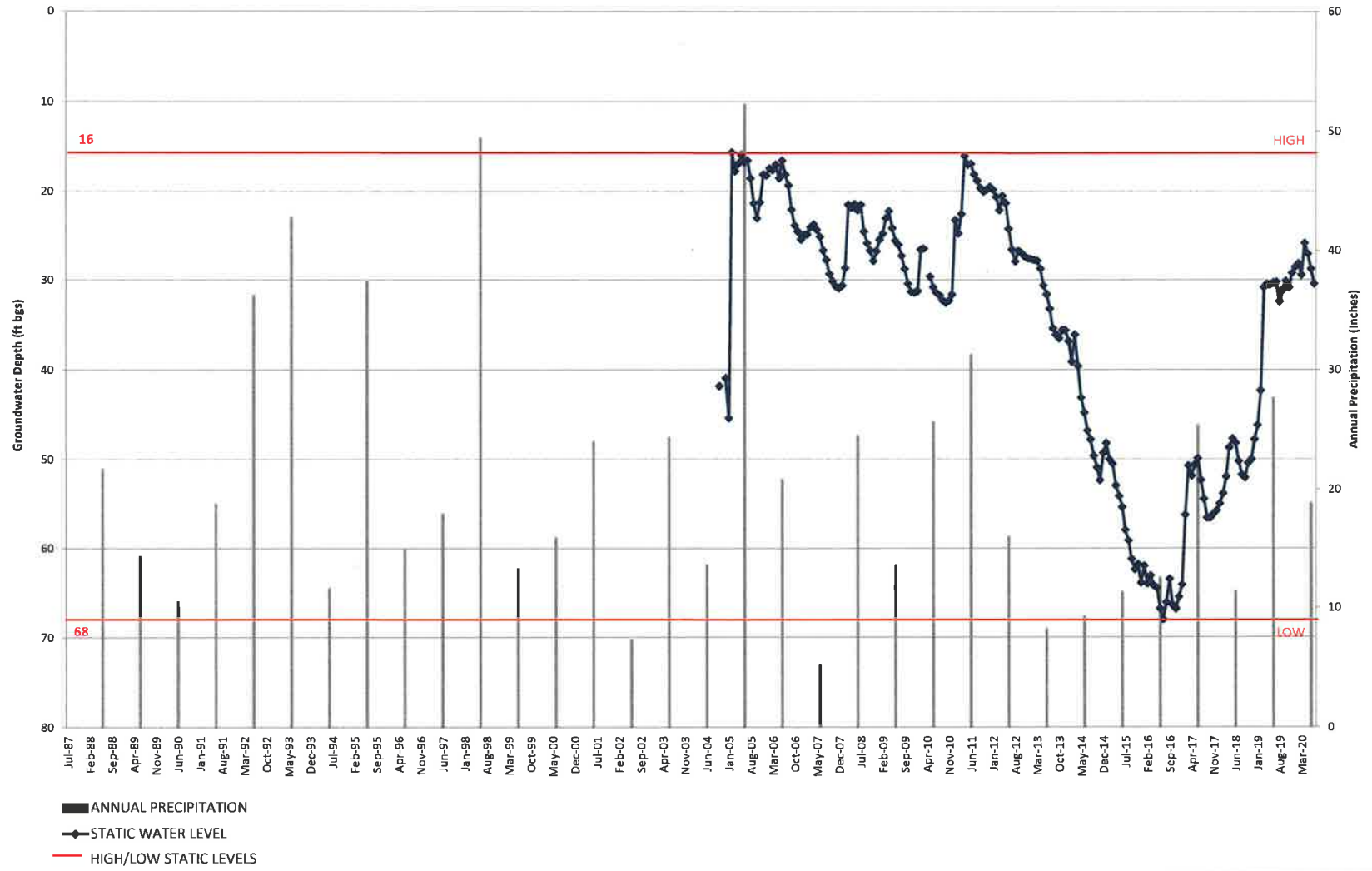
**SCV WATER WELL 160**  
**STATIC WATER LEVEL VS PRECIPITATION**



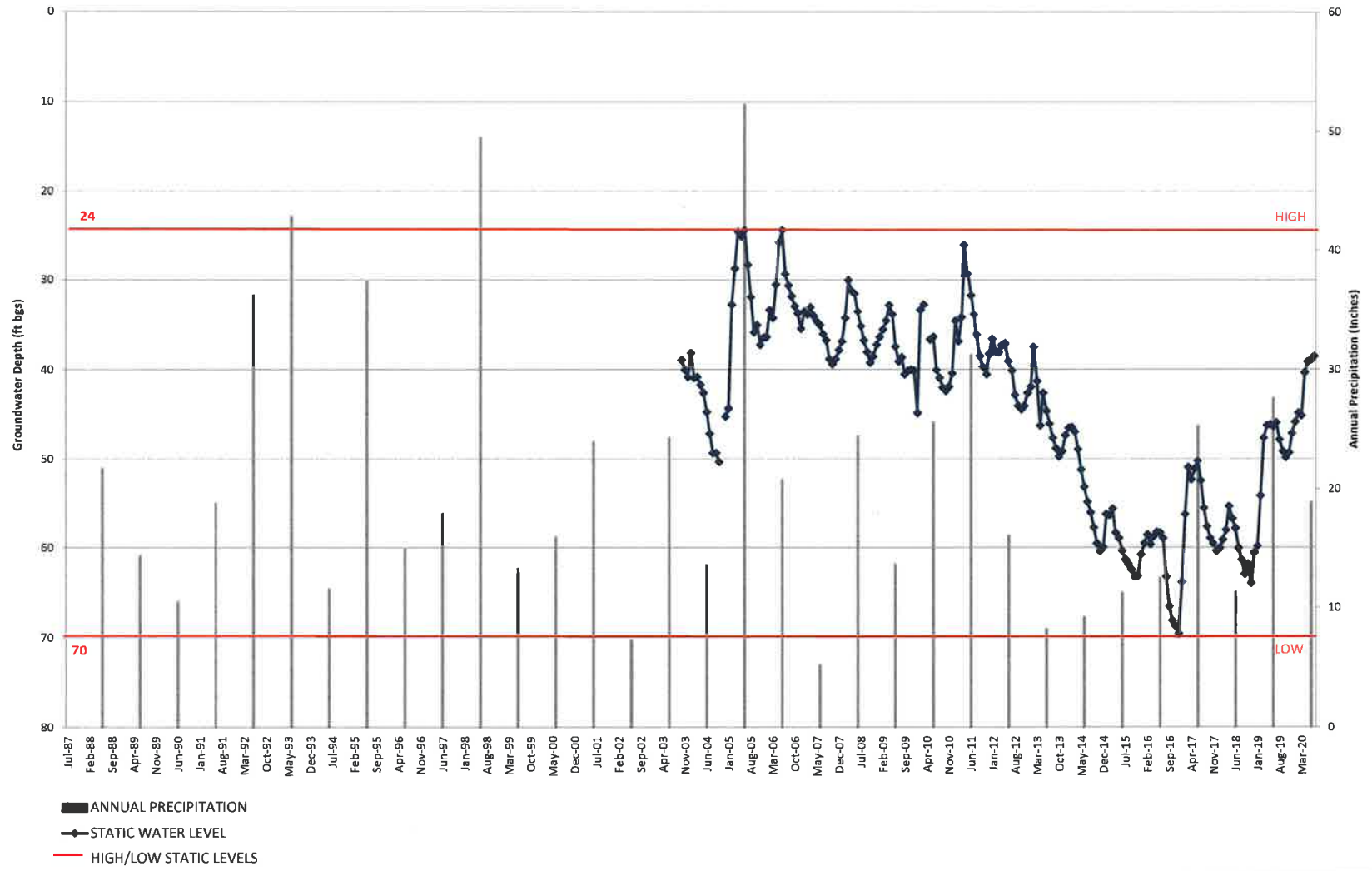
**SCV WATER WELL W9**  
**STATIC WATER LEVEL VS PRECIPITATION**



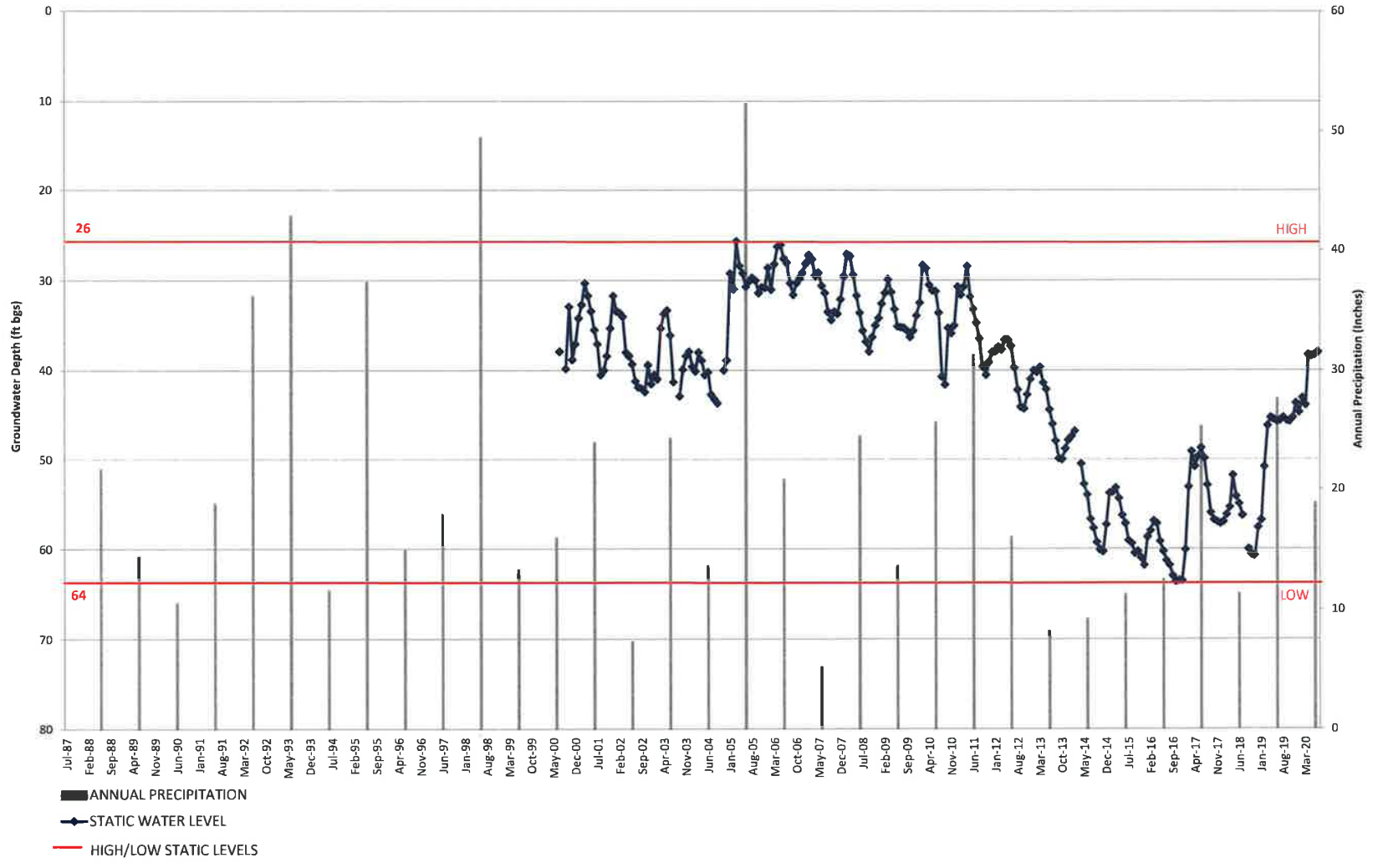
**SCV WATER WELL W11**  
**STATIC WATER LEVEL PRECIPITATION**



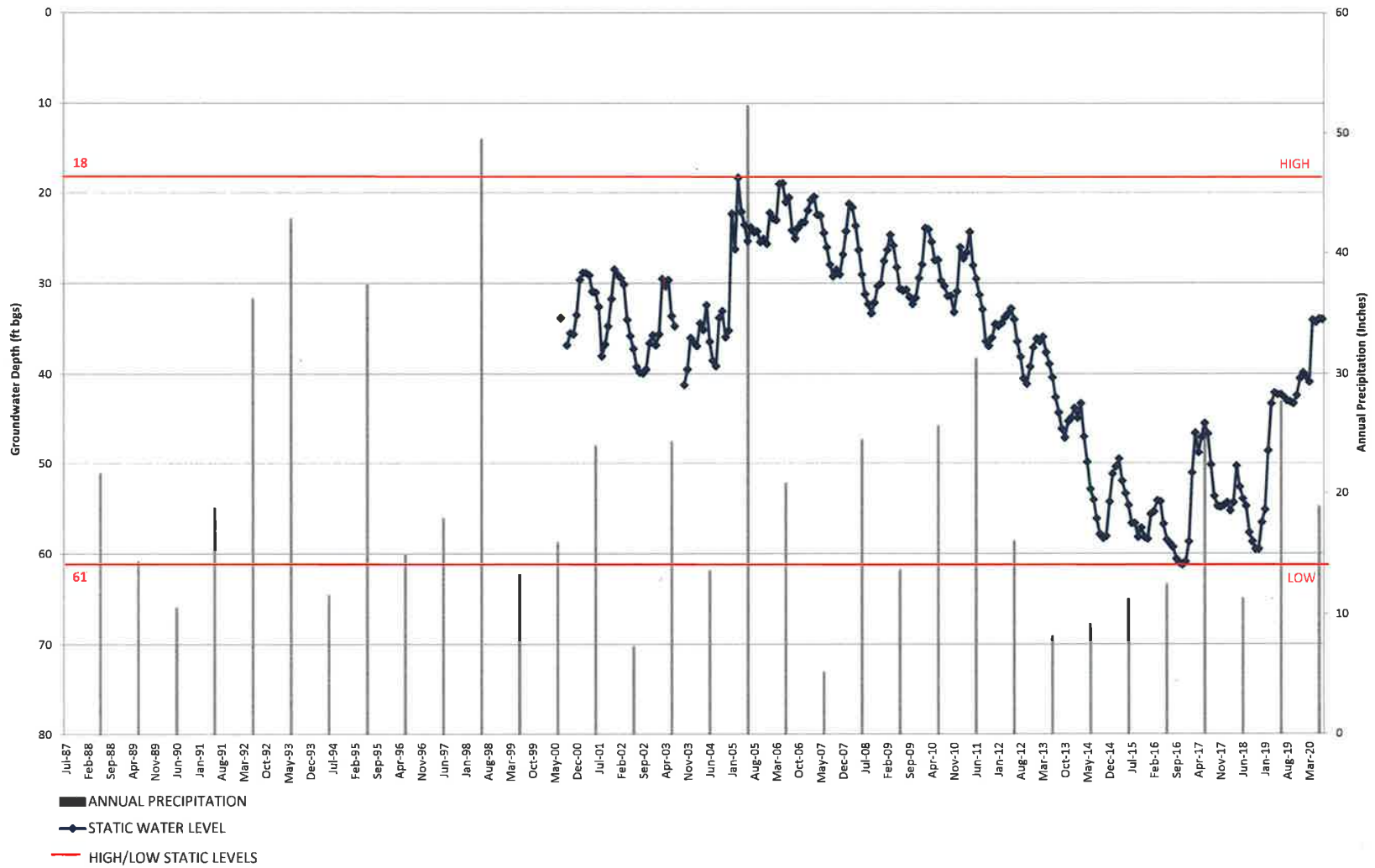
**SCV WATER WELL W10**  
**STATIC WATER LEVEL VS PRECIPITATION**



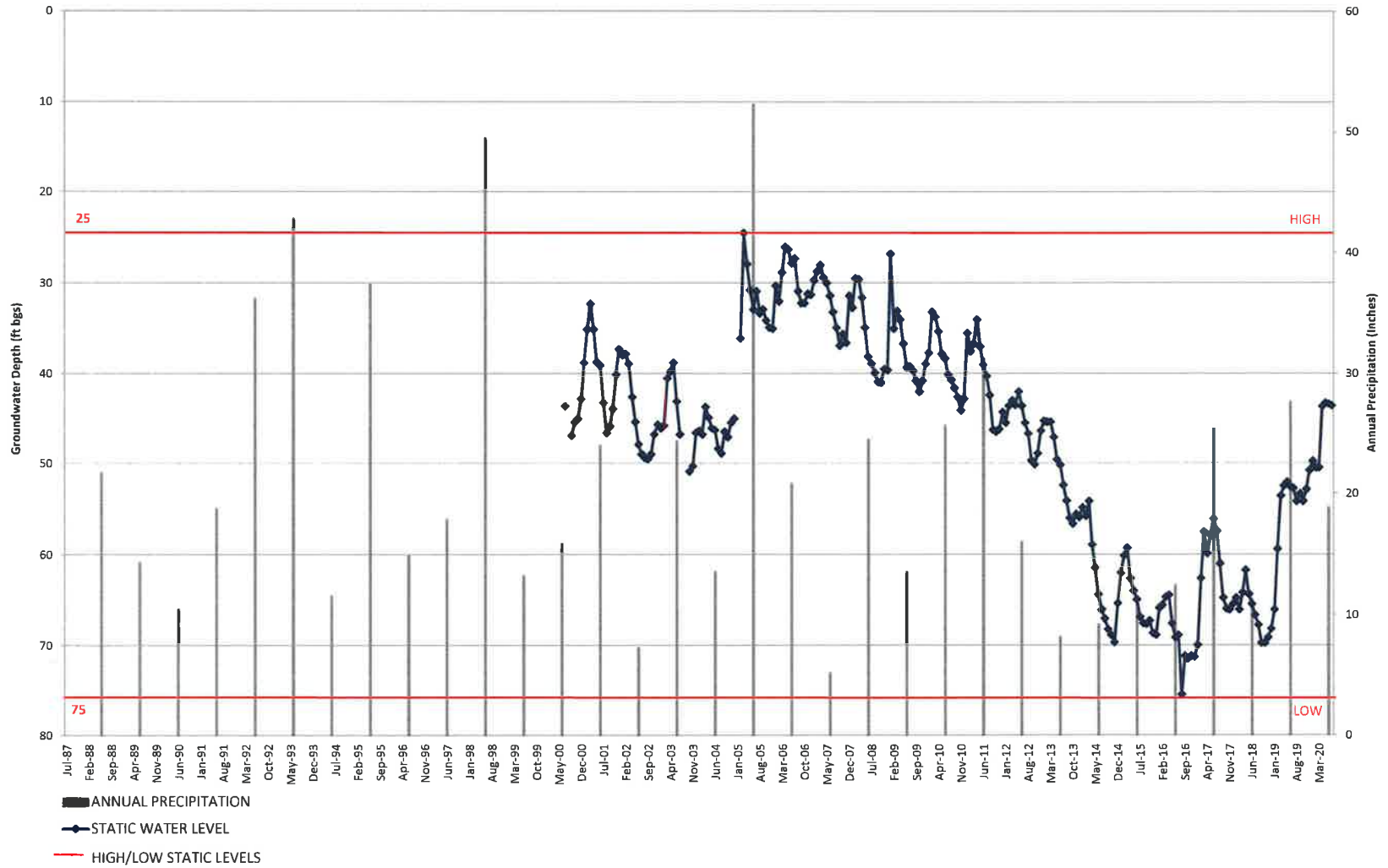
**SCV WATER WELL S6**  
**STATIC WATER LEVEL VS PRECIPITATION**



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

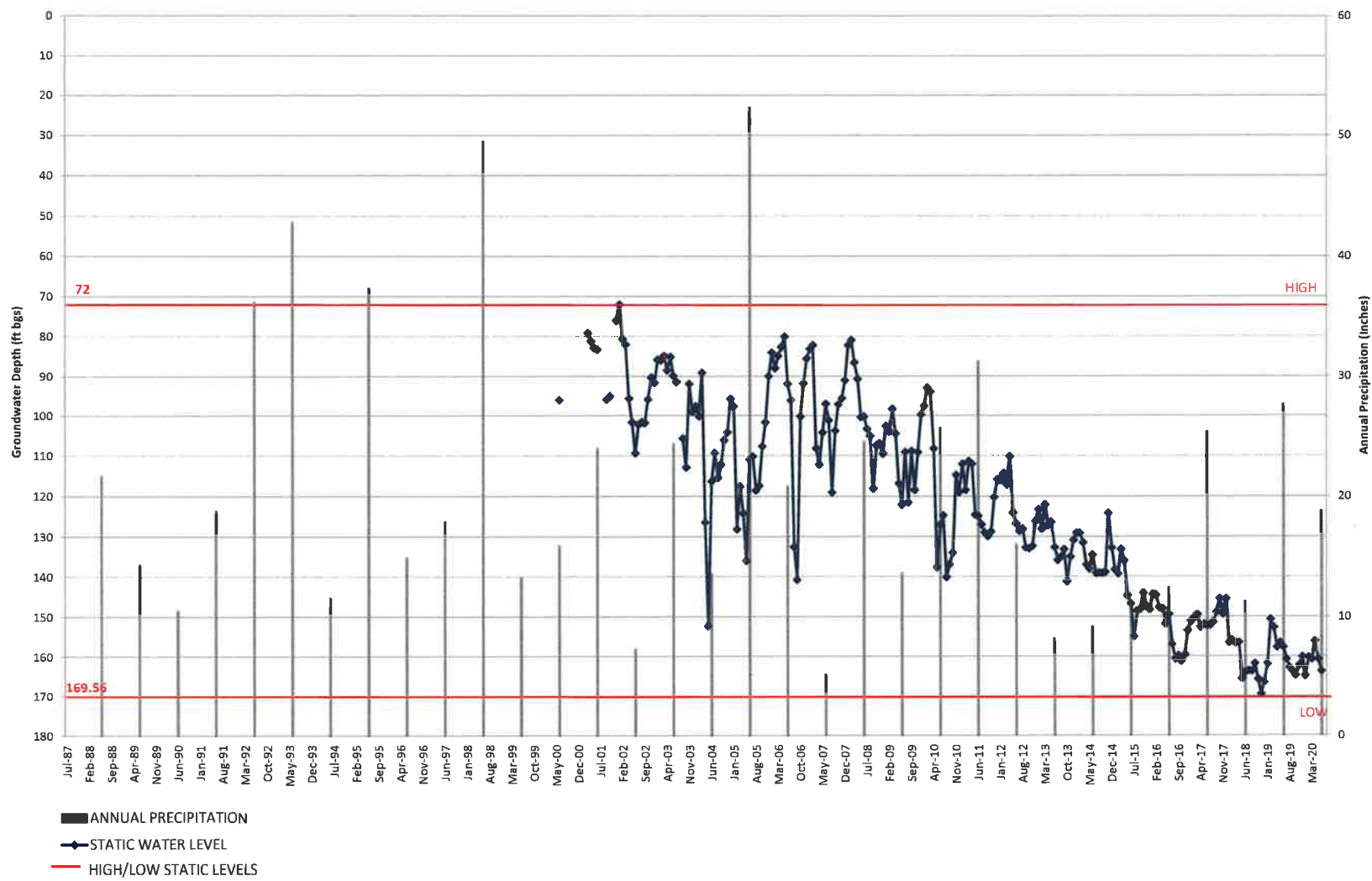


**SCV WATER WELL S8**  
**STATIC WATER LEVEL VS PRECIPITATION**

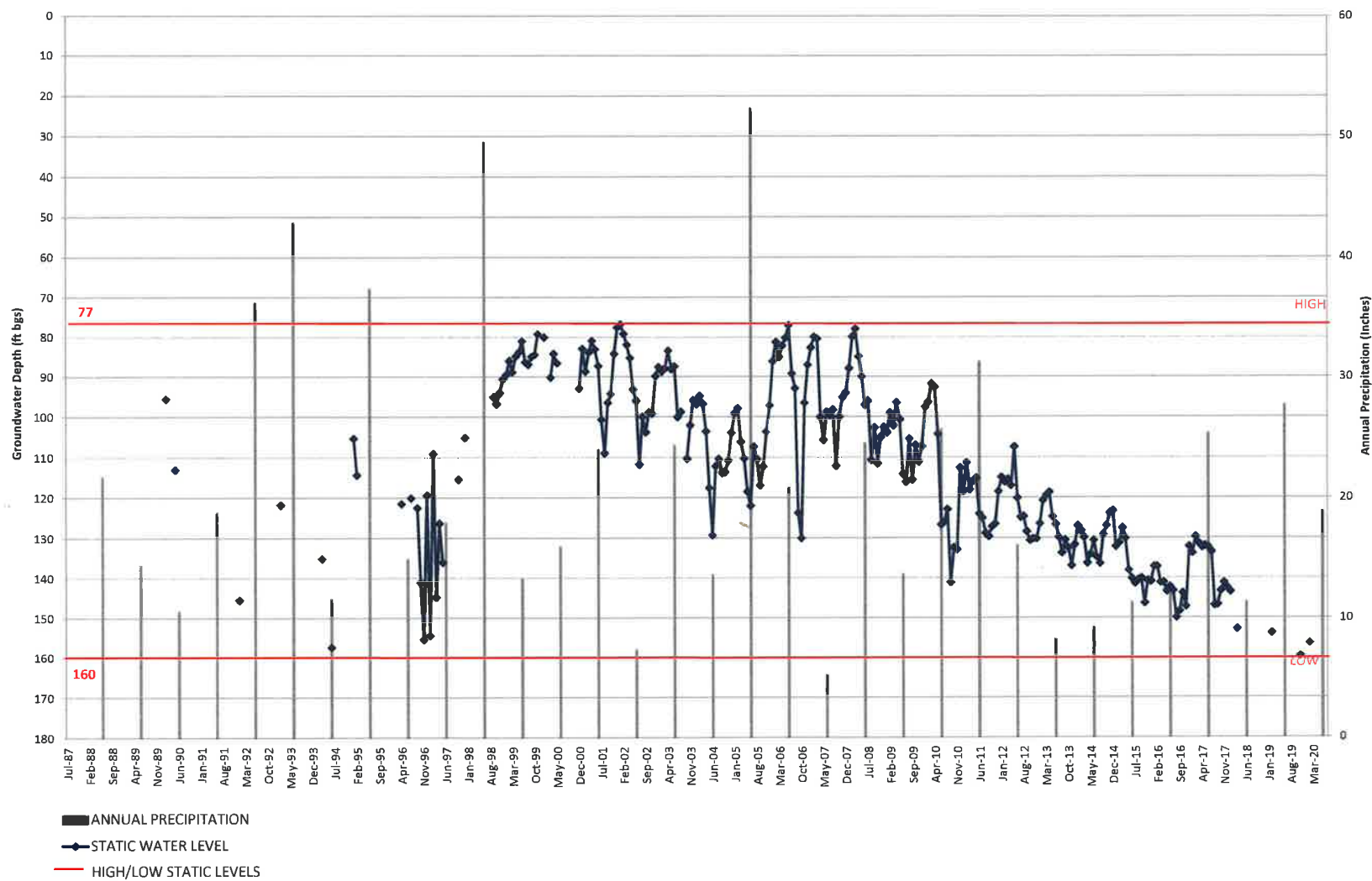




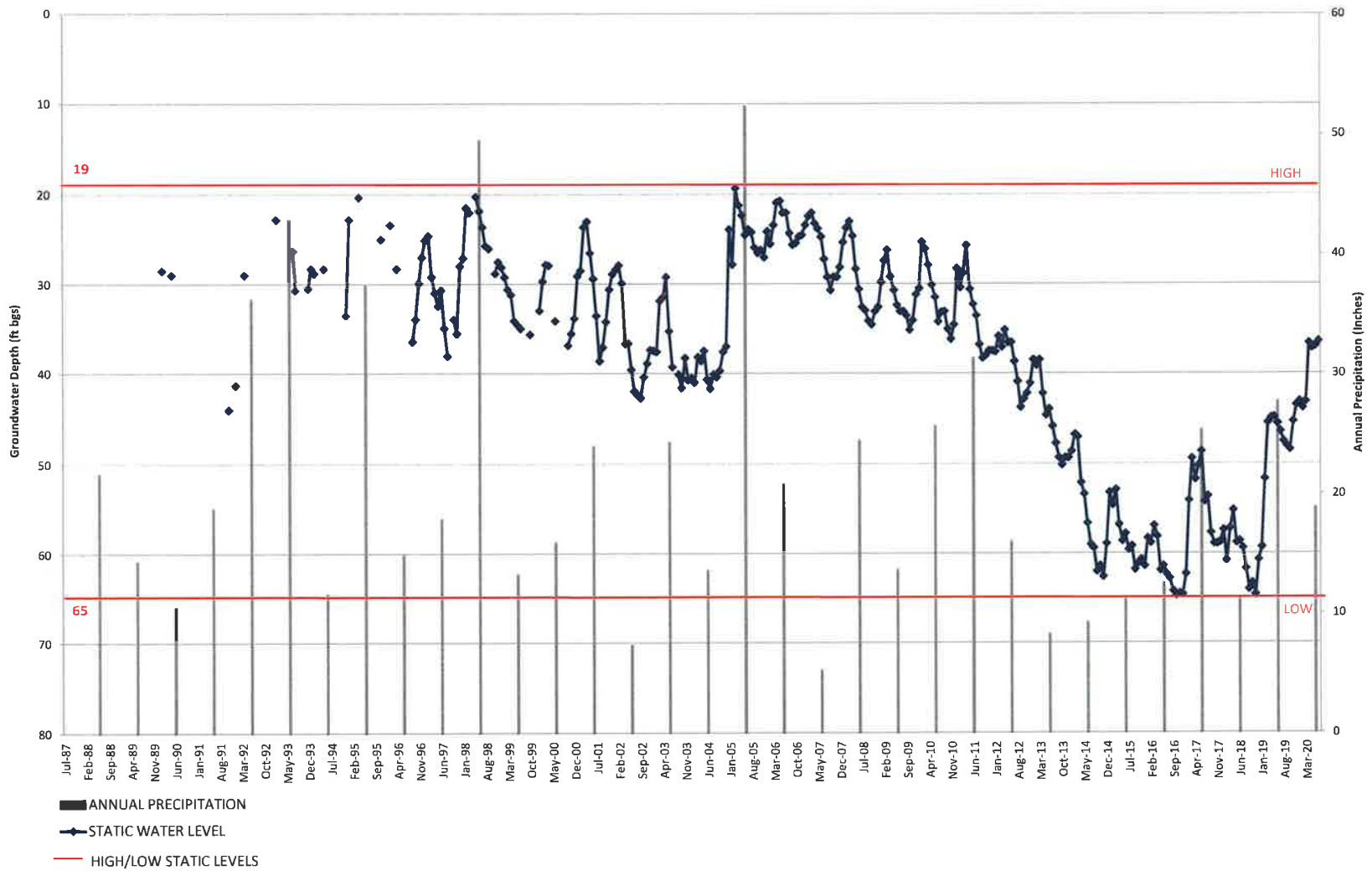
**SCV WATER WELL 205**  
**STATIC WATER LEVEL VS PRECIPITATION**



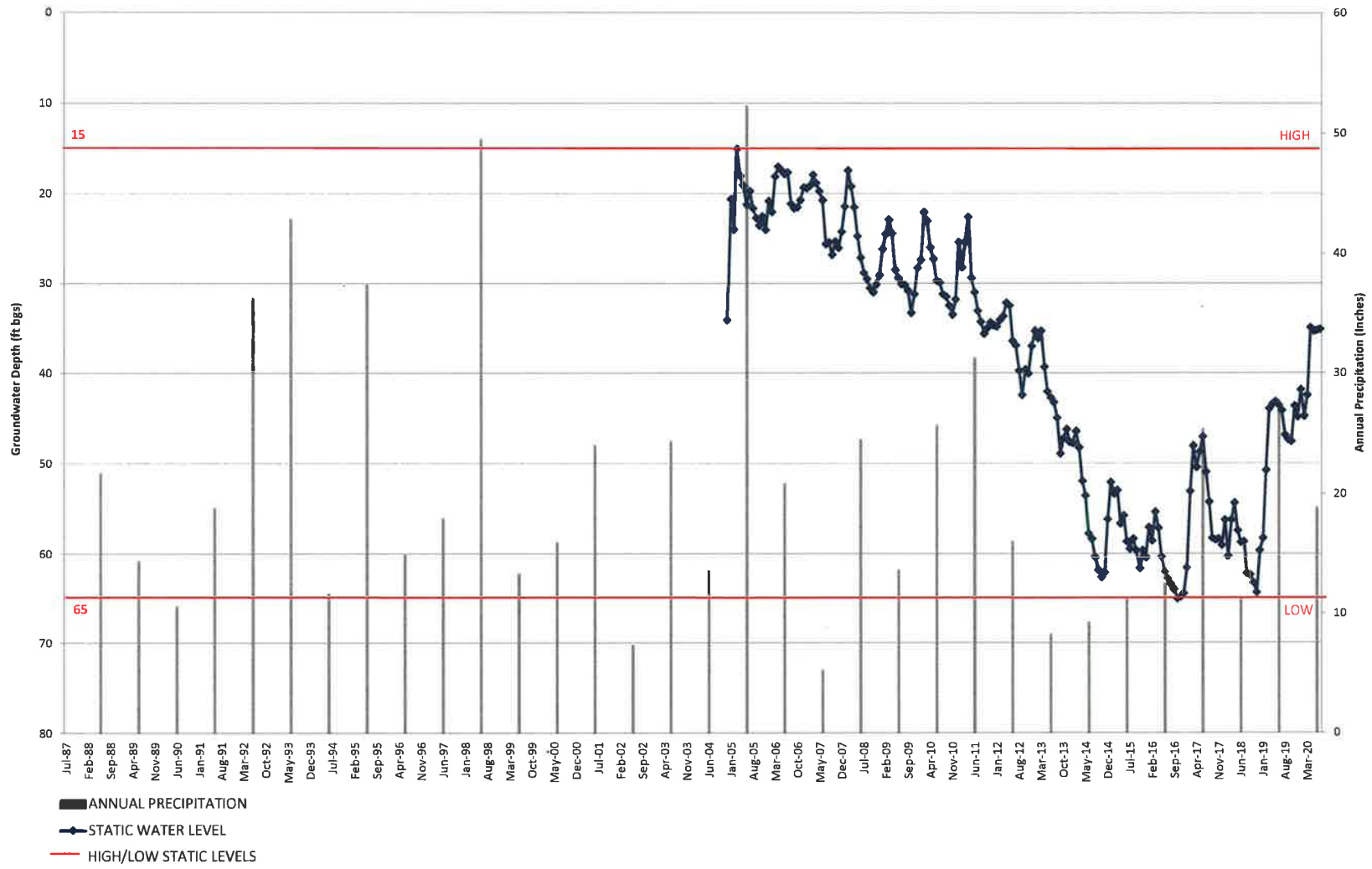
**SCV WATER WELL 201**  
**STATIC WATER LEVEL VS PRECIPITATION**



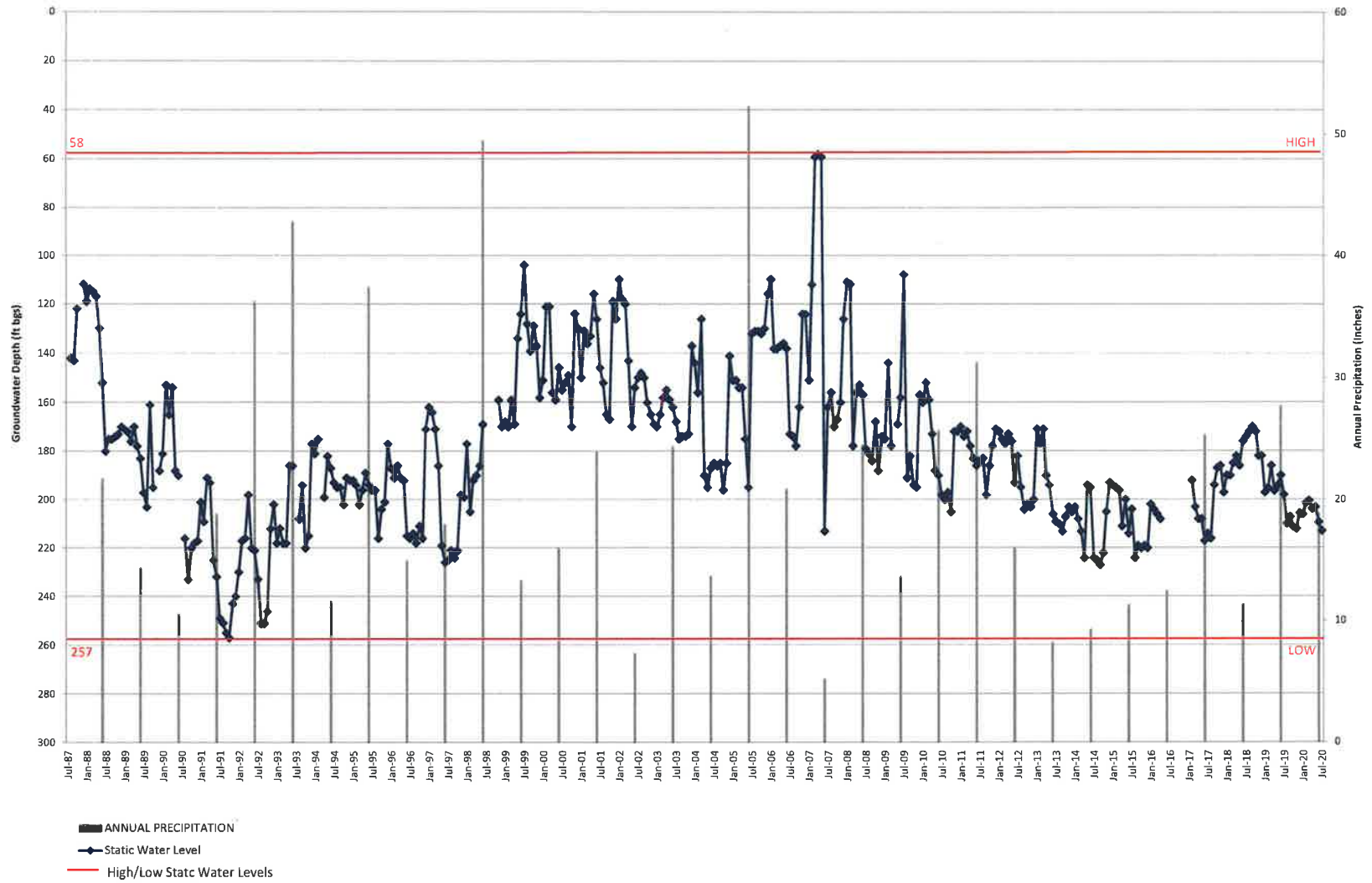
**SCV WATER WELL N**  
 STATIC WATER LEVEL VS PRECIPITATION



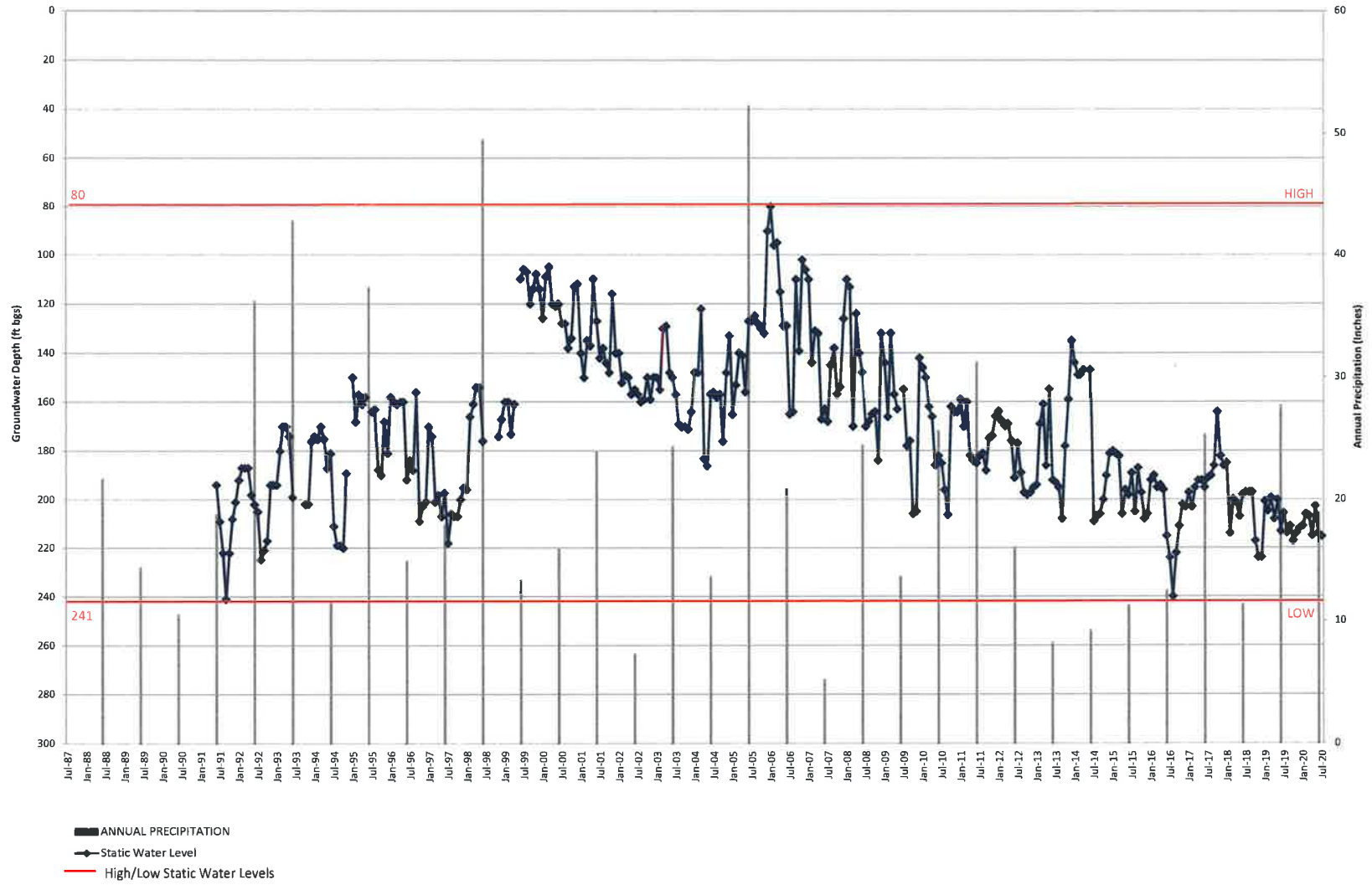
**SCV WATER WELL N7**  
 STATIC WATER LEVEL VS PRECIPITATION



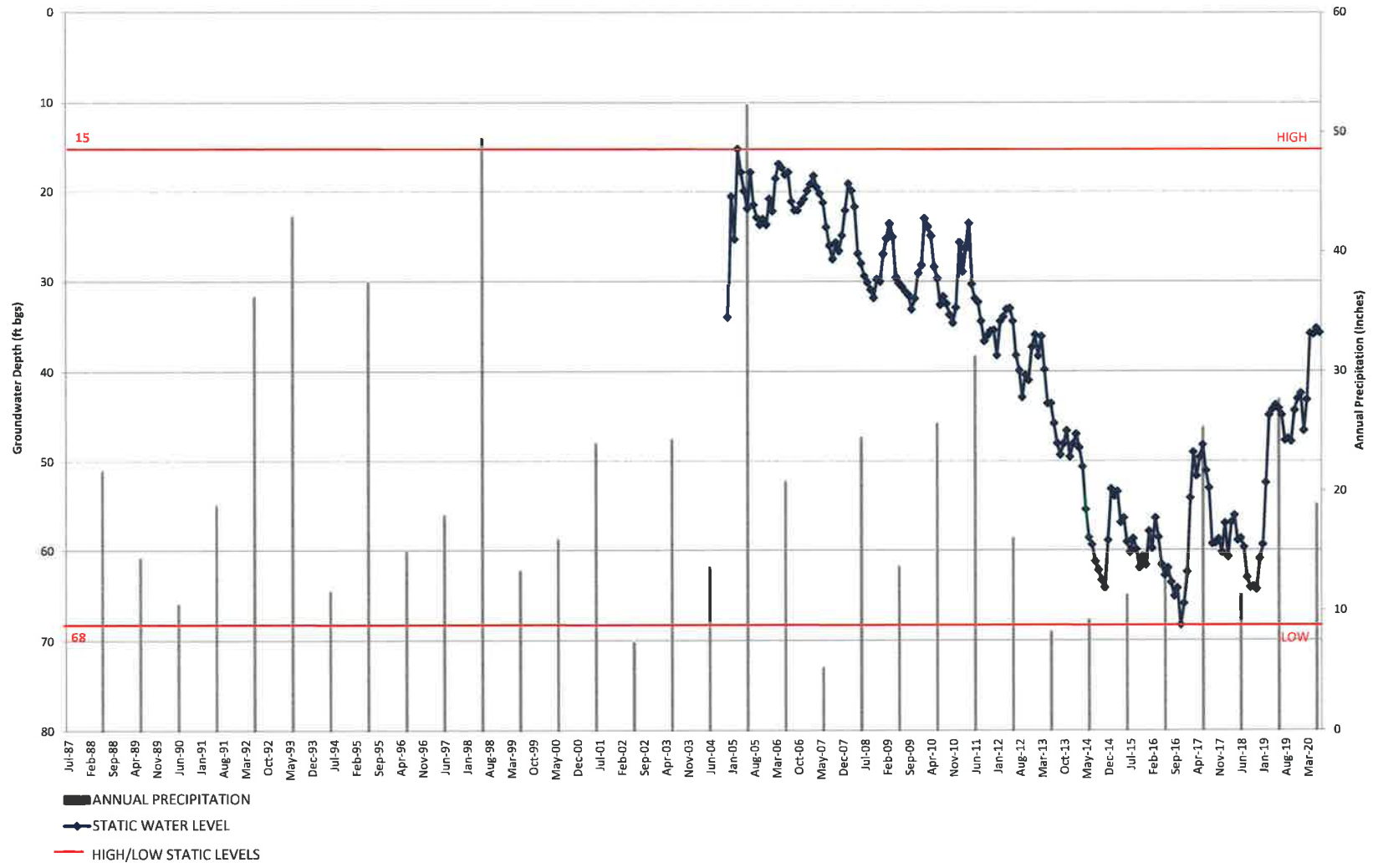
**SCV WATER WELL N12**  
 STATIC WATER LEVEL VS PRECIPITATION



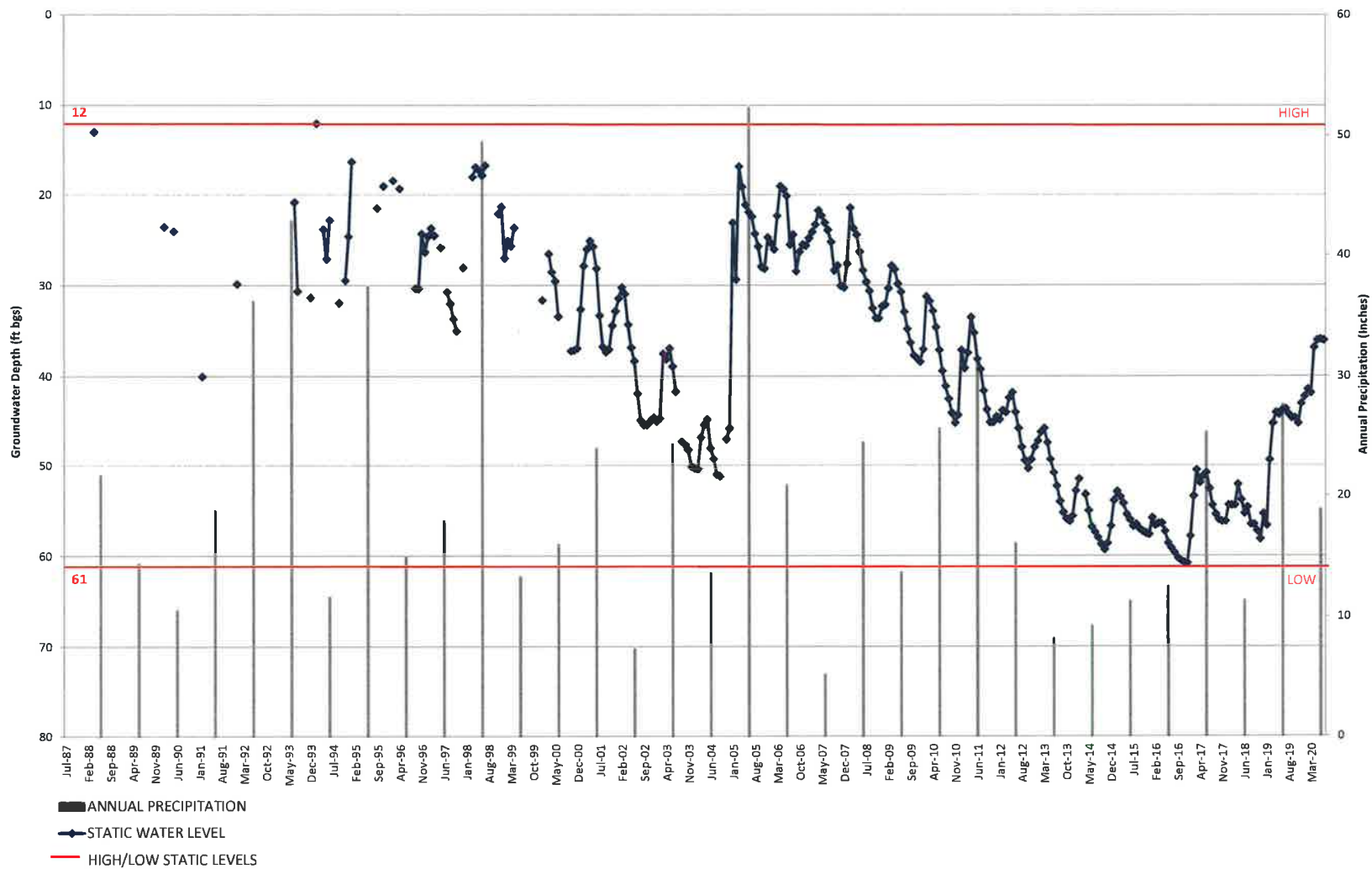
**SCV WATER WELL N13**  
 STATIC WATER LEVEL VS PRECIPITATION



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

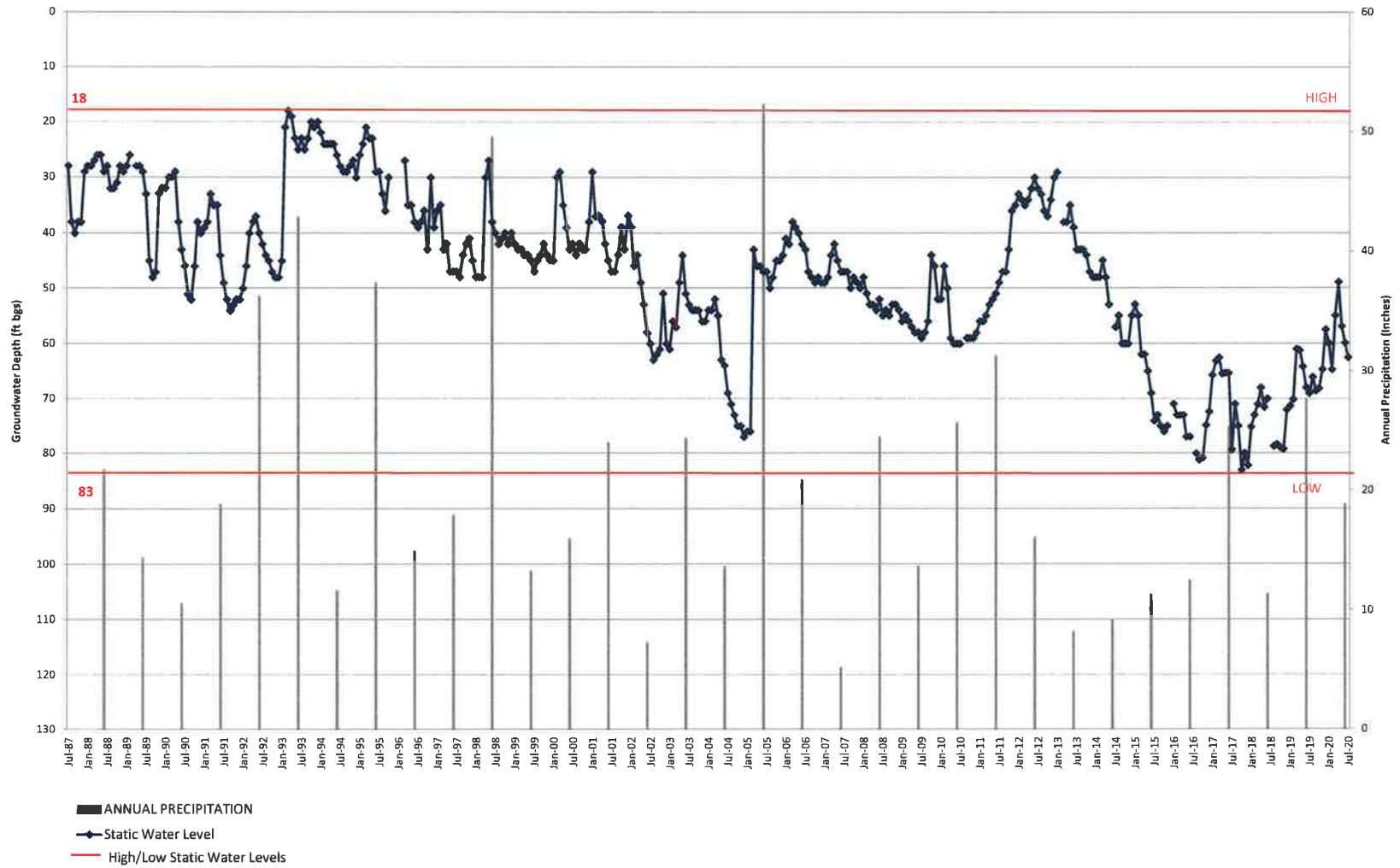


**SCV WATER WELL Q2**  
**STATIC WATER LEVEL VS PRECIPITATION**

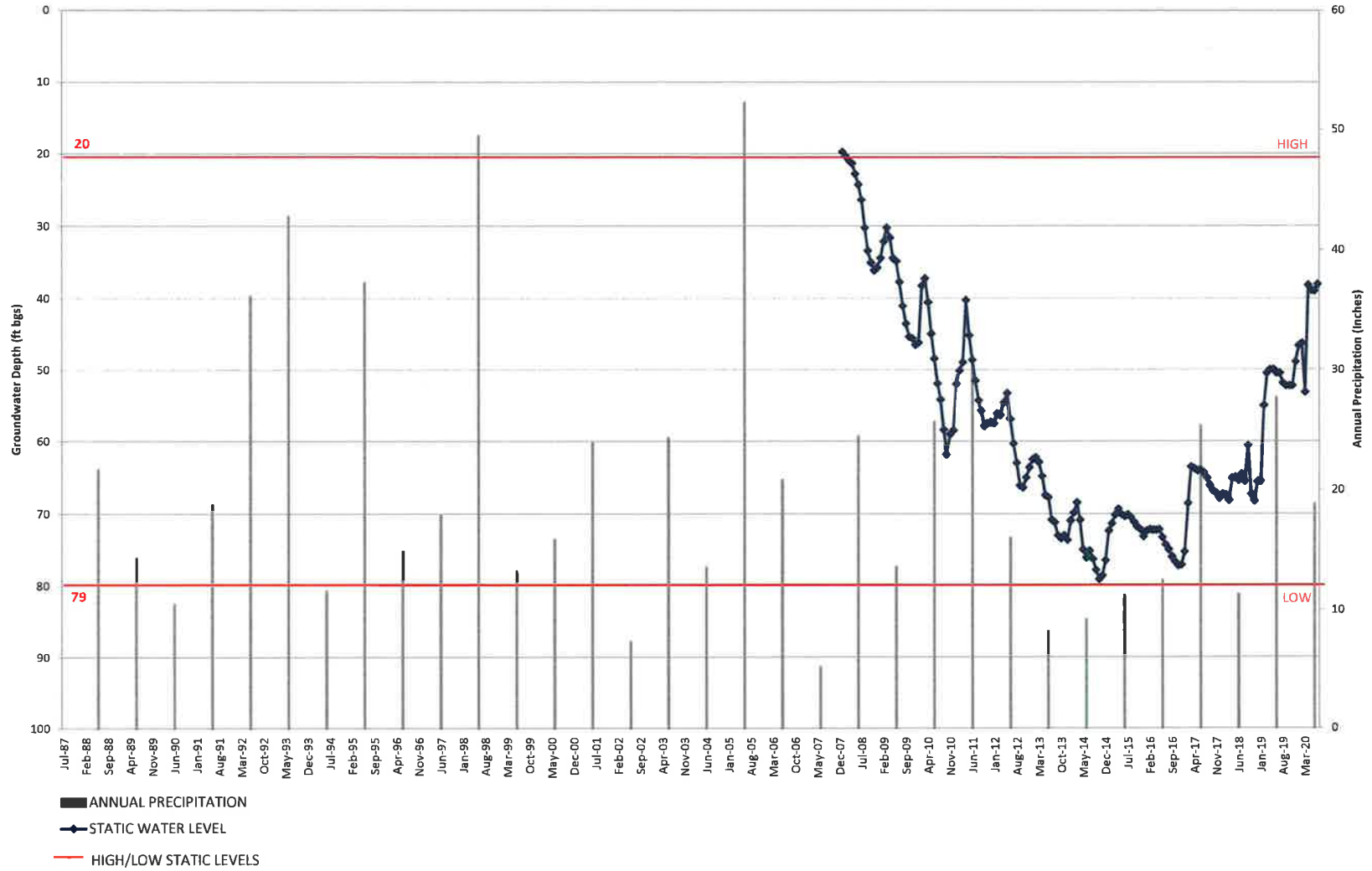




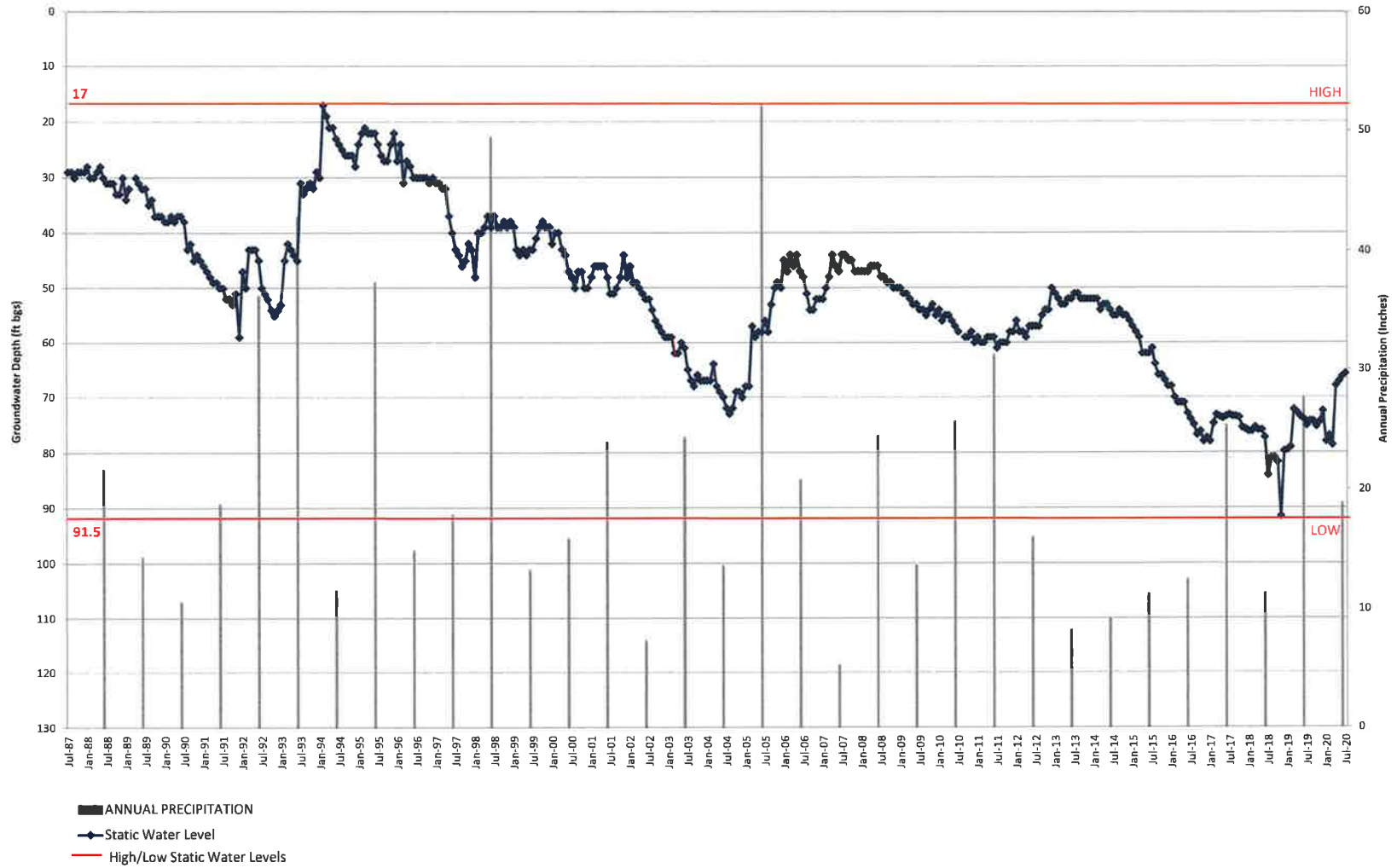
**SCV WATER WELL GUIDA #14**  
**STATIC WATER LEVEL VS PRECIPITATION**



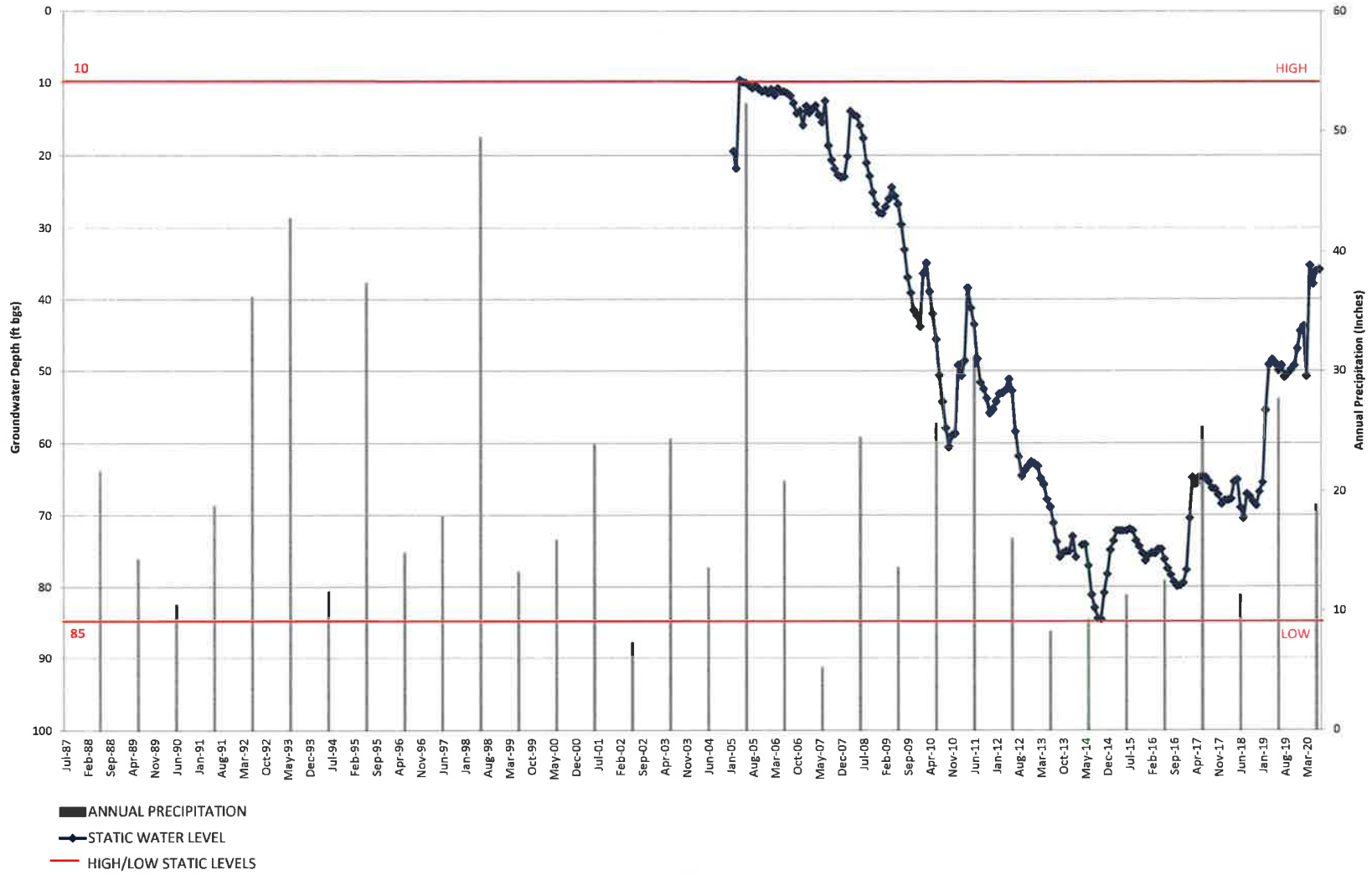
**SCV WATER WELL T7**  
**STATIC WATER LEVEL VS PRECIPITATION**



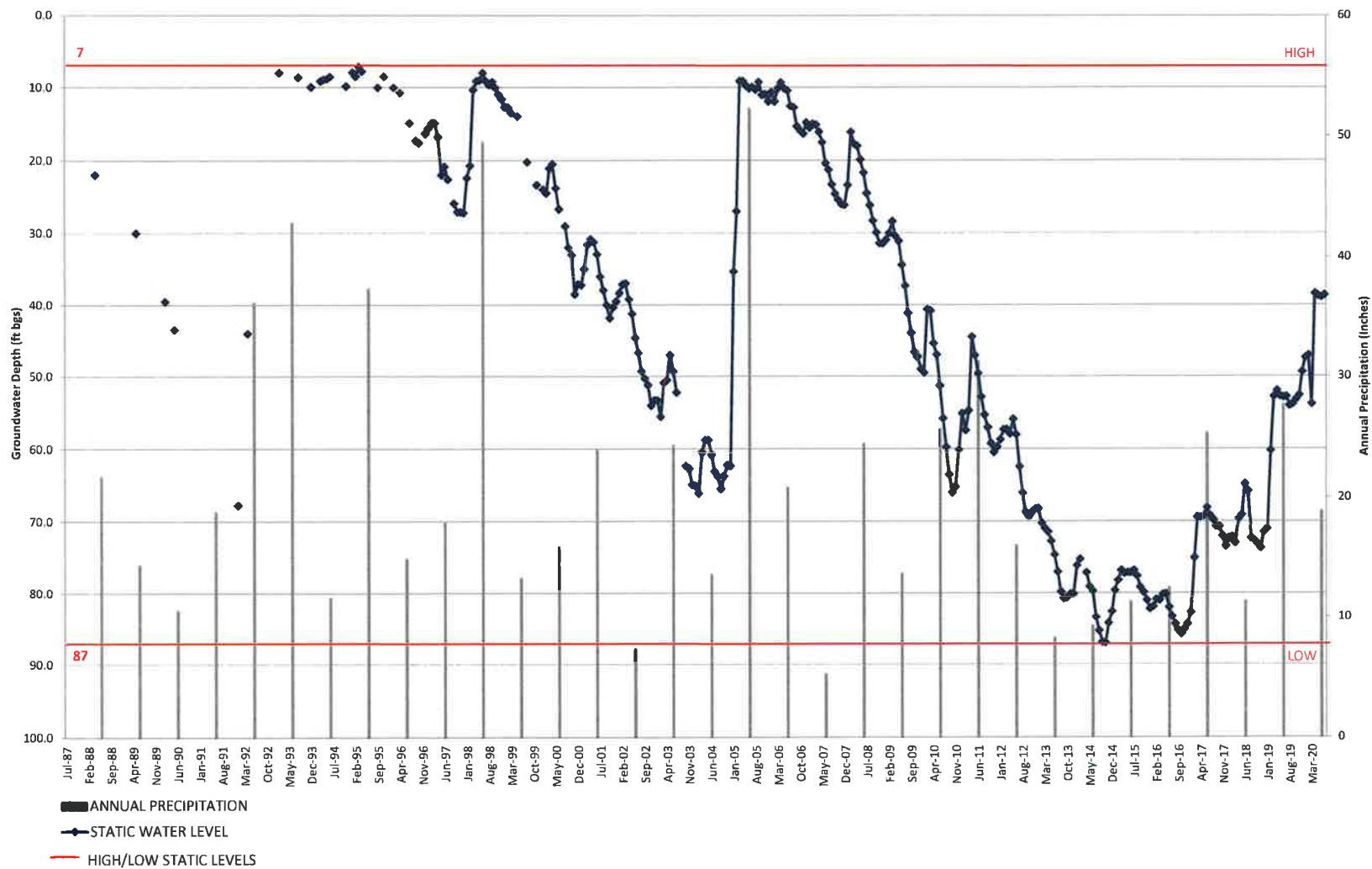
**SCV WATER WELL CLARK #15**  
**STATIC WATER LEVEL VS PRECIPITATION**



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



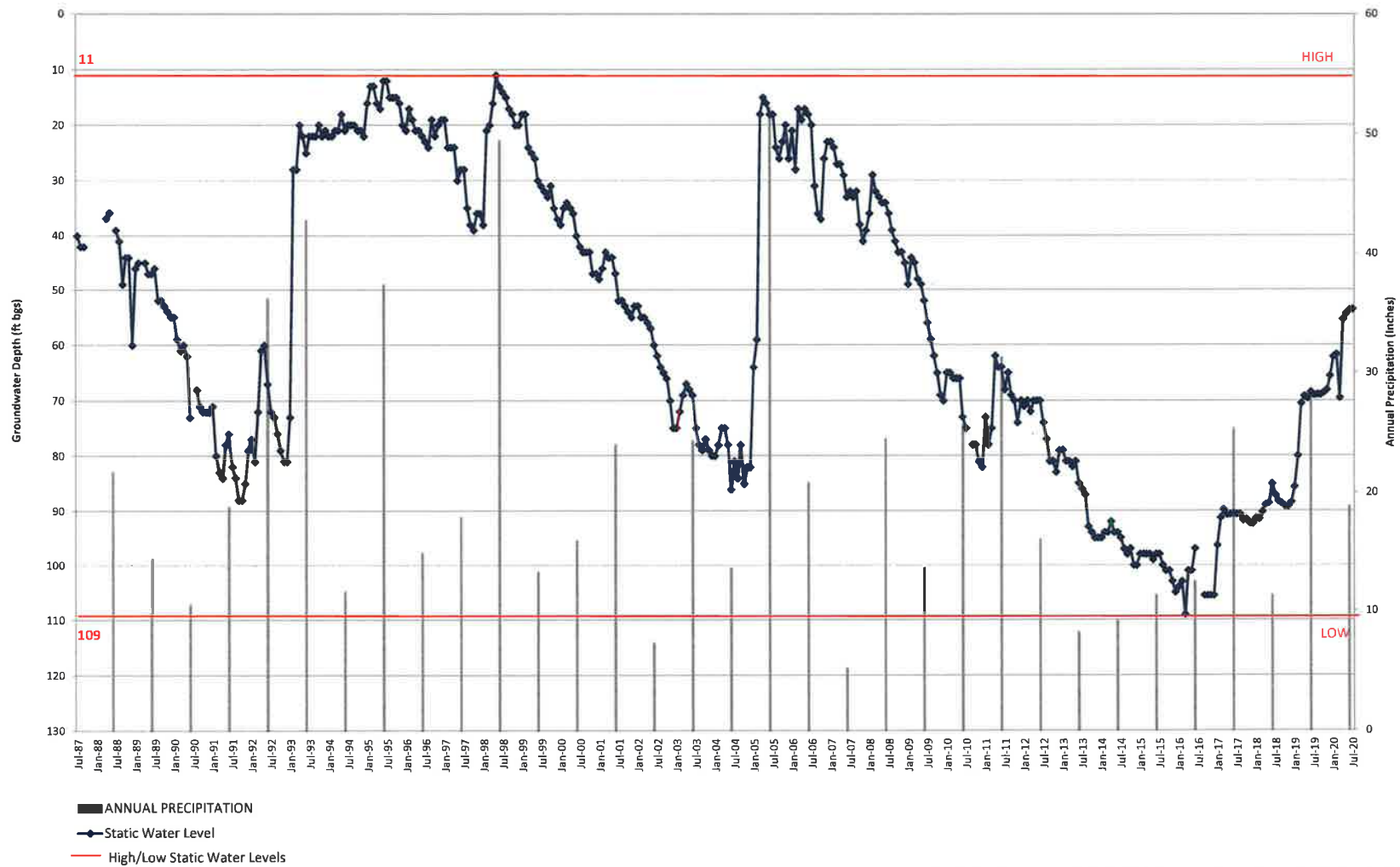
**SCV WATER WELL U4**  
**STATIC WATER LEVEL VS PRECIPITATION**



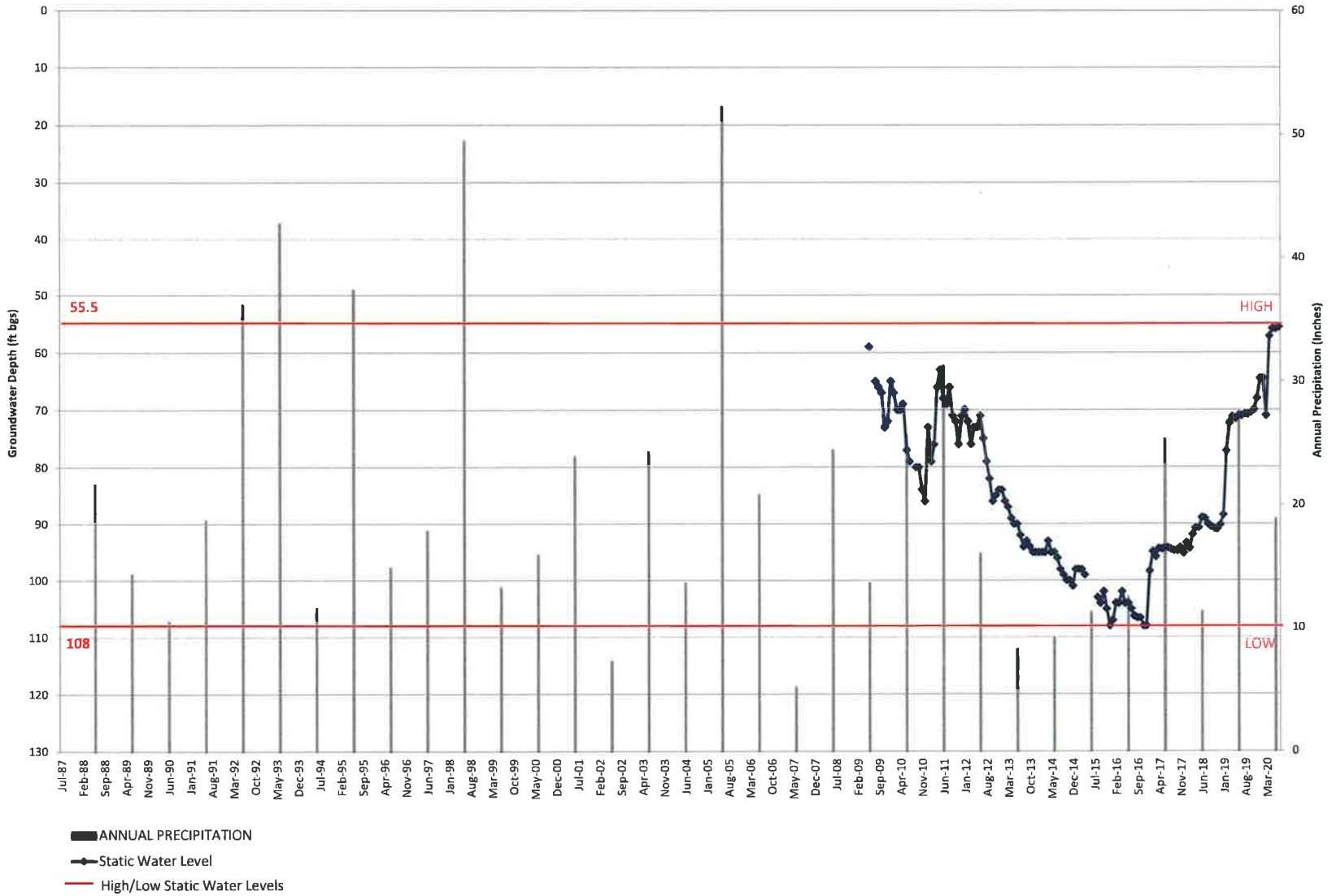
**SCV WATER WELL VALLEY CENTER  
STATIC WATER LEVEL VS PRECIPITATION**



SCV WATER WELL HONBY #12  
 STATIC WATER LEVEL VS PRECIPITATION

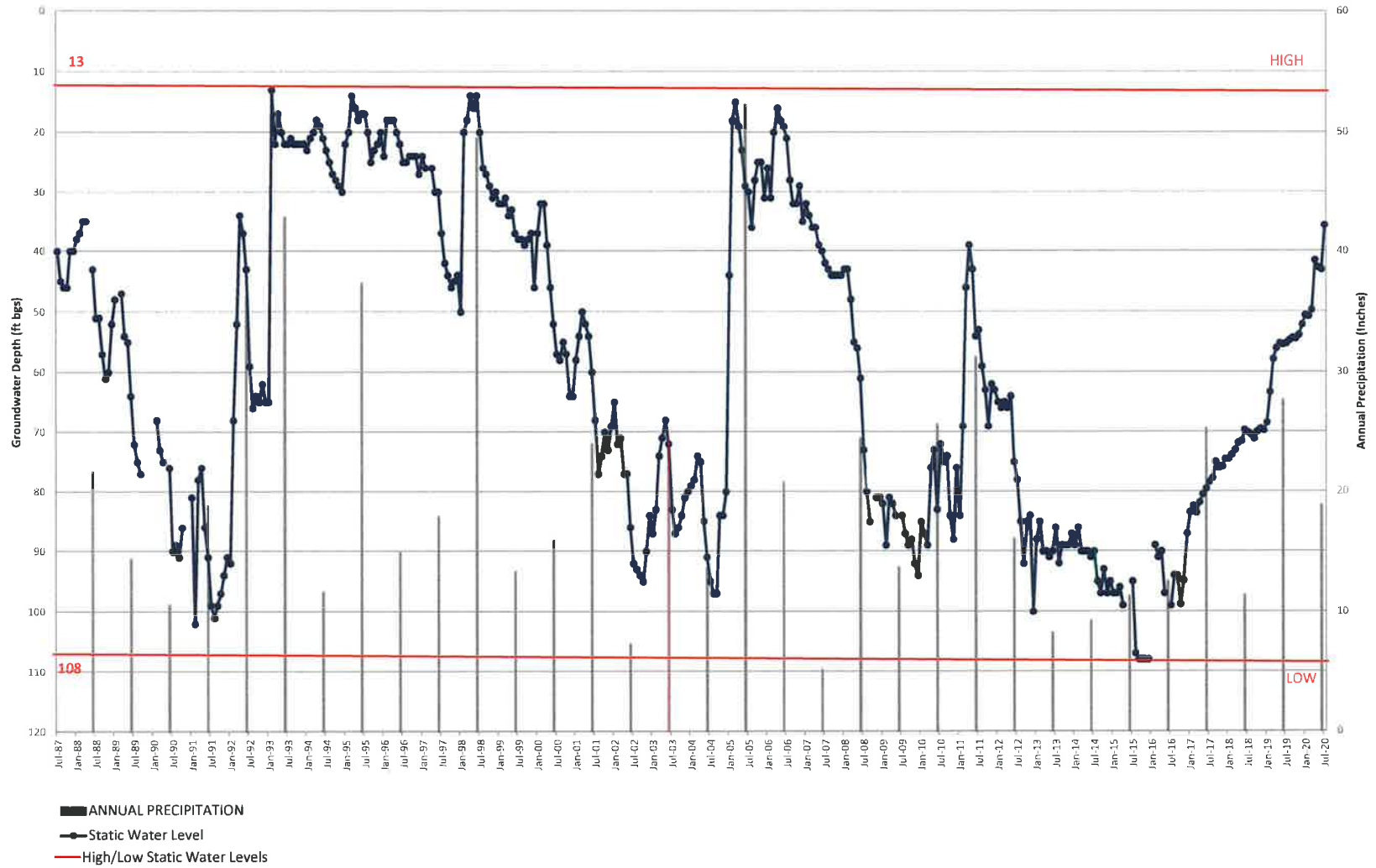


**SCV WATER WELL SANTA CLARA**  
**STATIC WATER LEVEL VS PRECIPITATION**

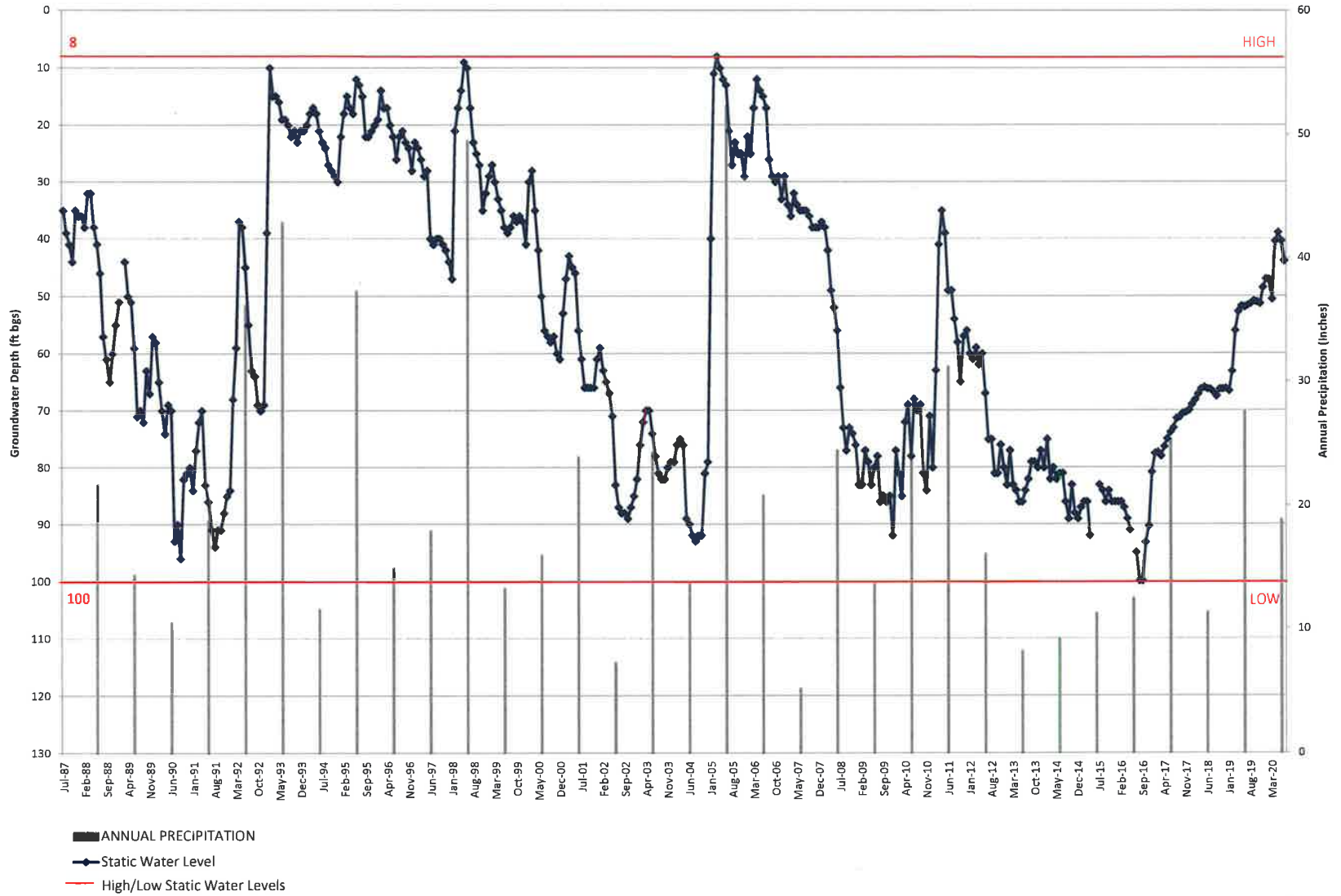




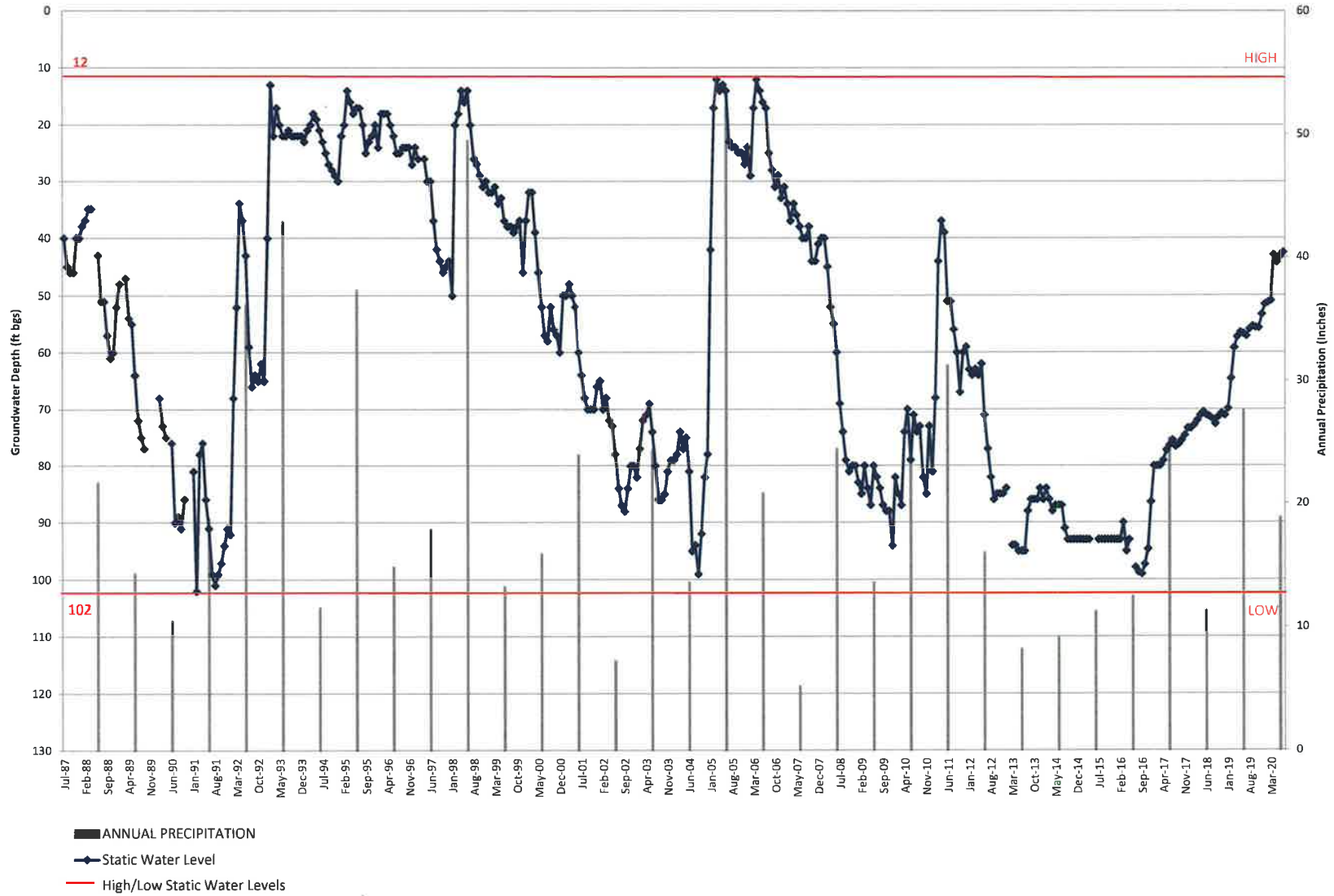
**SCV WATER WELL NORTH OAKS CENTRAL #8**  
 STATIC WATER LEVEL VS. PRECIPITATION



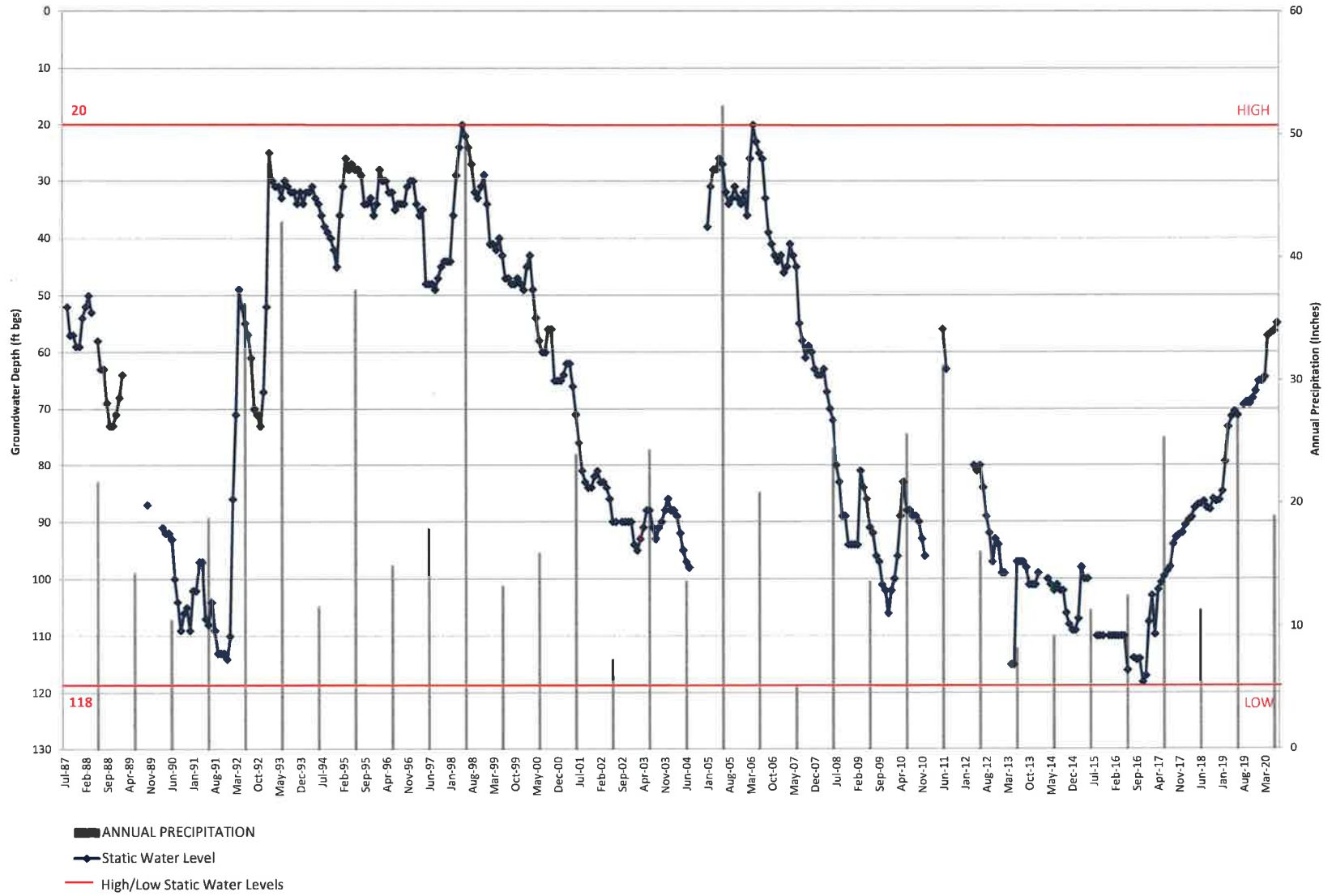
SCV WATER WELL NORTH OAKS WEST #9  
 STATIC WATER LEVEL VS PRECIPITATION



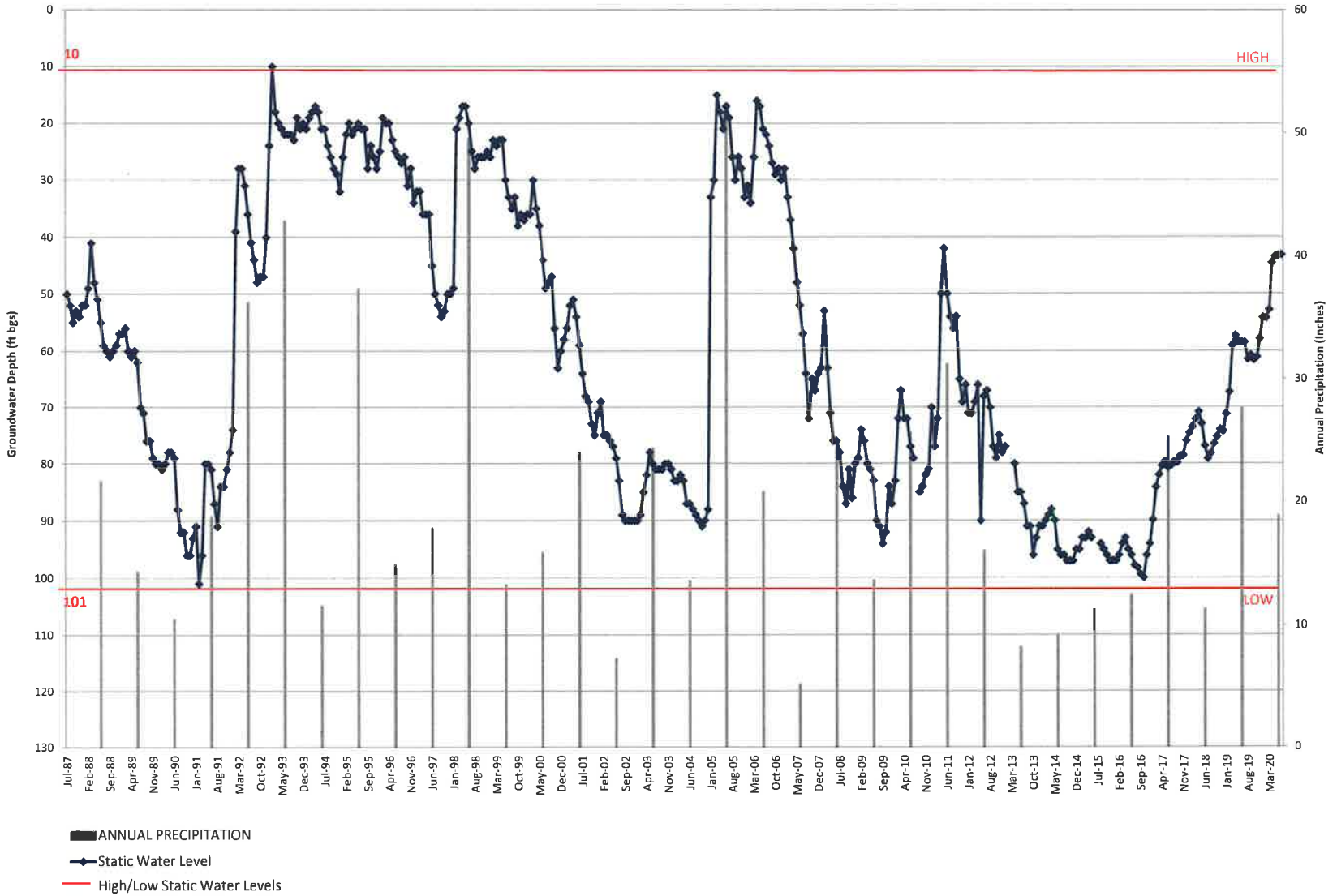
**SCV WATER WELL NORTH OAKS EAST #7**  
**STATIC WATER LEVEL VS PRECIPITATION**



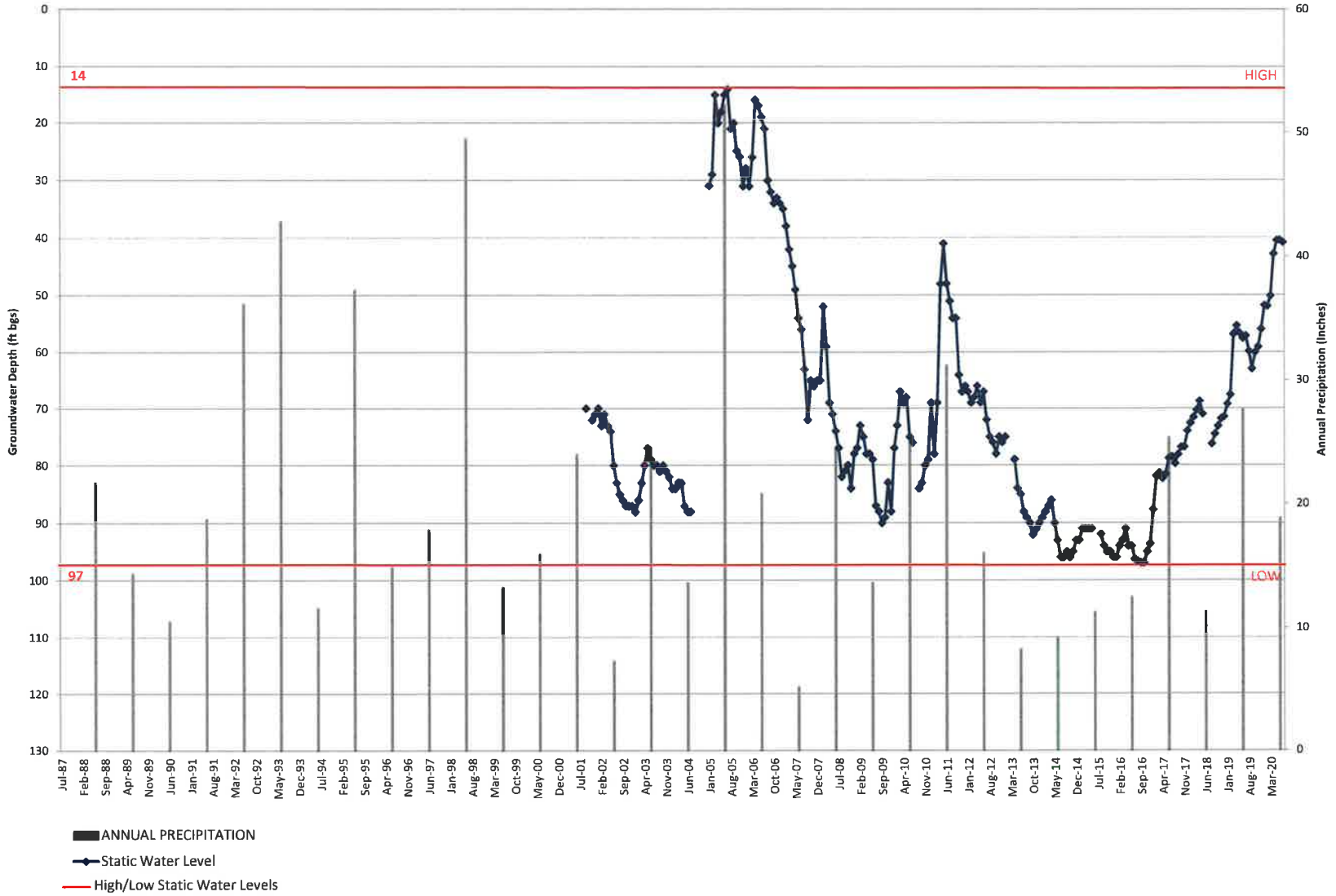
**SCV WATER WELL SIERRA #6**  
**STATIC WATER LEVEL VS PRECIPITATION**



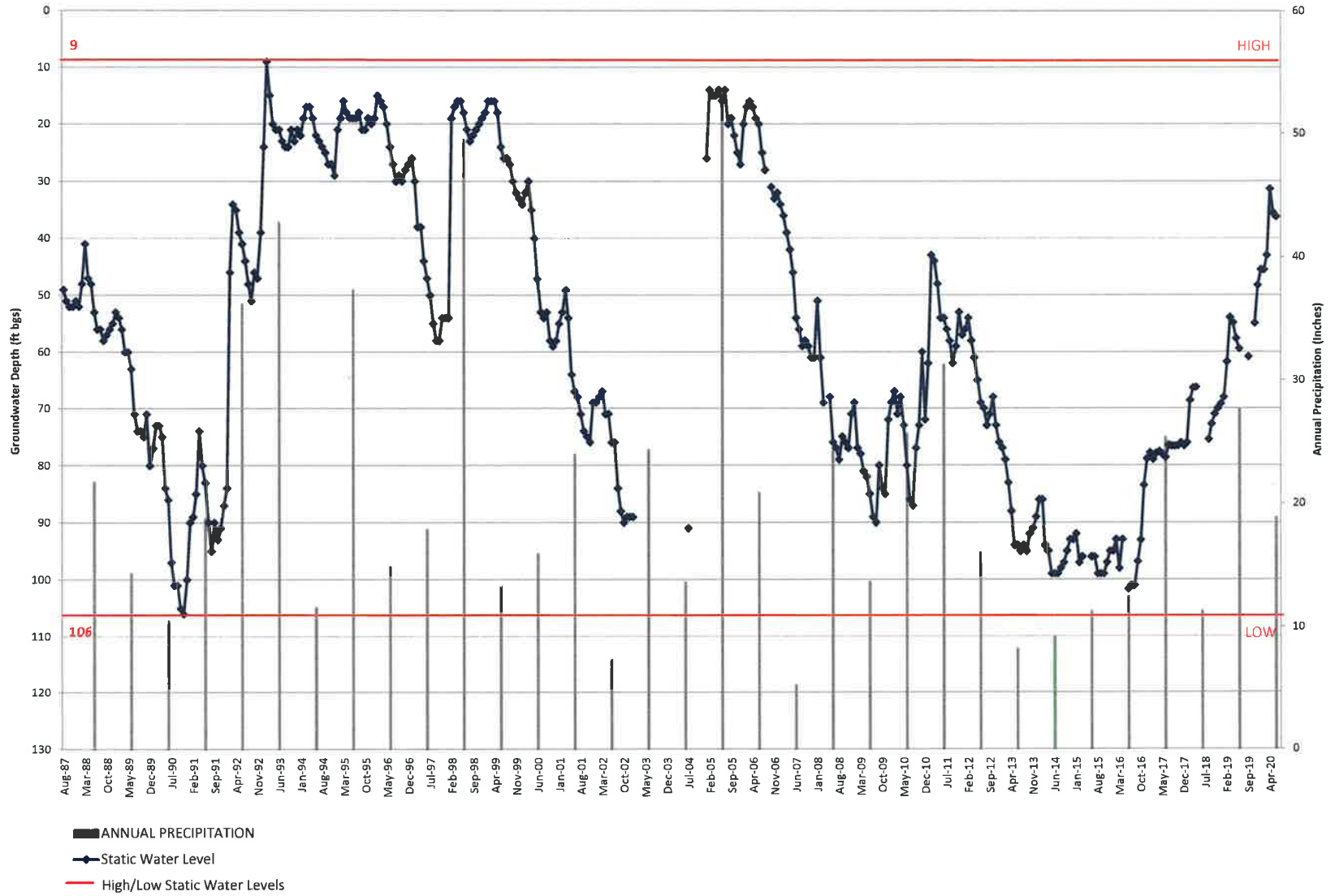
SCV WATER WELL MITCHELL #5A  
 STATIC WATER LEVEL VS PRECIPITATION



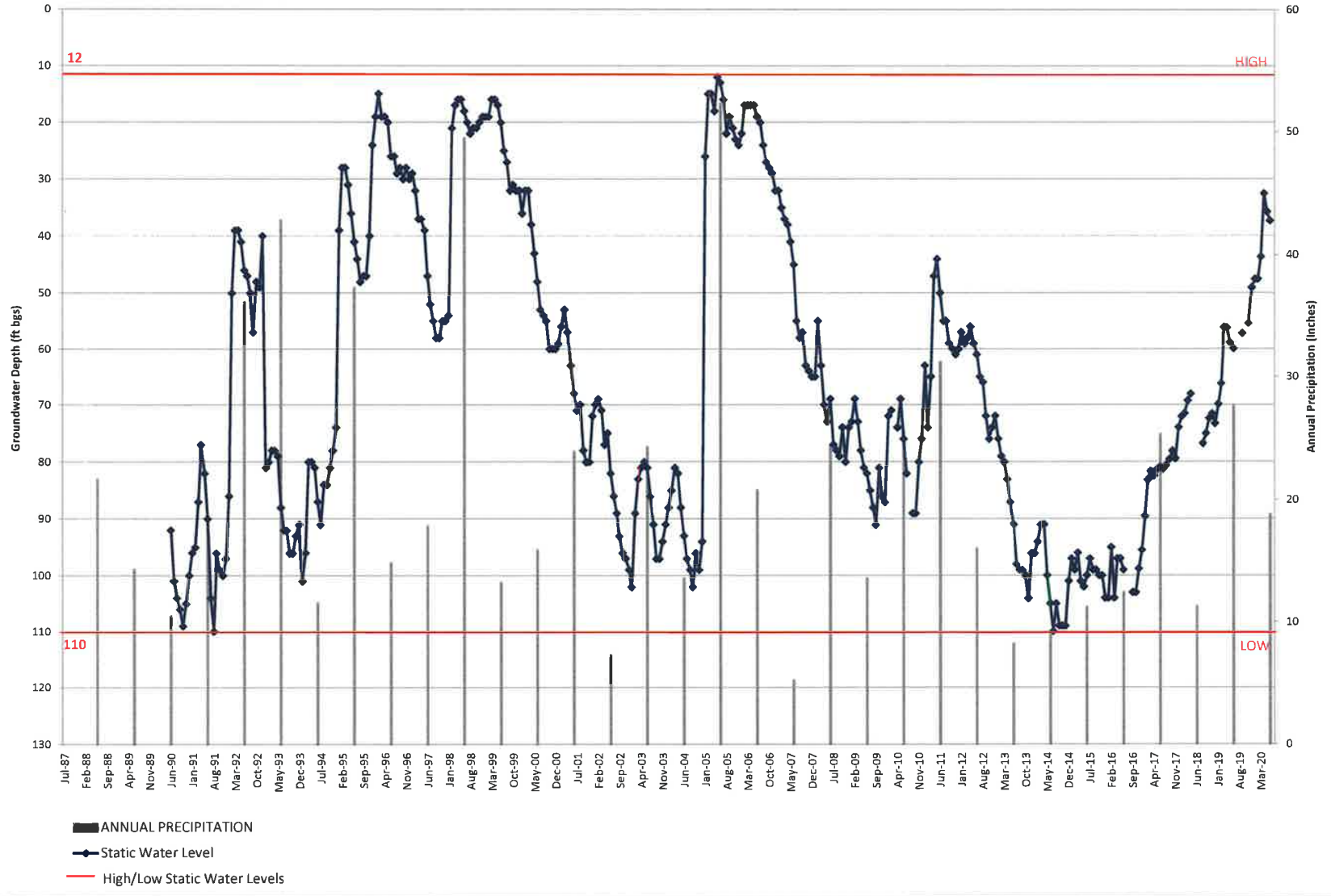
**SCV WATER WELL MITCHELL #5B**  
**STATIC WATER LEVEL VS PRECIPITATION**



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

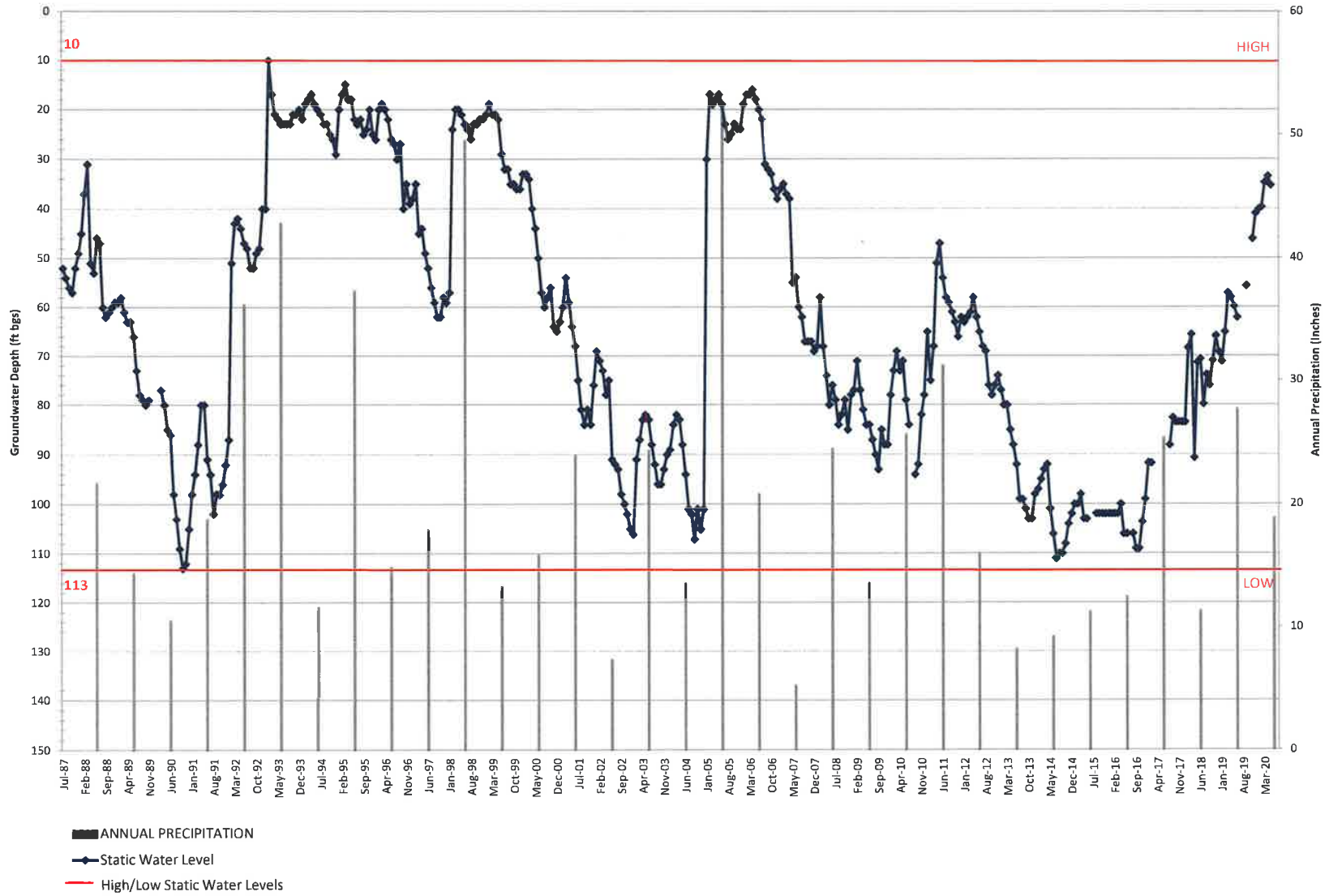


**SCV WATER WELL LOST CANYON #2A**  
 STATIC WATER LEVEL VS PRECIPITATION

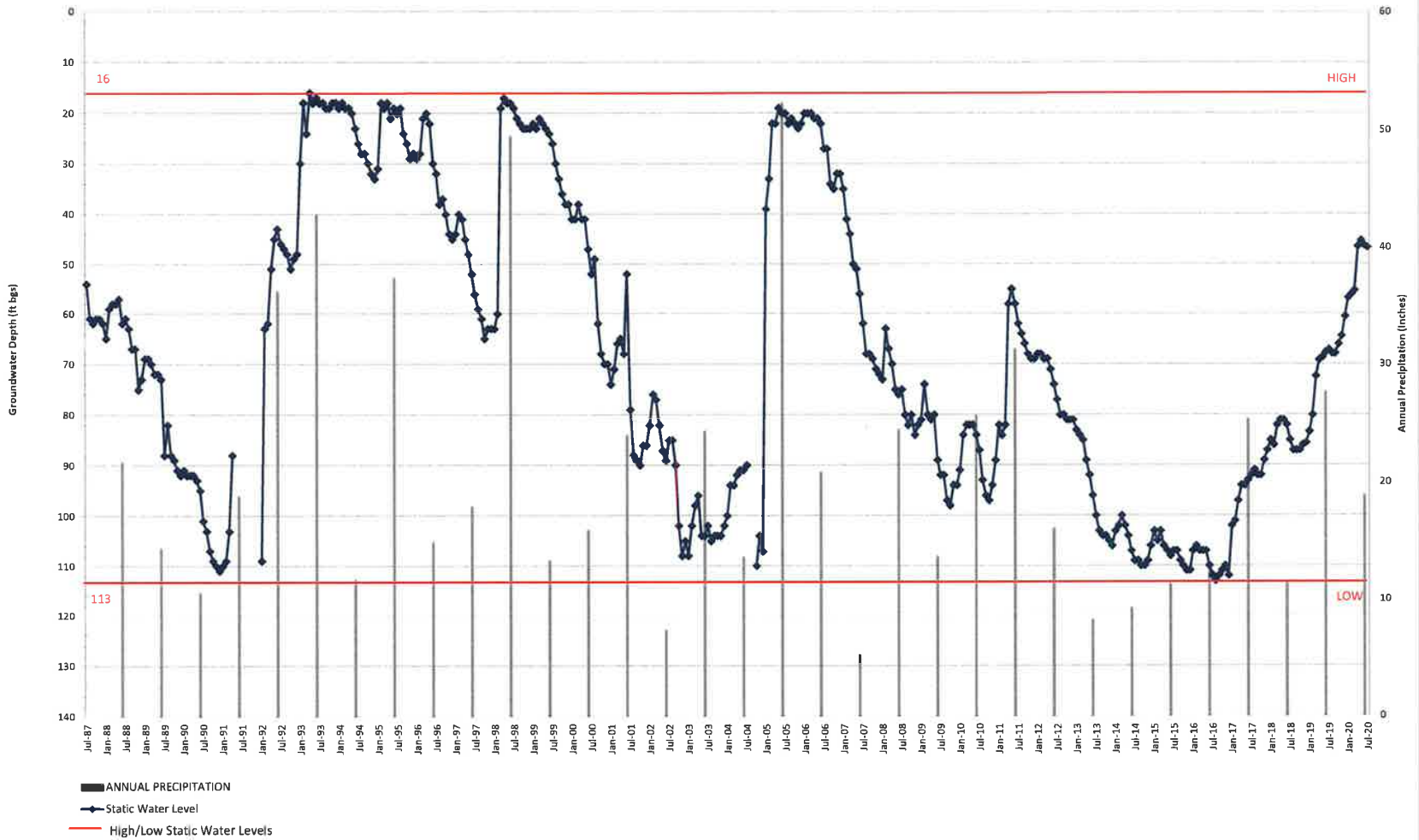




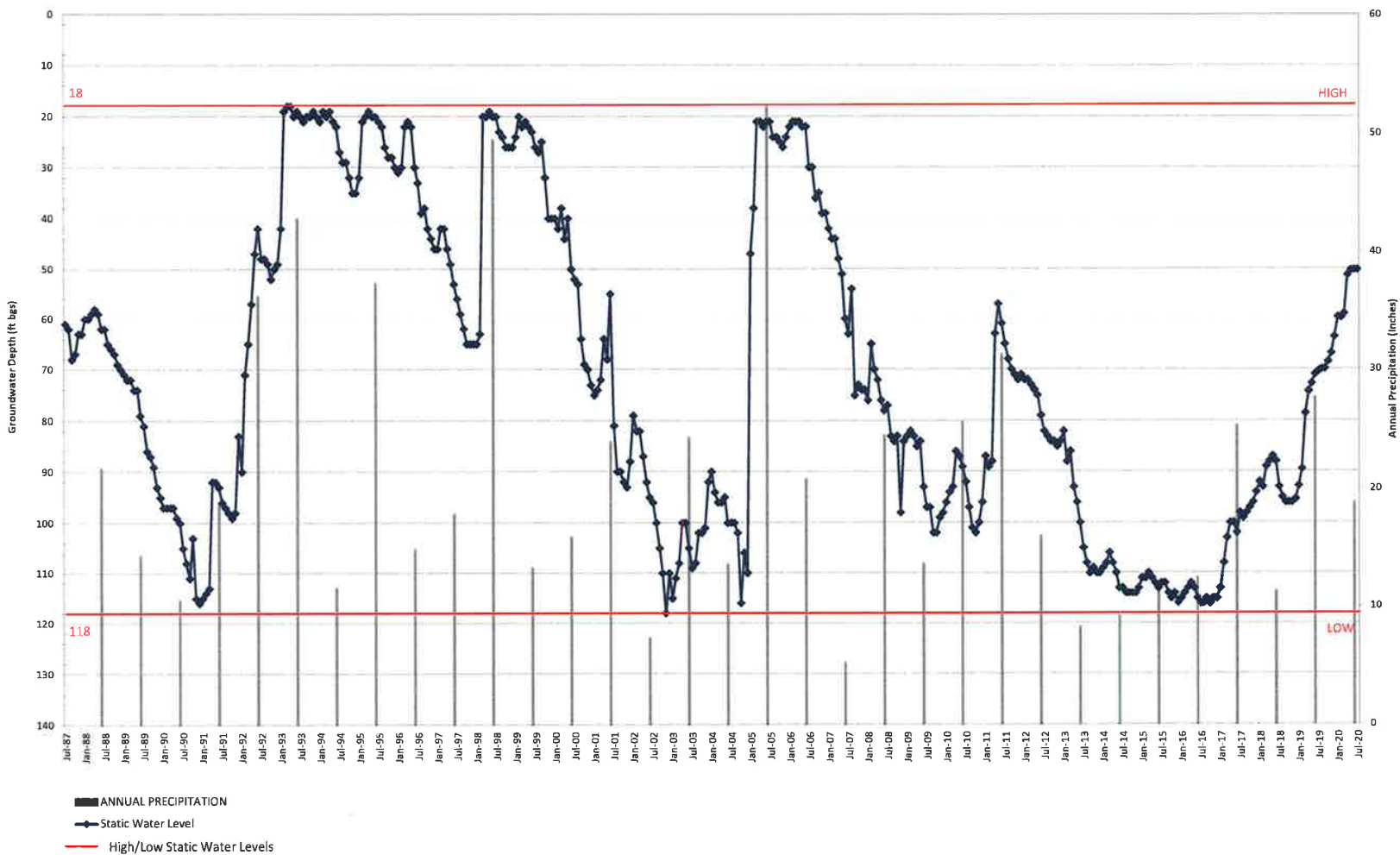
**SCV WATER WELL LOST CANYON #2**  
**STATIC WATER LEVEL VS PRECIPITATION**



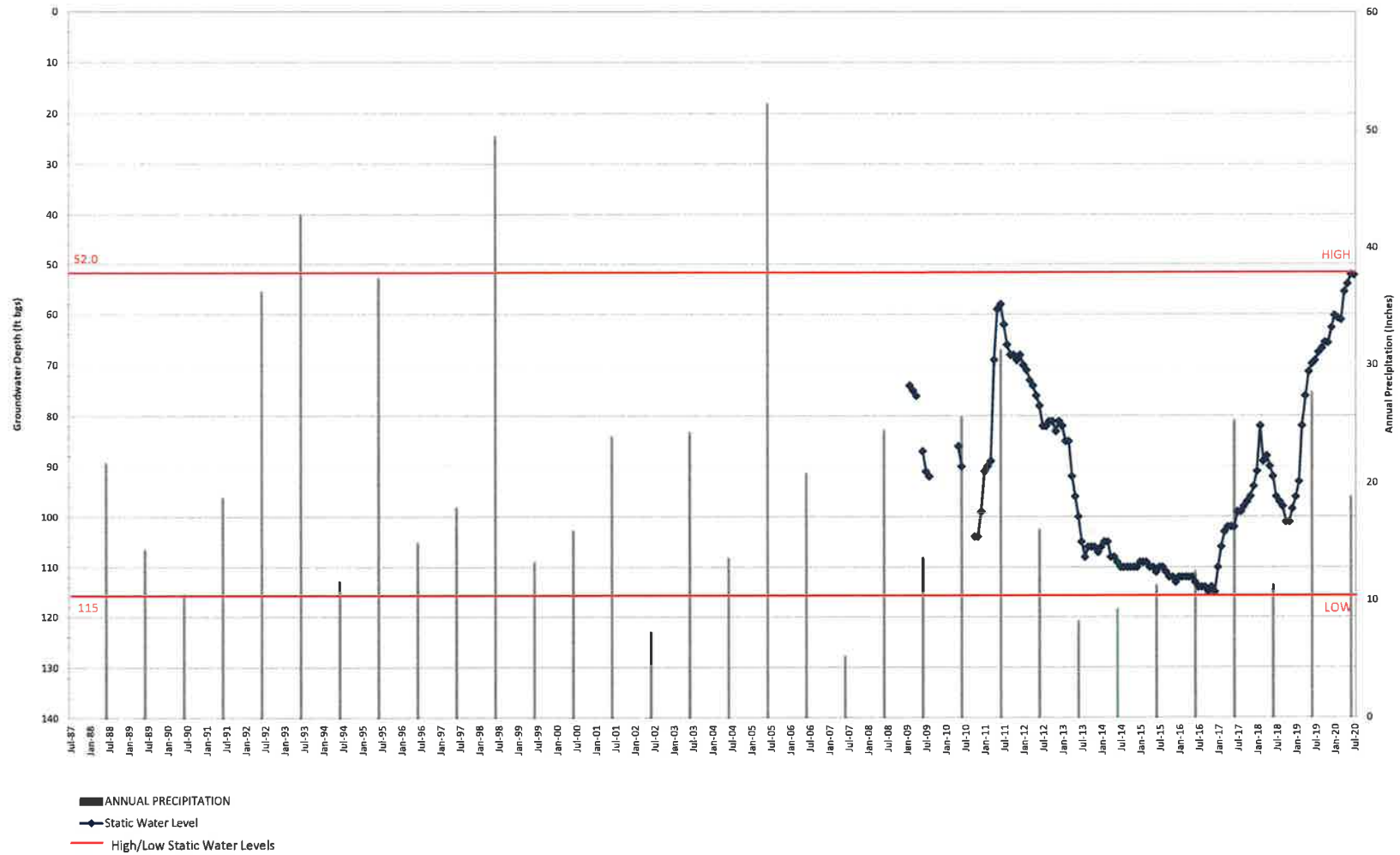
**SCV WATER WELL P4**  
**STATIC WATER LEVEL VS PRECIPITATION**



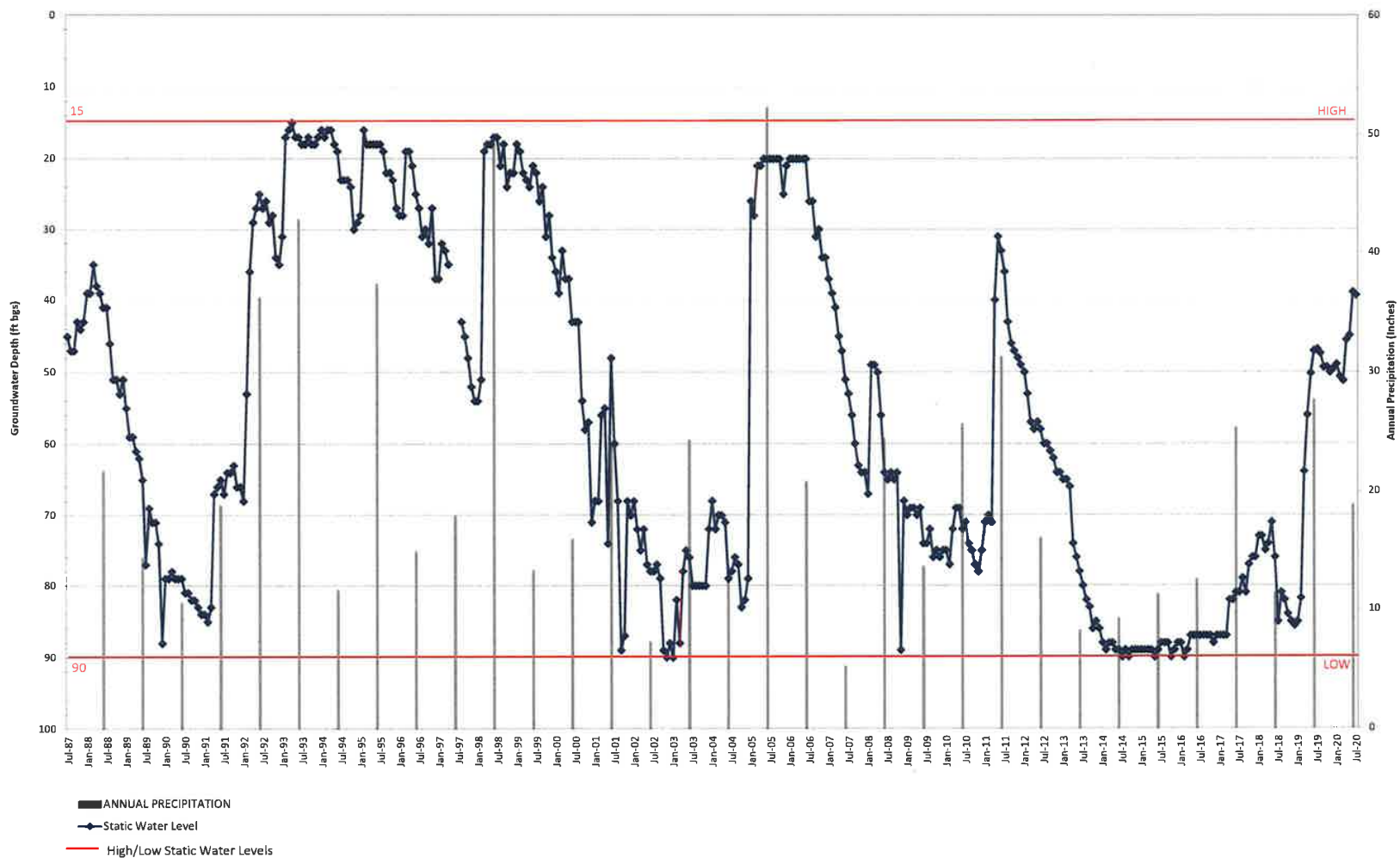
**SCV WATER WELL P3**  
**STATIC WATER LEVEL VS PRECIPITATION**



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



**SCV WATER WELL P1**  
**STATIC WATER LEVEL VS PRECIPITATION**



[This page intentionally left blank.]

**Santa Clarita Valley Water Agency**  
**Capital Improvement Projects (CIP) Construction Status Report**  
**As of August 15, 2020**

<b>Project</b>	<b>Contractor</b>	<b>Original Contract Amount</b>	<b>Change Orders to Date</b>	<b>% Change Orders</b>	<b>Current Contract Amount</b>	<b>Scheduled Completion</b>	<b>Estimated % of Work Completed</b>	<b>Status</b>
PFAS Groundwater Treatment Project and Well Q2 Perchlorate Removal Facility - Vessels Purchase	Evoqua Water Technologies, LLC.	\$1,727,960	\$3,074	0.2%	\$1,731,934	September 17, 2020	95%	Vessels for the N-Wells have been delivered. The Well Q-2 vessels are set for August 2020 delivery.
PFAS Groundwater Treatment Project and Well Q2 Perchlorate Removal Facility - Site Construction	Pacific Hydrotech Corporation	\$4,515,000	\$32,818.63	0.7%	\$4,547,818.63	October 17, 2020	60%	Aboveground piping is being installed and the concrete pad at Well Q2 is being constructed.
West Ranch Recycled Water Main Extension (Phase 2D)	Cedro Construction Inc.	\$3,112,332	\$0	\$0	\$3,112,332	September 26, 2020	50%	Pipeline construction is in progress. Pipe installation is 95% complete. Work around the pump station continues.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$294,130.72	9.5%	\$3,378,855.72	December 31, 2020	90%	Construction activities are on hold.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	December 31, 2020	90%	Construction activities are on hold.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,844.85	\$0	0%	\$7,168,844.85	April 1, 2021	16%	Construction activities are on hold.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687.07	\$0	0%	\$4,568,687.07	June 30, 2021	0%	FivePoint is preparing the construction contract documents with Leatherwood Construction.
Vista Canyon Recycled Water Main Extension (Phase 2B)	Ferreira Construction Co., Inc.	\$2,752,982	\$0	0%	\$2,752,982	November 18, 2020	35%	Potholing is complete. Pipeline construction has started.

[This page intentionally left blank.]



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

**ITEM NO.  
11**

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	Nov 3 Board	Nov 5 Comm	Dec 7 Comm	Dec 15 Board	Jan 5 Board	Jan 7 Comm	Feb 2 Board	Feb 4 Comm	Mar 2 Board	Mar 4 Comm	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	None	C		C			P		P			P	P				P	P			P				P	P	
2	CIP Construction Status Report	None	C		C			P		P			P	P				P	P			P				P	P	
3	Monthly Operations and Production Report	None	C		C			P		P			P	P				P	P			P				P	P	
4	Third Party Funded Agreements Quarterly Report	None			C								P						P							P		
5	Quarterly Safety Program Presentation	Yes 15 min			C								P						P							P		
6	Annual Safety Program Update (FY 19-20)	Yes 15 min						P																				
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	Yes 10 min	C	C																								
8	Recommend Approval of a Resolution Awarding a Purchase Order for Design Services for the Replacement Wells On-Site Pipeline/Infrastructure	Yes 10 min	C	C																								
9	Recommend Approval of a Resolution Awarding a Construction Contract for the Recycled Water Tank Aboveground Piping Potable Make-Up Line Project	Yes 10 min	C	C																								
10	Recommend Approval of a Purchase Order for Final Design Services for Valley Center Well PFAS Groundwater Treatment	Yes 10 min	C	C																								
11	Recommend Approval of Purchase of Replacement Clarifier Media at Earl Schmidt Filtration Plant	TBD			C	C																						
12	Laboratory PFAS Analytical Equipment Purchase	None			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	Yes 10 min			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	None							P	P																		
15	Recommend Approval of the Installation of Approximately 400 feet of 30" Diameter Pipeline Along Ridge Route Road	None							P	P																		
16	Recommend Approval of the installation of Approximately 1,500 feet of 14" Diameter Pipeline Along Decoro Drive	None							P	P																		
17	Recommend Approval of the Installation of Approximately 1,500 feet of 12" Diameter Pipeline Along The Old Road	None							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	Nov 3 Board	Nov 5 Comm	Dec 7 Comm	Dec 15 Board	Jan 5 Board	Jan 7 Comm	Feb 2 Board	Feb 4 Comm	Mar 2 Board	Mar 4 Comm	Apr 1 Comm	Apr 6 Board	May 4 Board	May 10 Comm	Jun 1 Board	Jun 3 Comm	Jul 6 Board
18	Recommend Approval of the Installation of Approximately 130 feet of 18" Diameter Pipeline Along Honby Avenue	None							P	P																			
19	Recommend Approval of a Purchase Order for Final Design Services for Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements	Yes 10 min							P			P																	
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							P			P																	
21	Comprehensive Groundwater Resources and Well Equipment Evaluation	TBD									P		P																
22	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	TBD									P		P																
23	Recommend Approval of Construction Contract Funding and a Purchase Order for Inspection Services for Replacement Wells Commerce Center Drive Pipeline	Yes 10 min										P																	
24	Recommend Approval of Resolution Authorizing SCV Water to Execute Water Service Agreement with State Water Resources Control Board and Los Angeles Residential Community	TBD												P		P													
25	Recommend Approval of Resolution Awarding Contract to TBD for Newhall Tank 2 Recoat and Repairs	TBD												P		P													
26	Recommend Approval of Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for ESFP Washwater Return and Sludge Systems Project	TBD													P		P												
27	Recommend Approval of a Work Authorization for Final Design of the Groundwater Treatment Improvements	TBD													P		P												
28	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to the Los Angeles Residential Community	TBD																P	P										
29	Recommend Approval of a Purchase Order for Final Design of the Magic Mountain Reservoir	TBD																			P	P							
30	Recommend Approval of a Purchase Order for Final Design of the Magic Mountain Pump Station	TBD																			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	Nov 3 Board	Nov 5 Comm	Dec 7 Comm	Dec 15 Board	Jan 5 Board	Jan 7 Comm	Feb 2 Board	Feb 4 Comm	Mar 2 Board	Mar 4 Comm	Apr 1 Comm	Apr 6 Board	May 4 Board	May 10 Comm	Jun 1 Board	Jun 3 Comm	Jul 6 Board	
31	Recommend Approval of a Purchase Order for Final Design Services for Well 205 Groundwater Treatment Improvements	Yes 10 min																			P	P								
32	Recommend Approval of Resolution Adopting Mitigated Negative Declaration under California Environmental Quality Act for Construction of New Sand Canyon Plaza 1.5 MG Deane Tank	TBD																			P	P								
33	Recommend Approval of Work Authorization for Groundwater Modeling Services for Perchlorate Containment Evaluation	TBD																					P		P					
34	Recommend Approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Tank	TBD																					P		P					
35	Recommend Approval of Construction of Pipeline in Sierra Highway from Dockweiler to Newhall Avenue	TBD																					P		P					
36	Recommend Approval of Construction of Pressure Reducing Station In Sierra Highway	TBD																					P		P					
37	Recommend Approval of Construction of New Sand Canyon Plaza (Deane Zone) Pump Station and Cost Sharing Agreement with Developer	TBD																						P		P				
38	Recommend Approval of Construction of a New Skyline Ranch (Deane Zone) Pump Station and Cost Sharing Agreement with Developer	TBD																						P		P				
39	Recommend Approval of Construction of New Skyline Ranch 2.1 MG Tanks (Deane Zone) and Cost Sharing Agreement with Developer	TBD																						P		P				
40	Recommend Approval of Construction of New Sand Canyon Plaza 1.5 MG Tank (Deane Zone) and Cost Sharing Agreement with Developer	TBD																										P	P	

[This page intentionally left blank.]