



Date: March 20, 2019

To: **Engineering and Operations Committee**
Tom Campbell, Chair
Dante Acosta
Ed Colley
William Cooper
Gary Martin
Lynne Plambeck

From: Brian J. Folsom, Chief Engineer *BJF*
Keith Abercrombie, Chief Operating Officer *KA*

The **Engineering and Operations Committee** is scheduled to meet on **Thursday, April 4, 2019 at 5:30 PM at Rio Vista Water Treatment Plant** located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350 in the Training Room.

MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
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7.	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
8.	General Report on Engineering Services Section Activities	
9.	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 (661) 297-1600, or 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, California 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 March 22, 2019.



COMMITTEE MEMORANDUM

DATE: March 14, 2019
TO: Engineering and Operations Committee
FROM: Mike Alvord
 Director of Operations and Maintenance 
SUBJECT: Recommend Heavy Equipment Replacement Purchase

SUMMARY

Staff recommends the purchase of one (1) International Dump Truck equipped with a “valew” bed.

DISCUSSION

The Agency currently owns and operates six (6) dump trucks for construction and maintenance related duties. Four (4) of these are under the Santa Clarita Water Division and two (2) are under the Newhall Division (NWD). NWD’s Unit #27 has reached the end of its useful operating life and needs to be replaced. On average, a dump truck is used two (2) or more days per week for hauling various aggregate materials, pipe, and other appurtenances to and from repair and construction sites. The dump trucks are also used to tow trailers carrying backhoes or generators.

The Agency is experiencing increased usage of its dump trucks since they are now all able to provide service across the Regional Division and all three Retail Divisions.

Staff reviewed four (4) different styles and estimates.

WESTRUX INT’L, INC. (International)	FRED M BOERNER MOTOR CO (International)	WESTERN TRUCK EXCHANGE (International)	Kenworth/Peterbilt (or equivalent)
\$141,298.25	\$141,688.43	\$143,722.30	~\$150,000

In addition to soliciting quotes for a replacement purchase, staff investigated the option to rent a dump truck and calculated the payback time in years for the purchase. Below outlines current rental rates.

Frequency of Use	Rate	Annual Cost	Pay Off Purchase
104 days	\$475/day	\$49,400	2.6 years
52 weeks	\$1,900/week	\$98,800	1.3 years
12 Months	\$5,700/month	\$68,400	1.9 years

FINANCIAL CONSIDERATIONS

The estimate for the replacement of Unit #27 is \$141,298.25. Replacement of NWD's Unit #27 was included in the Santa Clarita Valley Water Agency – Newhall Division's 2018/2019 Fiscal Year Equipment Replacement Budget and there are adequate funds remaining for this purchase.

RECOMMENDATION

That the Engineering and Operations Committee recommends the Board of Directors authorize the General Manager to purchase one (1) International Dump Truck equipped with a "valew" bed in an amount not to exceed \$141,300.



COMMITTEE MEMORANDUM

DATE: March 22, 2019
TO: Engineering and Operations Committee
FROM: Brian J. Folsom, P.E. *BJF*
Chief Engineer
SUBJECT: Proposed FY 2019/20 and FY 2020/21 Capital Improvement Projects

SUMMARY

Attached are the proposed capital improvement projects for FY 2019/20 and FY 2020/21 for review and consideration.

FINANCIAL CONSIDERATIONS

Revenue sources to fund these projects will be considered separately by the Finance and Administration Committee. Sources may include SCV Water's share of the 1% property taxes, facility capacity fees, wholesale water rates and settlement payments from litigation.

RECOMMENDATION

The capital improvement project budgets are presented for review and comment only.

BJF

Attachments

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Proposed FY 2019/20 and FY 2020/21 Capital Improvement Projects

Regional Projects		Total Estimated Project Cost	FY 2019/20 Budget	FY 2020/21 Budget
Castaic Conduit		\$ 15,116,000	\$ 400,000	\$ 205,000
ESFP Clearwell/CT Improvements		\$ 8,606,000	\$ -	\$ -
ESFP Sludge Collection System		\$ 14,726,000	\$ 6,235,000	\$ 7,405,000
ESIPS Pipeline Improvements		\$ 4,107,000	\$ -	\$ -
Foothill Feeder Connection		\$ 4,950,000	\$ -	\$ -
Groundwater Treatment Improvements		\$ 3,216,000	\$ 340,000	\$ 2,585,000
Honby Parallel		\$ 25,489,000	\$ 140,000	\$ 150,000
Magic Mountain Pipeline No. 4		\$ 5,095,000	\$ 1,486,000	\$ -
Magic Mountain Pipeline No. 5		\$ 5,496,000	\$ 5,331,000	\$ -
Magic Mountain Pipeline No. 6		\$ 13,260,000	\$ 6,095,000	\$ 6,925,000
Magic Mountain Reservoir		\$ 29,927,000	\$ 170,000	\$ 315,000
Recycled Water Program Phase II, 2A - Central Park		\$ 15,394,000	\$ 5,000	\$ 5,000
Recycled Water Program Phase II, 2B - Vista Canyon		\$ 6,912,000	\$ 3,135,000	\$ 3,627,000
Recycled Water Program Phase II, 2C - South End		\$ 12,702,000	\$ 150,000	\$ 150,000
Recycled Water Program Phase II, 2D - West Ranch		\$ 2,077,000	\$ 985,000	\$ 578,000
Replacement Wells		\$ 11,161,000	\$ 1,070,000	\$ 4,030,000
Rosedale Rio Bravo Extraction		\$ 9,869,000	\$ 79,000	\$ 79,000
RV-2 Modifications		\$ 3,419,000	\$ -	\$ -
Saugus Formation Dry Year Reliability Wells		\$ 11,380,000	\$ 200,000	\$ 900,000
Update Water Conservation and Education Garden		\$ 1,400,000	\$ 110,000	\$ 110,000
		\$ 204,302,000	\$ 25,931,000	\$ 27,064,000
Retail Systems				
Pipelines & Pipeline Replacements				
LARC Pipeline	SCWD	\$ 775,000	\$ 715,000	\$ -
La Glorita Pipeline	SCWD	\$ 375,000	\$ -	\$ 50,000
Rainbow Glen Pipeline Improvements	SCWD	\$ 265,000	\$ -	\$ 265,000
Ridge Route Pipeline Relocation	NWD	\$ 358,000	\$ 358,000	\$ -
SC-2 Conversion to Gravity Feed	SCWD	\$ 305,000	\$ 305,000	\$ -
SC-12 Warmuth Pipeline	SCWD	\$ 575,000	\$ 50,000	\$ 525,000
SC-12 Service Connection	SCWD	\$ 340,000	\$ 340,000	\$ -
Sewer Pipeline Replacement (Sand Canyon)	NWD	\$ 400,000	\$ -	\$ 400,000
The Old Road Pipeline Replacement	NWD	\$ 510,000	\$ -	\$ 510,000
Valencia Marketplace Pipeline Replacement	VWD	\$ 450,000	\$ 450,000	\$ -
Vista Canyon Recycled Water Pipeline	SCWD	\$ 1,760,000	\$ 1,565,000	\$ 25,000
TBD	VWD	\$ 500,000	\$ -	\$ 500,000
Pump Stations				
Deane Pump Station	SCWD	\$ 1,000,000	\$ 820,000	\$ 180,000
Friendly Valley Booster Station	SCWD	\$ 1,175,000	\$ 25,000	\$ 400,000
Tanks				
Deane Tanks (Two 2.5 MG Tanks)	SCWD	\$ 5,000,000	\$ 2,550,000	\$ 2,375,000
Friendly Valley (3.25 MG)	SCWD	\$ 5,425,000	\$ 25,000	\$ 150,000
Golden Valley (1.6 MG)	SCWD	\$ 1,275,000	\$ 25,000	\$ 150,000
Newhall Tank 2 Internal/External Recoat	NWD	\$ 500,000	\$ 500,000	\$ -
Placerita (Two 1.6 MG Tanks)	SCWD	\$ 4,266,000	\$ 100,000	\$ 250,000
Wells				
V-160 Well Rehabilitation	VWD	\$ 460,000	\$ 230,000	\$ 230,000
		Distribution Sub-Total	\$ 25,714,000	\$ 8,058,000
		Total =	\$ 230,016,000	\$ 33,989,000
			\$ 33,989,000	\$ 33,074,000

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Santa Clarita Valley Water Agency
 Capital Improvement Budget - Regional Division
 FY 2019/20 and FY 2020/21 Budget



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CIP No.	Project Title	Project Category (A, B, C, D, E)	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
1	200903 Castaic Conduit	C	\$ 15,116,000	\$ 927,000	\$ 400,000	\$ 205,000
2	200010 Distribution System - RV-2 Modifications	A, B, C, E	\$ 3,419,000	\$ 3,419,000	\$ -	\$ -
3	200105 ESFP Clearwell/CT Improvements	C, E	\$ 8,606,000	\$ 8,606,000	\$ -	\$ -
4	200103 ESFP Sludge Collection System	C, E	\$ 14,726,000	\$ 1,086,000	\$ 6,235,000	\$ 7,405,000
5	200151 ESIPS Pipeline Improvements	C, E	\$ 4,107,000	\$ 4,107,000	\$ -	\$ -
6	200905 Foothill Feeder Connection**	C	\$ 4,950,000	\$ 4,950,000	\$ -	\$ -
7	200013 Groundwater Treatment Improvements	C	\$ 3,216,000	\$ 221,000	\$ 340,000	\$ 2,585,000
8	200510 Honby Parallel	C	\$ 25,489,000	\$ 2,536,000	\$ 140,000	\$ 150,000
9	200525 Magic Mountain Pipeline No. 4	C	\$ 5,095,000	\$ 3,609,000	\$ 1,486,000	\$ -
10	200526 Magic Mountain Pipeline No. 5	C	\$ 5,496,000	\$ 165,000	\$ 5,331,000	\$ -
11	200527 Magic Mountain Pipeline No. 6	C	\$ 13,260,000	\$ 240,000	\$ 6,095,000	\$ 6,925,000
12	200528 Magic Mountain Reservoir	C	\$ 29,927,000	\$ 137,000	\$ 170,000	\$ 315,000
13	200453 Recycled Water Program Phase II, 2A - Central Park	C	\$ 15,394,000	\$ 277,000	\$ 5,000	\$ 5,000
14	200454 Recycled Water Program Phase II, 2B - Vista Canyon	C	\$ 6,912,000	\$ 150,000	\$ 3,135,000	\$ 3,627,000
15	200455 Recycled Water Program Phase II, 2C - South End	C	\$ 12,702,000	\$ 833,000	\$ 150,000	\$ 150,000
16	200456 Recycled Water Program Phase II, 2D - West Ranch	C	\$ 2,077,000	\$ 514,000	\$ 985,000	\$ 578,000
17	200962 Replacement Wells*	A	\$ 11,161,000	\$ 375,000	\$ 1,070,000	\$ 4,030,000
18	200963 Saugus Formation Dry Year Reliability Wells**	C	\$ 11,380,000	\$ 221,000	\$ 200,000	\$ 900,000
19	200906 Rosedale Rio Bravo Extraction**	??	\$ 9,869,000	\$ 9,736,000	\$ 79,000	\$ 79,000
20	200964 Update Water Conservation and Education Garden	??	\$ 1,400,000	\$ 440,000	\$ 110,000	\$ 110,000
TOTAL			\$ 204,302,000	\$ 42,549,000	\$ 25,931,000	\$ 27,064,000

* The Budget for Replacement Wells is subject to reimbursement under the perchlorate settlement agreement. Reimbursement takes place in subsequent fiscal year.

** Project has been awarded Federal EPA or State Proposition 84 grant funding.

CATEGORY A: Asset Replacement
 CATEGORY B: Rehabilitation
 CATEGORY C: New Capital
 CATEGORY D: Technology Investments
 CATEGORY E: Upgrades

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**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION**

Project Title: Castaic Conduit Bypass Pipeline

CIP No. 200903

Description: Construction of a 54-inch diameter pipeline to replace the existing 36-inch diameter sections of the Castaic Conduit.

Category: C - New Capital

Purpose/Justification: Convey treated water from the treatment plants to various turnouts. Improve transmission system hydraulics, remove existing bottleneck.

Project Priority: Mid

Site Requirements: Public rights-of-way and pipeline easements will be obtained during design phase.

CEQA: A Mitigated Negative Declaration was adopted by the Board of Directors on March 9, 2011.

Project Schedule: FY 2019/20: Complete land acquisition.
FY 2020/21: Complete final design.
FY 2021/22: Initiate construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 102,000	\$ 102,000	\$ -	\$ -
Design (Including Bid Services)	1,430,000	825,000	400,000	205,000
Construction				
Construction Management and Engineering	1,369,000	-	-	-
Capital Construction Costs	12,185,000	-	-	-
Unforeseen / Changed Conditions	-	-	-	-
Design Changes (Resulting from RFI)	-	-	-	-
Owner-Initiated Changes	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	30,000	-	-	-
TOTAL	\$ 15,116,000	\$ 927,000	\$ 400,000	\$ 205,000

Notes:



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**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION**

Project Title: Distribution System – RV-2 Modifications

CIP No. 200010

Description: Replacement of existing 72 inch valve and construction of modifications to the existing Rio Vista Valve #2 facility.

Category: A - Asset Replacement
B - Rehabilitation
C - New Capital
E - Upgrades

Purpose/Justification: Control treated water system hydraulics. Improves operational flexibility and system reliability.

Project Priority: High

Site Requirements: Easements for the modified facility will be obtained during the design phase.

CEQA: Categorical Exemption (Class 2, Section 15302 of the California Environmental Quality Act Guidelines).

Project Schedule: FY 2018/19: Completed construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 142,000	\$ 142,000	\$ -	\$ -
Design (Including Bid Services)	610,000	610,000	-	-
Construction				
Construction Management and Engineering	415,000	415,000	-	-
Capital Construction Costs	2,221,000	2,221,000	-	-
Unforeseen / Changed Conditions	-	-	-	-
Design Changes (Resulting from RFI)	-	-	-	-
Owner-Initiated Changes	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	31,000	31,000	-	-
TOTAL	\$ 3,419,000	\$ 3,419,000	\$ -	\$ -

Notes:

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CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



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Project Title: Earl Schmidt Filtration Plant (ESFP) Clearwell/CT Improvements

CIP No. 200105

Description: Construction of a new disinfection contactor to improve disinfection contact time (CT) at the ESFP.

Category: C - New Capital
E - Upgrades

Purpose/Justification: Improves disinfection contact time at ESFP and provides increased assurance of operating permit compliance.

Project Priority: High

Site Requirements: ESFP property is held in fee by SCVWA.

CEQA: Categorical Exemption (Class 1, Section 15301 of the California Environmental Quality Act Guidelines).

Project Schedule: FY 2018/19: Completed construction and tracer study.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 52,000	\$ 52,000	\$ -	\$ -
Design (Including Bid Services)	673,000	673,000	-	-
Construction				
Construction Management and Engineering	1,150,000	1,150,000	-	-
Capital Construction Costs	6,471,000	6,471,000	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	260,000	260,000	-	-
TOTAL	\$ 8,606,000	\$ 8,606,000	\$ -	\$ -

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



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Project Title: Earl Schmidt Filtration Plant (ESFP) Sludge Collection System

CIP No. 200103

Description: Construction of new facilities and modifications to existing facilities to upgrade the ESFP wash water return and sludge collection system.

Category: C - New Capital
E - Upgrades

Purpose/Justification: Improves the operational reliability of the wash water return system and the maintenance of the sludge collection system.

Project Priority: High

Site Requirements: ESFP property is held in fee by SCVWA.

CEQA: Categorical Exemption (Class 1, Section 15301 of the California Environmental Quality Act Guidelines).

Project Schedule: FY 2019/20: Initiate construction.
FY 2020/21: Complete construction.

Projected Impact on Operating Costs: Less than \$8,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 191,000	\$ 191,000	\$ -	\$ -
Design (Including Bid Services)	900,000	865,000	35,000	-
Construction				
Construction Management and Engineering	1,495,000	30,000	700,000	765,000
Capital Construction Costs	12,120,000	-	5,500,000	6,620,000
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	20,000	-	-	20,000
TOTAL	\$ 14,726,000	\$ 1,086,000	\$ 6,235,000	\$ 7,405,000

Notes:



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**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION**

Project Title: Earl Schmidt Intake Pump Station (ESIPS) Pipeline Improvements

CIP No. 200151

Description: Construction of pipeline improvements to the ESIPS suction and discharge pipelines.

Category: C - New Capital
E - Upgrades

Purpose/Justification: Improve the reliability of the pipelines at the ESIPS.

Project Priority: High

Site Requirements: ESIPS property is held in fee by SCVWA.

CEQA: Categorical Exemption (Class 1, Section 15301 of the California Environmental Quality Act Guidelines).

Project Schedule: FY 2018/19: Completed construction.

Projected Impact on Operating Costs: No impact on operating costs is anticipated.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 150,000	\$ 150,000	\$ -	\$ -
Design (Including Bid Services)	281,000	281,000	-	-
Construction				
Construction Management and Engineering	593,000	593,000	-	-
Capital Construction Costs	3,083,000	3,083,000	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	-	-	-	-
TOTAL	\$ 4,107,000	\$ 4,107,000	\$ -	\$ -

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



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Project Title: Foothill Feeder Connection

CIP No. 200905

Description: Construction of a permanent turnout structure known as CLWA-01. Will replace the current temporary connection, which will be left in place as a back-up.

Category: C - New Capital

Purpose/Justification: Increases capacity of RVWTP deliveries from 93.4 cfs (60 MGD), to 140 cfs (90 MGD). Allows RVWTP to receive deliveries at its current permitted operating capacity.

Project Priority: High

Site Requirements: Public rights-of-way and pipeline easements have been obtained.

CEQA: RVWTP Expansion Project Environmental Impact Report certified by Board of Directors on June 28, 2006. Addendum approved on March 11, 2009.

Project Schedule: FY 2018/19: Completed construction.

Projected Impact on Operating Costs: No impact on operating costs is anticipated.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 10,000	\$ 10,000	\$ -	\$ -
Design (Including Bid Services)	184,000	184,000	-	-
Construction				
Construction Management and Engineering	1,046,000	1,046,000	-	-
Capital Construction Costs	3,128,000	3,128,000	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	582,000	582,000	-	-
TOTAL	\$ 4,950,000	\$ 4,950,000	\$ -	\$ -

Notes:
 Project will receive grant funds in the amount of \$1,500,000.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



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Project Title: Groundwater Treatment Plant Improvements

CIP No. 200964

Description: Design and construction of facilities at SPTF to remove VOCs from groundwater pumped from the Saugus Wells 1 and 2.

Category: C - New Capital

Purpose/Justification: VOCs would be removed to non-detect levels consistent with the perchlorate plant's operational goal.

Project Priority: High

Site Requirements: Adjacent to the SPTF at RVIPS.

CEQA: Environmental documentation will be completed prior to the award of a final design contract.

Project Schedule: FY 2018/19: CERCLA investigatory and public participation process.
 FY 2019/20: Perform final design.
 FY 2020/21: Initiate and complete construction.

Projected Impact on Operating Costs: About \$50,000/year for GAC replacement. Additional electrical costs TBD.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 339,000	\$ 139,000	\$ 200,000	\$ -
Design (Including Bid Services)	307,000	82,000	140,000	85,000
Construction				
Construction Management and Engineering	400,000	-	-	400,000
Capital Construction Costs	2,000,000	-	-	2,000,000
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	170,000	-	-	100,000
TOTAL	\$ 3,216,000	\$ 221,000	\$ 340,000	\$ 2,585,000

Notes:



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**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION**

Project Title: Honby Parallel – Phase 2

CIP No. 200510

Description: Construction of a 60-inch diameter pipeline to replace the existing 33-inch and 36-inch diameter pipelines from the end of the Honby Parallel Phase 1 pipeline to the Sand Canyon Pump Station.

Category: C - New Capital

Purpose/Justification: Convey treated water to the eastern portion of the service area. Improve transmission system hydraulics and remove existing bottleneck.

Project Priority: Mid

Site Requirements: Public rights-of-way and pipeline easements will be obtained during design phase.

CEQA: An Environmental Impact Report (EIR) was certified by the Board of Directors on July 13, 2005.

Project Schedule: FY 2019/20: Complete land acquisition and continue design.
FY 2020/21: Continue design.
FY 2021/22: Complete design.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 459,000	\$ 459,000	\$ -	\$ -
Design (Including Bid Services)	1,455,000	920,000	140,000	150,000
Construction				
Construction Management and Engineering	3,131,000	194,000	-	-
Capital Construction Costs	19,200,000	53,000	-	-
Unforeseen / Changed Conditions	-	-	-	-
Design Changes (Resulting from RFI)	-	-	-	-
Owner-Initiated Changes	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	1,244,000	910,000	-	-
TOTAL	\$ 25,489,000	\$ 2,536,000	\$ 140,000	\$ 150,000

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



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Project Title: Magic Mountain Pipeline No. 4

CIP No. 200525

Description: Construction of a pipeline to convey imported water from the end of the existing Magic Mountain Pipeline Phase 3 to the beginning of the proposed Magic Mountain Pipeline Phase 5.

Category: C - New Capital

Purpose/Justification: Provides facilities to convey imported water to the western portion of the service area.

Project Priority: High

Site Requirements: Pipeline will be constructed in public rights-of-way and easements.

CEQA: Notice of Determination filed in FY 2014/15.

Project Schedule: FY 2019/20: Complete construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 5,000	\$ 5,000	\$ -	\$ -
Design (Including Bid Services)	234,000	234,000	-	-
Construction				
Construction Management and Engineering	786,000	568,000	218,000	-
Capital Construction Costs	4,055,000	2,802,000	1,253,000	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc.)	15,000	-	15,000	-
TOTAL	\$ 5,095,000	\$ 3,609,000	\$ 1,486,000	\$ -

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Magic Mountain Pipeline No. 5

CIP No. 200526

Description: Construction of a pipeline to convey imported water from the end of the proposed Magic Mountain Pipeline Phase 4 to the beginning of the proposed Magic Mountain Pipeline Phase 6.

Category: C - New Capital

Purpose/Justification: Provides facilities to convey imported water to the western portion of the service area.

Project Priority: High

Site Requirements: Pipeline will be constructed in public rights-of-way.

CEQA: Notice of Determination filed in FY 2014/15.

Project Schedule: FY 2019/20: Complete construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ -	\$ -	\$ -	\$ -
Design (Including Bid Services)	150,000	150,000	-	-
Construction				
Construction Management and Engineering	781,000	15,000	766,000	-
Capital Construction Costs	4,555,000	-	4,555,000	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc.)	10,000	-	10,000	-
TOTAL	\$ 5,496,000	\$ 165,000	\$ 5,331,000	\$ -

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Magic Mountain Pipeline No. 6

CIP No. 200527

Description: Construction of a pipeline to convey imported water from the end of the proposed Magic Mountain Pipeline Phase 5 to the proposed Magic Mountain Reservoir site.

Category: C - New Capital

Purpose/Justification: Provides facilities to convey imported water to the western portion of the service area.

Project Priority: High

Site Requirements: Pipeline will be constructed in public rights-of-way and easements.

CEQA: Notice of Determination filed in FY 2014/15.

Project Schedule: FY 2019/20: Phase 6A Pipeline: complete construction. Phase 6B Pipeline: complete design.
 FY 2020/21: Phase 6B Pipeline: complete construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 5,000	\$ 5,000	\$ -	\$ -
Design (Including Bid Services)	400,000	235,000	165,000	-
Construction				
Construction Management and Engineering	1,720,000	-	860,000	860,000
Capital Construction Costs	11,105,000	-	5,055,000	6,050,000
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc.)	30,000	-	15,000	15,000
TOTAL	\$ 13,260,000	\$ 240,000	\$ 6,095,000	\$ 6,925,000

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Magic Mountain Reservoir

CIP No. 200528

Description: Construction of a 5.7 MG reservoir and pump station for the western portion of the service area.

Category: C - New Capital

Purpose/Justification: Provides facilities to store imported water in the western portion of the service area.

Project Priority: Mid

Site Requirements: Reservoir will be constructed on property obtained in fee.

CEQA: Environmental documentation requirements will be addressed during the planning phase.

Project Schedule: FY 2019/20: Perform planning.
FY 2020/21: Complete planning and initiate design.

Projected Impact on Operating Costs: To be determined during the planning phase.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 507,000	\$ 137,000	\$ 170,000	\$ 200,000
Design (Including Bid Services)	4,600,000	-	-	115,000
Construction				
Construction Management and Engineering	6,350,000	-	-	-
Capital Construction Costs	18,200,000	-	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc.)	270,000	-	-	-
TOTAL	\$ 29,927,000	\$ 137,000	\$ 170,000	\$ 315,000

Notes:



DRAFT

**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION**

Project Title: Recycled Water Program Phase 2A – Central Park

CIP No. 200453

Description: Construction of new facilities to expand recycled water service from the Valencia Water Reclamation Plant to Central Park, and serve users in central Valencia and Saugus portions of the service area.

Category: C - New Capital

Purpose/Justification: Expand recycled water service to additional water customers.

Project Priority: Low

Site Requirements: Rio Vista Water Treatment Plant (RWWT) site, public rights-of-way encroachments, and easements or land purchases that will be obtained during the design phase.

CEQA: A Mitigated Negative Declaration was adopted by the Board of Directors on December 13, 2017.

Project Schedule: FY 2019/20: Pursue grant funding.

Projected Impact on Operating Costs: Approximately \$75,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 240,000	\$ 240,000	\$ -	\$ -
Design (Including Bid Services)	1,322,000	35,000	5,000	5,000
Construction				
Construction Management and Engineering	1,252,000	-	-	-
Capital Construction Costs	12,520,000	-	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	60,000	2,000		
TOTAL	\$ 15,394,000	\$ 277,000	\$ 5,000	\$ 5,000

Notes:
Current estimated total project cost represents Regional Division's share of estimated project costs (backbone system only). Current total estimated project cost for Phase 2A = \$18,755,000. Regional Division's share of project cost = \$15,394,000.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Recycled Water Program Phase 2B – Vista Canyon

CIP No. 200454

Description: Construction of new facilities to expand recycled water service from proposed Vista Canyon Water Factory to customers in eastern portion of service area.

Category: C - New Capital

Purpose/Justification: Expand recycled water service to additional water customers.

Project Priority: High

Site Requirements: Public rights-of-way encroachments, and easements or land purchases that will be identified during the planning phase.

CEQA: A Mitigated Negative Declaration was adopted by the Board of Directors on November 20, 2017.

Project Schedule: FY 2019/20: Complete design and initiate construction.
 FY 2020/21: Complete construction.

Projected Impact on Operating Costs: Approximately \$75,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 100,000	\$ 100,000	\$ -	\$ -
Design (Including Bid Services)	210,000	25,000	185,000	-
Construction				
Construction Management and Engineering	400,000	25,000	200,000	175,000
Capital Construction Costs	6,180,000	-	2,750,000	3,430,000
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	22,000	-		22,000
TOTAL	\$ 6,912,000	\$ 150,000	\$ 3,135,000	\$ 3,627,000

Notes:
 Current estimated total project cost represents Regional Division's share of estimated project costs (backbone system only).
 Current total estimated project cost for Phase 2B = \$8,672,000. Regional Division's share of project cost = \$6,912,000.
 Project will receive grant funds in the amount of \$2,710,300.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Recycled Water Program Phase 2C – South End

CIP No. 200455

Description: Construction of new facilities to expand recycled water service from Valencia Water Reclamation Plant toward the south end of the service area.

Category: C - New Capital

Purpose/Justification: Expand recycled water service to additional water customers.

Project Priority: Mid

Site Requirements: Public rights-of-way and pipeline easements will be obtained during design phase.

CEQA: A Mitigated Negative Declaration was adopted by the Board of Directors on August 23, 2017.

Project Schedule: FY 2019/20: Perform design.
 FY 2020/21: Perform design.

Projected Impact on Operating Costs: Approximately \$75,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 383,000	\$ 383,000	\$ -	\$ -
Design (Including Bid Services)	770,000	450,000	150,000	150,000
Construction				
Construction Management and Engineering	1,200,000	-	-	-
Capital Construction Costs	10,309,000	-	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	40,000	-	-	-
TOTAL	\$ 12,702,000	\$ 833,000	\$ 150,000	\$ 150,000

Notes:

Current estimated total project cost represents Regional Division's share of estimated project costs (backbone system only). Current total estimated project cost for Phase 2C = \$15,752,000. Regional Division's share of project cost = \$12,702,000.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Recycled Water Program Phase 2D – West Ranch

CIP No. 200456

Description: Construction of new facilities to expand recycled water service from the existing Recycled Water Reservoir #1 toward the west end of the service area.

Category: C - New Capital

Purpose/Justification: Expand recycled water service to additional water customers.

Project Priority: Mid

Site Requirements: Public rights-of-way and pipeline easements will be obtained during design phase.

CEQA: A Mitigated Negative Declaration was adopted by the Board of Directors on July 26, 2017.

Project Schedule: FY 2019/20: Complete design and initiate construction.
FY 2020/21: Complete construction.

Projected Impact on Operating Costs: Less than \$75,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 130,000	\$ 130,000	\$ -	\$ -
Design (Including Bid Services)	442,000	382,000	60,000	-
Construction				-
Construction Management and Engineering	300,000	2,000	175,000	123,000
Capital Construction Costs	1,200,000		750,000	450,000
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	5,000	-	-	5,000
TOTAL	\$ 2,077,000	\$ 514,000	\$ 985,000	\$ 578,000

Notes:
Current estimated total project cost represents Regional Division's share of estimated project costs (backbone system only).
Current total estimated project cost for Phase 2D = \$3,625,000. Regional Division's share of Phase 2D project cost = \$2,077,000.
Project will receive grant funds in the amount of \$1,806,900.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Replacement Wells

CIP No. 200962

Description: Construction of two 2,000 gpm Saugus Formation wells and associated pipelines to convey water to the Agency's distribution system.

Category: A - Asset Replacement

Purpose/Justification: Will replace capacity lost to perchlorate contamination.

Project Priority: High

Site Requirements: Well sites to be provided by Five Point. Easements will be obtained during final design phase.

CEQA: CEQA documents will be prepared and presented prior to the design phase.

Project Schedule: FY 2018/19: Final design and right of way acquisition.
FY 2019/20: Construction of wells and pipeline.
FY 2020/21: Construction of wells and pipeline.

Projected Impact on Operating Costs: TBD

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 223,000	\$ 223,000		
Design (Including Bid Services)	747,000	152,000	300,000	295,000
Construction				
Construction Management and Engineering	1,000,000		170,000	585,000
Capital Construction Costs	8,691,000		600,000	3,000,000
<i>Unforeseen / Changed Conditions Design Changes (Resulting from RFI)</i>				
<i>Owner-Initiated Changes</i>				
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	500,000			150,000
TOTAL	\$ 11,161,000	\$ 375,000	\$ 1,070,000	\$ 4,030,000

Notes:
Up to \$8.3 million will be reimburseable from Whittaker-Bermite in accordance with Amendment 5 of the Whittaker-Bermite Settlement Agreement.

**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION**

Project Title: Saugus Formation Dry Year Reliability Wells

CIP No. 200963

Description: Two wells capable of producing water at the combined rate of 4,200 gpm and associated pipelines to convey water to the Agency's distribution system.

Category: C - New Capital

Purpose/Justification: Provide water to make up for production lost during dry periods.

Project Priority: Low

Site Requirements: Well sites to be provided by Five Point. Easements will be obtained during final design phase.

CEQA: CEQA documentation will be prepared during planning phase.

Project Schedule: FY 2018/19: Coordinate with Groundwater Sustainability Act (GSA) activities.

Projected Impact on Operating Costs: TBD. Pumping, disinfection and maintenance costs will be incurred but will be offset by reduced costs of importing and treating surface water supplies.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 389,000	\$ 139,000	\$ 200,000	\$ -
Design (Including Bid Services)	800,000	82,000	-	500,000
Construction				
Construction Management and Engineering	1,000,000		-	100,000
Capital Construction Costs	8,691,000		-	300,000
<i>Unforeseen / Changed Conditions Design Changes (Resulting from RFI) Owner-Initiated Changes</i>				
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	500,000		-	-
TOTAL	\$ 11,380,000	\$ 221,000	\$ 200,000	\$ 900,000

Notes:
Project on hold pending groundwater modeling and outcome from GSA related activities.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION



DRAFT

Project Title: Rosedale-Rio Bravo Extraction Project

CIP No. 200906

Description: Construction of groundwater wells and conveyance systems by Rosedale-Rio Bravo Water Storage District to recover Agency water stored in the Rosedale-Rio Bravo Water Banking and Exchange Program.

Category: [REDACTED]

Purpose/Justification: Recover Agency stored groundwater for dry-year water delivery to Agency service area (up to 7,500 AFY).

Project Priority: [REDACTED]

Site Requirements: Well site and conveyance facility sites owned or to be acquired by Rosedale-Rio Bravo Water Storage District.

CEQA: Agency environmental compliance covered by existing RRB Banking Program EIR.

Project Schedule: FY 2018/19: Final equipping of six wells anticipated to be completed in February 2019. SCVWA is anticipated to be able to draw water from facility in FY 2018/19 if necessary. Project scheduled to be completed in FY 2018/19. SCV Water funds 1/3 cost of Stockdale East wells and pipeline costs for design, project management, admin, permitting, inspection, easement acquisition per March 2015 cost share agreement.
FY 19/20 and FY 20/21

Projected Impact on Operating Costs: Not applicable.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 110,000	\$ 110,000	\$ 63,500	\$ 39,500
Design (Including Bid Services)	125,000	125,000	63,500	39,500
Capital Construction Costs	8,656,000	8,656,000	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	460,000	460,000	-	-
TOTAL	\$ 9,869,000	\$ 9,736,000	\$ 127,000	\$ 79,000

Notes: Justification for budget changes.

The March 9, 2015 Drought Relief Project Cost Sharing Agreement between SCV Water, Irvine Ranch Water District, and Rosedale Rio Bravo Water Storage District requires SCV Water share costs associated with design, project management, admin, permitting, inspection and property and easement acquisition for the Stockdale East Wellfield and Pipelines. The



DRAFT

**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - REGIONAL DIVISION**

Project Title: Update Water Conservation and Education Garden

CIP No. 200013

Description: Refurbishment of the existing Conservatory Garden at RVWTP.

Category: [REDACTED]

Purpose/Justification: Educating the public on the value of water.

Project Priority: [REDACTED]

Site Requirements: Existing RVWTP garden site.

CEQA: Exempt.

Project Schedule: FY 2018/19: Capital Construction
 FY 2019/20: Planning and Conceptual Design, Design, Construction Mgmt., Capital Construction
 FY 2020/21: Additional Project Delivery Costs

Projected Impact on Operating Costs: None

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 75,000	\$ -	\$ 75,000	\$ -
Design (Including Bid Services)	75,000		75,000	
Construction	-			
Construction Management and Engineering	100,000		100,000	
Capital Construction Costs	1,040,000	440,000	600,000	-
Unforeseen / Changed Conditions	-			
Design Changes (Resulting from RFI)	-			
Owner-Initiated Changes	-			
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	110,000			110,000
TOTAL	\$ 1,400,000	\$ 440,000	\$ 850,000	\$ 110,000

Notes:
 Current estimated project cost is \$1.4 million to include demolition, design, construction, and post-construction education support. Conservation updated Water Resources Committee at Feb. 13, 2019 meeting.

Santa Clarita Valley Water Agency
 Capital Improvement Budget - Regional Division
 FY 2019/20 and FY 2020/21 Budget



DRAFT

CIP No.	Project Title	Project Category (A, B, C, D, E)	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
1	Deane Pump Station	C	\$ 1,000,000	\$ -	\$ 820,000	\$ 180,000
2	Los Angeles Residential Community (LARC) Pipeline	C	\$ 775,000	\$ 60,000	\$ 715,000	\$ -
3	3.25 MG Friendly Valley Tank	C	\$ 5,425,000	\$ -	\$ 25,000	\$ 150,000
4	Two 2.5 MG Deane Tanks	C	\$ 5,000,000	\$ 75,000	\$ 2,550,000	\$ 2,375,000
5	1.6 MG Golden Valley Tank	C	\$ 1,275,000	\$ -	\$ 25,000	\$ 150,000
6	Two 1.6 MG Placerita Tanks	C	\$ 4,266,000	\$ 116,000	\$ 100,000	\$ 250,000
7	Recycled Water Program Phase 2B - Vista Canyon Extension - Distribution	C	\$ 1,760,000	\$ 170,000	\$ 1,565,000	\$ 25,000
8	Friendly Valley Booster Station	C	\$ 1,175,000	\$ -	\$ 25,000	\$ 400,000
9	La Glorita Pipeline	E	\$ 375,000	\$ -	\$ -	\$ 50,000
11	SC-12 Warmuth Pipeline to Canyon	C	\$ 575,000	\$ -	\$ 50,000	\$ 525,000
12						
13						
14						
15						
16						
17						
18						
19						
20						
TOTAL			\$ 21,626,000	\$ 421,000	\$ 5,875,000	\$ 4,105,000

CATEGORY A: Asset Replacement
 CATEGORY B: Rehabilitation
 CATEGORY C: New Capital
 CATEGORY D: Technology Investments
 CATEGORY E: Upgrades

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SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: Deane Pump Station (SCWD)

CIP No. S17701

Description: Construct new booster pump station from North Oaks Zone to Deane Zone.

Category: C - New Capital

Purpose/Justification: To improve emergency refill pumping rates per SCWD 2013 Water Master Plan.

Project Priority: High

Site Requirements: Developer will provide land and graded pad as part of Tract 60922.

CEQA: Prepared by Developer for Tract 60922.

Project Schedule: FY 2019/20: Perform design and initiate construction.
 FY 2020/21 Complete construction.

Projected Impact on Operating Costs: Estimated annual Operating Costs are \$75,000.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ -	\$ -	\$ -	\$ -
Design (Including Bid Services)	\$ 150,000		\$ 150,000	
Construction	-		\$ -	\$ -
Construction Management and Engineering	\$ 85,000		\$ 70,000	\$ 15,000
Capital Construction Costs	\$ 765,000		\$ 600,000	\$ 165,000
<i>Unforeseen / Changed Conditions</i> <i>Design Changes (Resulting from RFI)</i> <i>Owner-Initiated Changes</i>				
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)				
TOTAL	\$ 1,000,000	\$ -	\$ 820,000	\$ 180,000

Notes:
 CIP Budget reflects SCV Water portion of pump station capacity for emergency refill improvements identified in SCWD 2013 Water Master Plan and September 5, 2017 Planning Phase Technical Memo for Tract 60922.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: Los Angeles Residential Community (LARC) Pipeline (SCWD)

CIP No. S16701

Description: Construct 9,500 linear feet of 12-inch diameter pipeline in Bouquet Canyon Road from Shadow Valley Lane to LARC.

Category: C - New Capital

Purpose/Justification: Provide potable water service to LARC with extra pipeline capacity to allow for service to other existing developments along the pipeline route.

Project Priority: High

Site Requirements: Pipeline will be installed in public right-of-way.

CEQA: Mitigated Negative Declaration was adopted by CLWA's Board of Directors on March 8, 2017.

Project Schedule: FY 2019/20: Complete final design and perform construction.
 FY 2020/21: No project activity.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 25,000	\$ 10,000	\$ 15,000	\$ -
Design (Including Bid Services)	75,000	50,000	25,000	-
Construction				
Construction Management and Engineering	25,000		25,000	
Capital Construction Costs	\$ 625,000	-	\$ 625,000	\$ -
<i>Unforeseen / Changed Conditions Design Changes (Resulting from RFI)</i>	-			
<i>Owner-Initiated Changes</i>	\$ -		\$ -	
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	25,000		25,000	
TOTAL	\$ 775,000	\$ 60,000	\$ 715,000	\$ -

Notes:
 Budget assumes LARC portion is funded by SWRCB Grant. Budget represents SCV Water's portion of project costs to upsize from 8-inch to 12-inch pipeline to provide water service to other existing developments along pipeline route.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: 3.25 MG Friendly Valley Tank (SCWD)

CIP No. S17607

Description: Construct 3.25 MG Storage Tank in Friendly Valley Zone.

Category: C - New Capital

Purpose/Justification: Improve emergency storage in Friendly Valley Zone per SCWD 2013 Water Master Plan.

Project Priority: Mid

Site Requirements: Developer will provide land and graded pad as part of Tract development.

CEQA: CEQA EIR will be prepared by City for the Princessa Crossroads Development.

Project Schedule: FY 2019/20: Prepare planning analysis.
 FY 2020/21: Perform design.
 FY 2021/22: Initiate construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 25,000		\$ 25,000	
Design (Including Bid Services)	150,000		-	150,000
Construction				
Construction Management and Engineering	250,000	-	-	-
Capital Construction Costs	5,000,000	-	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)			-	-
TOTAL	\$ 5,425,000	\$ -	\$ 25,000	\$ 150,000

Notes:
 CIP budget is SCV Water's estimated portion of the storage to meet design criteria in the Friendly Valley Zone as identified in the 2013 SCWD Water Master Plan. The developer will fund their portion of the storage needed for new demands from the Princessa Crossroads Development.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: Two 2.5 MG Deane Tanks

CIP No. S17702

Description: Construct two 2.5 MG tanks in Deane Zone.

Category: C - New Capital

Purpose/Justification: Improve emergency storage capacity in Deane Zone per SCWD 2013 Water Master Plan.

Project Priority: High

Site Requirements: Developer will provide land and graded pad as part of Tract 60922.

CEQA: Developer included in approved CEQA documentation for Tract 60922.

Project Schedule: FY 2019/20: Complete design, construct first tank.
FY 2020/21: Construct second tank.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design			\$ -	\$ -
Design (Including Bid Services)	250,000	75,000	175,000	-
Construction				
Construction Management and Engineering	250,000		125,000	125,000
Capital Construction Costs	4,500,000		2,250,000	2,250,000
<i>Unforeseen / Changed Conditions</i>				
<i>Design Changes (Resulting from RFI)</i>				
<i>Owner-Initiated Changes</i>				
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)			-	-
TOTAL	\$ 5,000,000	\$ 75,000	\$ 2,550,000	\$ 2,375,000

Notes:
CIP budget is for SCV Water's portion of the storage to meet design criteria in the Deane Zone as identified in the 2013 SCWD Water Master Plan. The developer will fund their portion of the storage needed for new demands from Tract 69022.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: 1.6 MG Golden Valley Tank (SCWD)

CIP No. S17607

Description: Construct 1.6 MG Storage Tank in Golden Valley Zone.

Category: C - New Capital

Purpose/Justification: Improve emergency storage in Golden Valley Zone per SCWD 2013 Water Master Plan.

Project Priority: Mid

Site Requirements: Tank will be located at existing Golden Valley Tank Site.

CEQA: CEQA EIR will be prepared by City for the Princess Crossroads Development.

Project Schedule: FY 2019/20: Prepare planning analysis.
 FY 2020/21: Perform design.
 FY 2021/22: Initiate construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 25,000		\$ 25,000	
Design (Including Bid Services)	150,000		-	150,000
Construction				
Construction Management and Engineering	100,000	-	-	-
Capital Construction Costs	1,000,000	-	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)			-	-
TOTAL	\$ 1,275,000	\$ -	\$ 25,000	\$ 150,000

Notes:
 CIP budget is SCV Water's estimated portion of the storage to meet design criteria in the Golden Valley Zone as identified in the 2013 SCWD Water Master Plan. The developer will fund their portion of the storage needed for new demands from the Princessa Crossroads Development.

**SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS**



DRAFT

Project Title: Two 1.6 MG Placerita Tanks (SCWD)

CIP No.

Description: Construct two 1.6 MG tanks in Placerita Zone.

Category: C - New Capital

Purpose/Justification: Improve emergency storage in Placerita Zone per SCWD 2013 Water Master Plan criteria.

Project Priority: Mid

Site Requirements: Tanks will be located on 5 acres of land acquired by SCV Water.

CEQA: SCV Water will prepare CEQA documents.

Project Schedule:
 FY 2019/20: Prepare CEQA documentation.
 FY 2020/21: Perform design.
 FY 2021/22: Initiate construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 216,000	\$ 116,000	\$ 100,000	
Design (Including Bid Services)	250,000			250,000
Construction				
Construction Management and Engineering				
Capital Construction Costs	3,800,000			
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes (land acquisition)</i>	65,000	65,000	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)				
TOTAL	\$ 4,266,000	\$ 116,000	\$ 100,000	\$ 250,000

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: Recycled Water Program Phase 2B – Vista Canyon Extension - Distribution (SCWD)

CIP No. S16702

Description: Construction of new distribution facilities to expand recycled water service from the Vista Canyon Water Factory to customers in the eastern portion of SCWD service area, including customer

Category: C - New Capital

Purpose/Justification: Expand recycled water service to existing irrigation customers to offset potable water demands.

Project Priority: High

Site Requirements: Pipelines will be constructed in public right of way and easements.

CEQA: Mitigated Negative Declaration was adopted by CLWA's Board of Directors on November 20, 2017.

Project Schedule: FY 2019/20: Initiate construction of distribution pipelines and retrofits.
 FY 2020/21: Complete construction of retrofits.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 20,000	\$ 20,000	\$ -	\$ -
Design (Including Bid Services)	150,000	150,000	-	-
Construction				
Construction Management and Engineering	140,000	-	140,000	
Capital Construction Costs	1,400,000	-	1,400,000	
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)	50,000		25,000	25,000
TOTAL	\$ 1,760,000	\$ 170,000	\$ 1,565,000	\$ 25,000

Notes:
 Estimated costs are for Phase 2B distribution system only, and represent SCWD's share of estimated total Phase 2B project cost of \$8,672,000 for backbone and distribution systems. Project is expected to receive \$2,710,300 in grant funds from Department of Water Resources.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: Friendly Valley Booster Station (SCWD)

CIP No. S17607

Description: Construct new booster pump station from Honby Zone to Friendly Valley Zone.

Category: C - New Capital

Purpose/Justification: To improve emergency refill pumping rates to meet design criteria in SCWD 2013 Water Master Plan

Project Priority: Mid

Site Requirements: SCV Water will coordinate with City and developer on purchase of new land for pump station.

CEQA: CEQA EIR will be prepared by City for the Princessa Crossroads Development.

Project Schedule: FY 2019/20: Prepare planning analysis.
 FY 2020/21: Perform design.
 FY 2021/22: Initiate construction.

Projected Impact on Operating Costs: Estimated annual operating costs are \$75,000.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ 25,000		\$ 25,000	\$ -
Design (Including Bid Services)	150,000			150,000
Construction				
Construction Management and Engineering			-	-
Capital Construction Costs	1,000,000	-	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes (Land Acquisition)</i>	-	-	-	250,000
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)		-	-	-
TOTAL	\$ 1,175,000	\$ -	\$ 25,000	\$ 400,000

Notes:
 CIP budget is SCV Water's estimated portion of the pump station capacity to meet design criteria in the 2013 SCWD Water Master Plan. The developer will fund their portion of the pump station capacity for new demands from the Princessa Crossroads Development.

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: La Glorita Pipeline (SCWD)

CIP No.

Description: Construct distribution piping improvements in La Glorita and Avenida Doerna. Scope includes replacing upgrading 1650 feet of 8-inch pipe to 12-inch and installing 12-inch jumper at the intersection of Wiley Canyon Road and Lyons Avenue.

Category: E - Upgrades

Purpose/Justification: Improve fire flow availability.

Project Priority: Mid

Site Requirements: Construction will be in Public Right of Way.

CEQA: Exempt.

Project Schedule: FY 2019/20: No project activity.
 FY 2020/21: Perform design.
 FY 2021/22: Initiate construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design			\$ -	\$ -
Design (Including Bid Services)	50,000			50,000
Construction				
Construction Management and Engineering	25,000	-	-	-
Capital Construction Costs	300,000	-	-	-
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc)				
TOTAL	\$ 375,000	\$ -	\$ -	\$ 50,000

Notes:

SCV WATER
CAPITAL IMPROVEMENT BUDGET - MAJOR CAPITAL PROJECTS
FY 2019/20 and FY 2020/21 - RETAIL DIVISIONS



DRAFT

Project Title: SC-12 Warmuth Pipeline To Sand Canyon (SCWD)

CIP No.

Description: Construct 4,000 feet of 16-inch pipe in Rolling Hills Avenue and Warmuth Drive to connect SC-12 booster pumps to Placerita Zone pipeline in Sand Canyon Road.

Category: C - New Capital

Purpose/Justification: Improve operational reliability and emergency refill pumping capacity in Placerita Zone.

Project Priority: Mid

Site Requirements: Pipeline will be constructed in public rights-of-way and easements.

CEQA: Exempt.

Project Schedule: FY 2019/20: Perform design.
FY 2020/21: Initiate and complete construction.

Projected Impact on Operating Costs: Less than \$5,000 per year.

Category	Current Estimated Total Project Cost	Cumulative Estimated Expenditures through June 30, 2019	FY 2019/20 Budget	FY 2020/21 Budget
Planning and Conceptual Design	\$ -	\$ -	\$ -	\$ -
Design (Including Bid Services)	50,000		50,000	
Construction				
Construction Management and Engineering	25,000	-	-	25,000
Capital Construction Costs	500,000	-	-	500,000
<i>Unforeseen / Changed Conditions</i>	-	-	-	-
<i>Design Changes (Resulting from RFI)</i>	-	-	-	-
<i>Owner-Initiated Changes</i>	-	-	-	-
Additional Project Delivery Costs (Post-Construction Activities, Monitoring and Mitigation, etc.)		-	-	-
TOTAL	\$ 575,000	\$ -	\$ 50,000	\$ 525,000

Notes:

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**OPERATIONS AND MAINTENANCE SERVICES SECTION
MAJOR CAPITAL IMPROVEMENT PROGRAM (> \$250,000)**

	NEWHALL		SANTA CLARITA		VALENCIA	
	FY 2019/2020	FY 2020/2021	FY 2019/2020	FY 2020/2021	FY 2019/2020	FY 2020/2021
Well Facility Improvements						
Well 160	\$0	\$0	\$0	\$0	\$230,000	\$230,000
	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$230,000</u>	<u>\$230,000</u>
Tank Facility Improvements						
Recoat/Repairs (NWD N Tank 2)	\$500,000					
	<u>\$500,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Booster Station/Turnout Improvements						
SC-12			\$340,000			
	<u>\$0</u>	<u>\$0</u>	<u>\$340,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Pipeline Replacements						
Ridge Route Rd	\$358,000					
Pothole Survey Sand Cyn Sewer/Construct		\$400,000				
The Old Road between Pinto and Victoria		\$510,000				
Rainbow Glen				\$265,000		
SC-2 Gravity			\$305,000			
Valencia Marketplace					\$450,000	
	<u>\$358,000</u>	<u>\$910,000</u>	<u>\$305,000</u>	<u>\$265,000</u>	<u>\$450,000</u>	<u>\$0</u>
TOTAL MAJOR CIP BUDGET	\$858,000	\$910,000	\$645,000	\$265,000	\$680,000	\$230,000

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Engineering Services Section
Regional Capital Improvement Projects

Updated March 18, 2019

Projects	Category. See below for description	Current Estimated Total Project Cost	2019		2020				2021				2022				2023				2024				2025				2026			
			Jan	Mar	Jun	Sep	Jan	Mar	Jun	Sep	Jan	Mar	Jun	Sep	Jan	Mar	Jun	Sep	Jan	Mar	Jun	Sep	Jan	Mar	Jun	Sep	Jan	Mar	Jun	Sep	Jan	Mar
			FY 2018/19		FY 2019/20				FY 2020/21				FY 2021/22				FY 2022/23				FY 2023/24				FY 2024/25				FY 2025/26			
			3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
1 Magic Mountain Pipeline No. 4	C	\$ 5,095,000		C																												
2 Magic Mountain Pipeline No. 5	C	\$ 5,496,000		C																												
3 Recycled Water Program Phase II, 2B, Vista Canyon	C	\$ 6,912,000		D		C		S																								
4 Recycled Water Program Phase II, 2D, West Ranch	C	\$ 2,077,000		D		C		S																								
5 Magic Mountain Pipeline No. 6	C	\$ 13,260,000		D		C																										
6 ESFP Sludge Collection System	C, E	\$ 14,726,000		D		C																										
7 Replacement Wells (Reimbursable)	A	\$ 11,161,000				D		C																								
8 Saugus Formation Dry Year Reliability Wells	C	\$ 10,380,000				P		D		C																						
9 Groundwater Treatment Improvements	E	\$ 3,216,000						D		C																						
10 Castaic Conduit	C	\$ 15,116,000				RW		D		C																						
11 Recycled Water Program Phase II 2C, South End	C	\$ 12,702,000		RW		D				C		S																				
12 Magic Mountain Reservoir	C	\$ 29,927,000				P		D		RW		D		C																		
13 Honby Parallel	C	\$ 25,489,000				RW		D						C																		
14 Recycled Water Program Phase II, 2A, Central Park	C	\$ 15,394,000				D								D		C		S														
15 Southern Service Area Emergency Storage	C	\$ 61,766,000								P		D		RW		D		C														
16 Sand Canyon Reservoir Expansion	C	\$ 17,692,000								P		D		RW		D		C														
Total Estimated Cost		\$ 250,409,000																														

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Category A = Asset Replacement
 Category B = Rehabilitation
 Category C = New Capital
 Category D = Technology Investments
 Category E = Upgrades

LEGEND: Planning Phase (P)
 Design Phase (D)
 Right-of-Way/Land Acquisition (RW)
 Construction (C)
 Conversions/ Start-Up (S)

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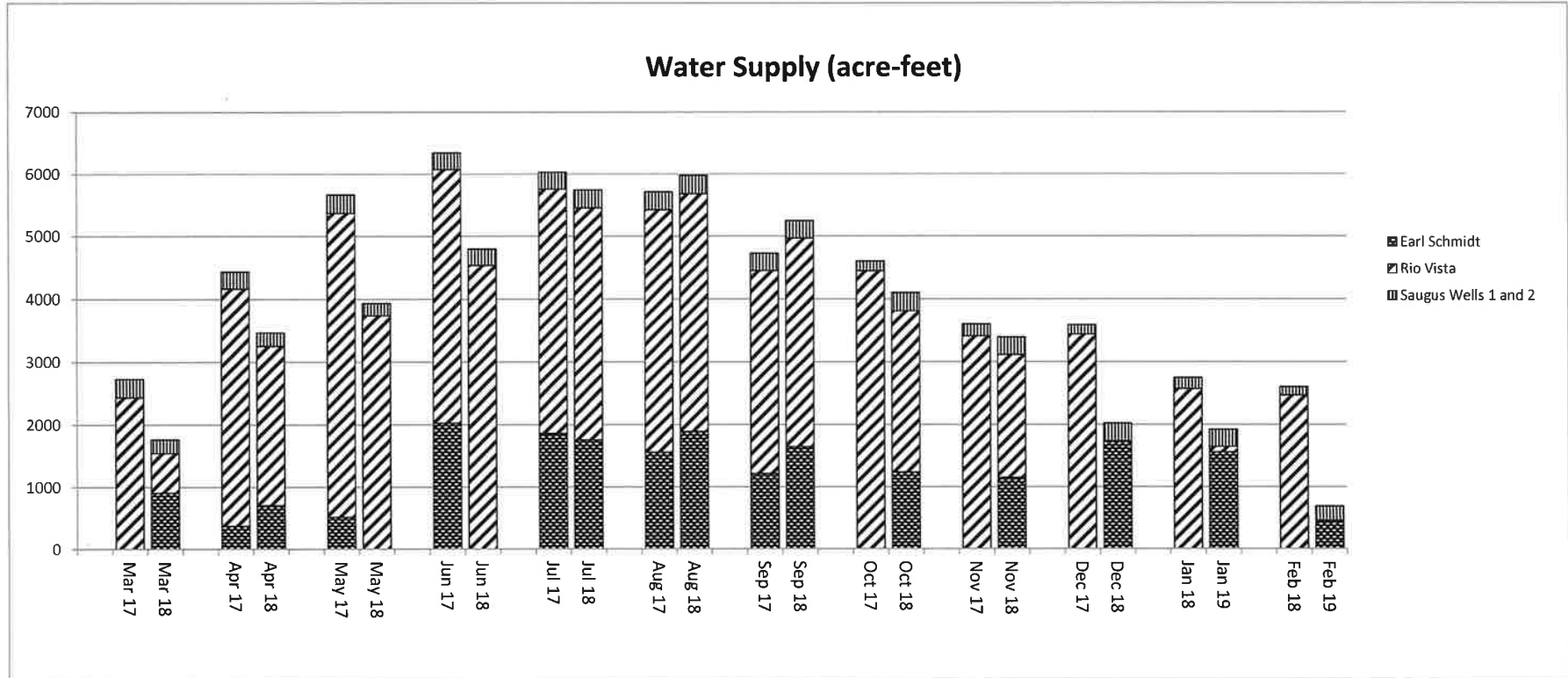
Monthly Operations & Production Report

February 2019

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SANTA CLARITA VALLEY WATER AGENCY

February 2019 Regional Operations Report



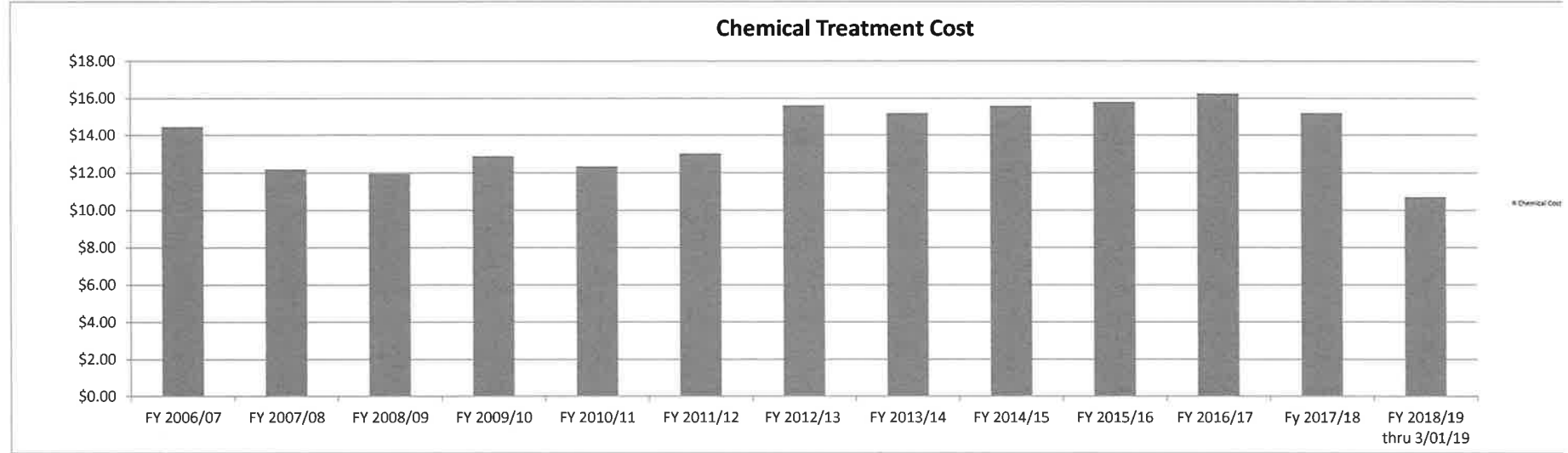
Source	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Total
Earl Schmidt	0	710	0	0	3705	1886	1645	1236.7	1154	1736	1560	458	14090.7
Rio Vista	2436	2544	3735	4539	1755	3793	3321	2570	1961	0	85	0	26739
Saugus 1 and 2	290	210	201	260	283	300	289	292	272	286	275	230	3188
Total	2726	3464	3936	4799	5743	5979	5255	4098.7	3387	2022	1920	688	44017.7
Total Sold	1746	3414	3885	4695	5639	5855	5160	4011	3349	1947	1805	749	42255
RVWTP Use/Storage	0.71	21.8	67	10	22.7	44.11	17.82	60	72	9	80	-78	327.14
Total Use	1746.71	3435.8	3952	4705	5661.7	5899.11	5177.82	4071	3421	1956	1885	671	42582.14
Water Loss	-35.92%	-0.81%	0.41%	-1.96%	-1.42%	-1.34%	-1.47%	-0.68%	1.00%	-3.26%	-1.82%	-2.47%	-3.26%
Recycled Water	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Total
Valencia	9	39	39	64	79	75	17	0	0	0	2	0	324

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

**Treatment Process
February 2019**

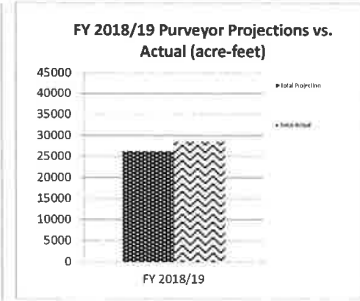
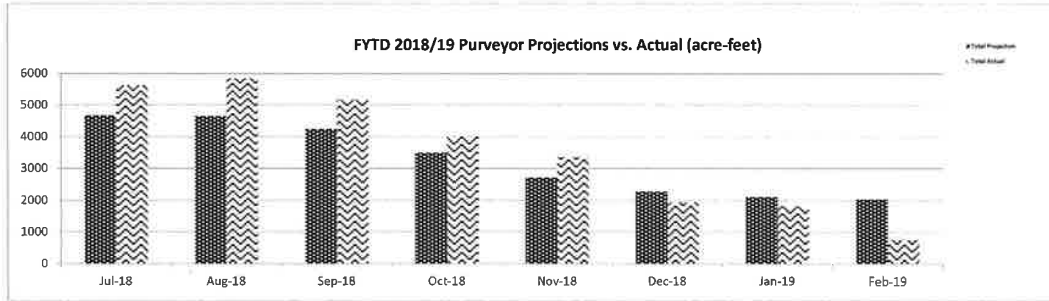
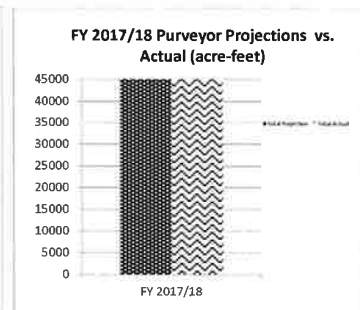
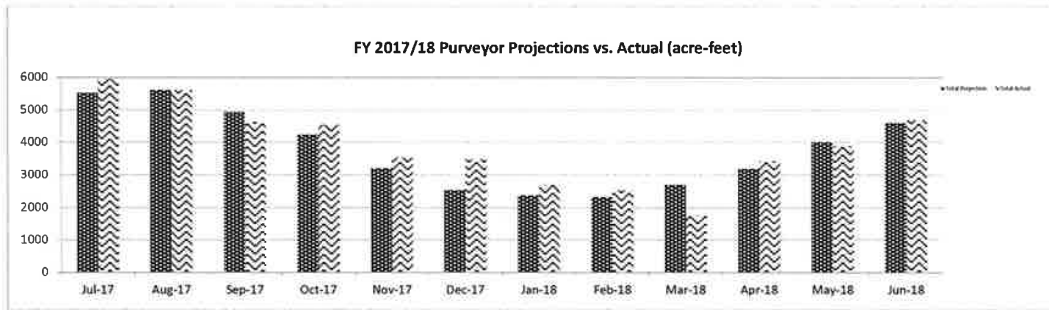
	Perchlorate Raw Water	Perchlorate Finished Water	Raw NTU	Treated NTU	Percent Reduction	Raw Ph	Adjusted pH	Ferric Chloride Dosage	Polymer Dosage	Chlorine Dosage	Ammonia Dosage	Ozone Dosage
Rio Vista			Offline	Offline	0.00%	Offline	Offline	Offline	Offline	Offline	Offline	Offline
Earl Schmidt			1.66	0.04	97.59%	7.88	8.15	1.38	1.58	6.67	0.76	1.1
Saugus 1 and 2	16	<1				7.53	7.65			3.3	0.66	

Chemical Treatment Cost



	FY 2006/07	FY 2007/08	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17	Fy 2017/18
Acre Feet Treated Imported Water	44,493	44,732	38,275	34,610	33,441	35,653	41,504	44,909	30,571	27,456	43,670	46,672
Chemical Cost Per Acre Foot*	\$14.46	\$12.19	\$11.95	\$12.89	\$12.35	\$13.04	\$15.62	\$15.20	\$15.60	\$15.80	\$16.24	\$15.20

* The cost per acre foot includes all chemicals used the treatment process: Chlorine Gas, Sodium Hypochlorite, Caustic Soda (Sodium Hydroxide), Ferric Chloride, Ammonia, and Cationic, non-ionic, and anionic polymers as well as the cost of liquid Oxygen, but does not include the electrical costs to produce the Ozone.



Purveyor Projections vs. Actual															
Month	SCWD Projection	SCWD Actual	%	Valencia Projection	Valencia Actual	%	Newhall Projection	Newhall Actual	%	LA County Projection	LA County Actual	%	Total Projection	Total Actual	Percentage of Estimate
Jul-17	2505	3084	123%	2380	2088	88%	544	785	144%	101	0	0	5530	5957	108%
Aug-17	2585	3035	117%	2345	1723	73%	544	856	157%	140	0	0	5614	5614	100%
Sep-17	2265	2589	114%	2070	1184	57%	480	845	176%	134	0	0	4949	4618	93%
Oct-17	2025	2462	122%	1690	1260	75%	430	804	187%	85	0	0	4230	4526	107%
Nov-17	1545	1921	124%	1300	965	74%	350	640	183%	0	0	0	3195	3526	110%
Dec-17	1265	1955	155%	970	969	100%	290	556	192%	0	0	0	2525	3480	138%
Jan-18	1145	1578	138%	990	853	86%	229	253	110%	0	0	0	2364	2684	114%
Feb-18	1225	1580	129%	880	676	77%	210	275	131%	0	0	0	2315	2531	109%
Mar-18	1305	969	74%	1125	619	55%	260	157	60%	0	0	0	2690	1745	65%
Apr-18	1465	1905	130%	1410	1160	82%	310	349	113%	0	0	0	3185	3414	107%
May-18	1785	2075	116%	1880	1335	71%	330	473	143%	0	0	0	3995	3883	97%
Jun-18	2105	2264	108%	2080	1622	78%	410	808	197%	0	0	0	4595	4694	102%
FY 2017/18	21220	25417	120%	19120	14454	76%	4387	6801	155%	460	0	0	45187	46672	103%
Jul-18	2453	2694	110%	1655	1921	116%	558	1023	183%	0	0	0	4666	5638	121%
Aug-18	2453	2816	115%	1637	2026	124%	558	1012	181%	0	0.42	0	4648	5855	126%
Sep-18	2312	2535	110%	1441	1743	121%	488	881	181%	0	0.4	0	4241	5159	122%
Oct-18	1862	2174	117%	1178	1300	110%	448	537	120%	0	0	0	3488	4011	115%
Nov-18	1445	1882	130%	908	1084	119%	356	382	107%	0	0.43	0	2709	3348	124%
Dec-18	1307	1274	97%	673	459	68%	295	214	73%	0	0	0	2275	1947	86%
Jan-19	1178	1110	94%	692	513	74%	232	180	78%	0	1.14	0	2102	1804	86%
Feb-19	1200	440	37%	613	232	38%	213	76	36%	0	0.54	0	2026	749	37%
FY 2018/19	14210	14925	105%	8797	9278	105%	3148	4305	137%	0	2.93	0	26155	28511	109%

SANTA CLARITA VALLEY WATER AGENCY

Record of Weather Observations

February 2019

DATE	High Temperature	Low Temperature	Precipitation 2019	Precipitation 2018
1-Feb	58	37	0.04	0.00
2-Feb	53	45	3.05	0.00
3-Feb	54	48	0.91	0.00
4-Feb	56	45	1.08	0.00
5-Feb	52	35	0.15	0.00
6-Feb	50	29	0.00	0.00
7-Feb	54	26	0.00	0.00
8-Feb	59	26	0.00	0.00
9-Feb	56	38	0.31	0.00
10-Feb	50	41	0.19	0.00
11-Feb	59	27	0.00	0.00
12-Feb	61	28	0.00	0.10
13-Feb	53	41	0.28	0.01
14-Feb	59	48	1.89	0.05
15-Feb	53	42	0.36	0.01
16-Feb	55	34	0.01	0.00
17-Feb	53	30	0.02	0.00
18-Feb	51	29	0.00	0.00
19-Feb	54	25	0.00	0.00
20-Feb	51	29	0.07	0.00
21-Feb	49	29	0.04	0.00
22-Feb	58	26	0.01	0.00
23-Feb	60	25	0.00	0.00
24-Feb	66	30	0.00	0.00
25-Feb	66	36	0.00	0.00
26-Feb	66	34	0.00	0.18
27-Feb	62	41	0.04	0.00
28-Feb	65	52	0.11	0.00

TOTAL	8.56	0.35
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	2018-2019	2017-2018
<i>Total Precipitation of Current Month</i>	8.56	0.35
<i>Total Precipitation End of Previous Month</i>	13.24	3.25
Total Precipitation Since October 1st	21.80	3.60
<i>Temperature Averages for Current Month</i>	HIGH 56.5	67.8
	LOW 34.9	35.7

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

	<i>1997-98</i>	<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>
Oct	0.00	0.33	0.00	1.13	0.22	0.00	1.10	4.79	1.91	0.42	0.25
Nov	3.73	1.39	0.00	0.00	3.18	3.01	0.63	0.64	0.59	0.05	0.50
Dec	6.72	1.39	0.05	0.00	1.30	5.85	2.57	8.54	0.14	0.83	2.67
Jan	3.49	2.08	1.21	5.84	1.55	0.00	0.65	17.06	3.27	1.66	17.54
Feb	22.00	0.65	9.43	10.76	0.51	9.03	8.07	16.69	3.78	1.38	1.82
Mar	5.15	3.00	3.15	3.38	0.38	2.38	0.37	2.70	5.68	0.17	0.10
Apr	2.28	3.78	2.10	2.56	0.05	2.35	0.20	1.42	4.22	0.71	0.07
May	5.50	0.00	0.00	0.00	0.12	1.70	0.00	0.45	0.99	0.00	0.17
Jun	0.06	0.48	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Jul	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.00
Aug	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
Sep	0.21	0.01	0.00	0.00	0.02	0.00	0.00	0.17	0.00	1.32	0.00
TOTAL	49.14	13.11	16.25	23.67	7.34	24.34	13.59	52.55	20.58	6.58	23.12
	<i>2008-09</i>	<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>
Oct	0.09	4.04	1.34	1.97	0.15	0.11	0.32	0.17	0.43	0.00	0.52
Nov	1.78	0.08	1.87	2.50	2.20	1.41	0.64	0.21	1.49	0.06	1.87
Dec	3.01	4.28	11.97	1.19	1.54	0.37	6.16	0.49	3.44	0.01	2.77
Jan	0.69	9.13	0.96	1.23	1.94	0.06	1.44	6.07	10.30	3.18	8.08
Feb	6.78	4.96	5.36	0.13	0.42	5.26	0.74	0.69	8.98	0.35	8.56
Mar	1.18	0.69	8.86	4.99	1.21	1.64	1.09	2.75	0.33	7.50	
Apr	0.07	2.40	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	
May	0.01	0.07	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	
Jun	0.03	0.00	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	
Jul	0.00	0.00	0.01	0.00	0.08	0.02	0.87	0.00	0.01	0.00	
Aug	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.02	0.07	0.00	
Sep	0.00	0.00	0.00	0.02	0.00	0.00	0.78	0.00	0.13	0.02	
TOTAL	13.64	25.65	31.27	16.07	8.28	9.23	12.87	10.87	25.53	11.15	21.80

SANTA CLARITA VALLEY WATER AGENCY
WATER PRODUCTION BY WELL 2019 (ACRE-FEET)

NEWHALL WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
N12	85	72	0	0	0	0	0	0	0	0	0	0	157
N13	95	79	0	0	0	0	0	0	0	0	0	0	174
C1	21	13	0	0	0	0	0	0	0	0	0	0	34
C2	6	5	0	0	0	0	0	0	0	0	0	0	11
C7	22	18	0	0	0	0	0	0	0	0	0	0	39
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
TOTAL NWD	229	187	0	0	0	0	0	0	0	0	0	0	416
SANTA CLARITA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	0	8	0	0	0	0	0	0	0	0	0	0	8
LOST CANYON NO.2A	0	24	0	0	0	0	0	0	0	0	0	0	24
SAND CANYON	3	29	0	0	0	0	0	0	0	0	0	0	32
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	15	54	0	0	0	0	0	0	0	0	0	0	69
NORTH OAKS EAST	2	35	0	0	0	0	0	0	0	0	0	0	37
NORTH OAKS CENTRAL	2	47	0	0	0	0	0	0	0	0	0	0	49
NORTH OAKS WEST	0	0	0	0	0	0	0	0	0	0	0	0	0
HONBY	1	2	0	0	0	0	0	0	0	0	0	0	3
GUIDA	25	31	0	0	0	0	0	0	0	0	0	0	56
CLARK	19	32	0	0	0	0	0	0	0	0	0	0	51
SANTA CLARA	1	37	0	0	0	0	0	0	0	0	0	0	38
VALLEY CENTER	54	55	0	0	0	0	0	0	0	0	0	0	109
TOTAL SCWD	122	354	0	0	0	0	0	0	0	0	0	0	476
VALENCIA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	34	28	0	0	0	0	0	0	0	0	0	0	62
E15	35	21	0	0	0	0	0	0	0	0	0	0	56
N	20	36	0	0	0	0	0	0	0	0	0	0	56
N7	91	23	0	0	0	0	0	0	0	0	0	0	114
N8	39	16	0	0	0	0	0	0	0	0	0	0	55
Q2	64	52	0	0	0	0	0	0	0	0	0	0	116
T7	8	4	0	0	0	0	0	0	0	0	0	0	11
U6	2	3	0	0	0	0	0	0	0	0	0	0	5
U4	3	2	0	0	0	0	0	0	0	0	0	0	5
S6	64	74	0	0	0	0	0	0	0	0	0	0	138
S7	24	24	0	0	0	0	0	0	0	0	0	0	48
S8	9	30	0	0	0	0	0	0	0	0	0	0	39
W11	24	30	0	0	0	0	0	0	0	0	0	0	53
W9	22	9	0	0	0	0	0	0	0	0	0	0	31
W10	87	61	0	0	0	0	0	0	0	0	0	0	149
159 (GOLF COURSE IRRIGATION)	0	0	0	0	0	0	0	0	0	0	0	0	0
160 (SYSTEM)	2	2	0	0	0	0	0	0	0	0	0	0	4
160 (GOLF COURSE IRRIGATION)	10	4	0	0	0	0	0	0	0	0	0	0	15
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	95	84	0	0	0	0	0	0	0	0	0	0	178
207	120	66	0	0	0	0	0	0	0	0	0	0	186
TOTAL VWD	752	569	0	0	0	0	0	0	0	0	0	0	1321
S1	143	116	0	0	0	0	0	0	0	0	0	0	259
S2	132	114	0	0	0	0	0	0	0	0	0	0	246
TOTAL S1 & S2	275	230	0	0	0	0	0	0	0	0	0	0	505
TOTAL WELL PRODUCTION	1378	1340	0	0	0	0	0	0	0	0	0	0	2718

WELL 201 (NON-SYSTEM) 106 31 0 0 0 0 0 0 0 0 0 0 137

**NEWHALL WATER DIVISION
WATER PRODUCTION 2019 (ACRE-FEET)**

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
NEWHALL SYSTEM													
N12	85	72											157
N13	95	79											174
CASTAIC SYSTEM													
C1	21	13											34
C2	6	5											11
C7	22	18											39
PINETREE SYSTEM													
P1	0	0											0
P3	0	0											0
P4	0	0											0
P5	0	0											0
S1 & S2	74	62											135
TOTAL GROUNDWATER	303	249	0	0	0	0	0	0	0	0	0	0	552
IMPORT + S1 & S2													
NEWHALL SYSTEM													
N-3	13	1											15
CASTAIC SYSTEM													
N-1	39	18											56
PINETREE SYSTEM													
N-2	87	48											135
TESORO SYSTEM													
N-4	41	10											51
TOTAL IMPORT + S1 & S2	181	76	0	0	0	0	0	0	0	0	0	0	257
VWD- INTERTIE	0	50											50
TOTAL GROUNDWATER (INCLUDES S1 & S2)	303	249	0	0	0	0	0	0	0	0	0	0	552
TOTAL IMPORT (NO S1 & S2)	107	15	0	0	0	0	0	0	0	0	0	0	122
TOTAL VWD INTERTIE	0	50	0	0	0	0	0	0	0	0	0	0	50
TOTAL PRODUCTION	410	314	0	0	0	0	0	0	0	0	0	0	724
% BY SOURCE													
GROUNDWATER	74%	79%											76%
IMPORT	26%	5%											17%
INTERTIE	0%	16%											7%

**SANTA CLARITA WATER DIVISION
WATER PRODUCTION 2019 (ACRE-FEET)**

GROUNDWATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOST CANYON NO.2	0	8											8
LOST CANYON NO.2A	0	24											24
SAND CANYON	3	29											32
MITCHELL 5A	0	0											0
MITCHELL 5B	0	0											0
SIERRA	15	54											69
NORTH OAKS EAST	2	35											37
NORTH OAKS CENTRAL	2	47											49
NORTH OAKS WEST	0	0											0
HONBY	1	2											3
GUIDA	25	31											56
CLARK	19	32											51
SANTA CLARA	1	37											38
VALLEY CENTER	54	55											109
TOTAL ALLUVIUM	122	354	0	0	0	0	0	0	0	0	0	0	476
SAUGUS WELLS S1 & S2	201	168											370
TOTAL GROUNDWATER	323	522	0	0	0	0	0	0	0	0	0	0	846
IMPORT + S1 & S2	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
SC-1 BOUQUET	191	83											274
SC-2 HONBY	179	2											181
SC-3 WILEY	50	52											102
SC-4 HONBY #2	200	119											318
SC-5 RIO VISTA	0	0											0
SC-6 LOST CANYON	55	68											122
SC-7	26	12											38
SC-8	79	20											99
SC-9	40	50											90
SC-10	35	17											53
SC-11	38	2											40
SC-12	180	66											246
SC-13	37	1											38
TOTAL IMPORT + S1 & S2	1110	493	0	0	0	0	0	0	0	0	0	0	1,603
METERING ADJUSTMENT	-9	-5											-14
NET IMPORT + S1 & S2	1,100	488	0	0	0	0	0	0	0	0	0	0	1,588
TOTAL GROUNDWATER (INCLUDES S1 & S2)	323	522	0	0	0	0	0	0	0	0	0	0	846
TOTAL IMPORT (NO S1 & S2)	908	324	0	0	0	0	0	0	0	0	0	0	1,233
TOTAL VWD INTERTIE	0	0											0
TOTAL PRODUCTION	1,232	847	0	0	0	0	0	0	0	0	0	0	2,079
% BY SOURCE													
GROUNDWATER	26%	62%											41%
IMPORT	74%	38%											59%
VWD INTERTIE	0%	0%											0%

**VALENCIA WATER DIVISION
WATER PRODUCTION 2019 (ACRE-FEET)**

ALLUVIUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	34	28											62
E15	35	21											56
N	20	36											56
N7	91	23											114
N8	39	16											55
Q2	64	52											116
T7	8	4											11
U6	2	3											5
U4	3	2											5
S6	64	74											138
S7	24	24											48
S8	9	30											39
W11	24	30											53
W9	22	9											31
W10	87	61											149
TOTAL ALLUVIUM	525	412	0	0	0	0	0	0	0	0	0	0	938

SAUGUS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
159	0	0											0
160 - DOM	2	2											4
160 - VGC*	10	4											15
201	0	0											0
205	0	0											0
206	95	84											178
207	120	66											186
TOTAL SAUGUS	226	157	0	0	0	0	0	0	0	0	0	0	383

IMPORT WATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
V-1	83	23											106
V-2	65	42											106
V-4	25	14											39
V-5	96	63											159
V-6	99	37											136
V-7	18	8											25
V-8	128	46											174
TOTAL IMPORT	513	232	0	0	0	0	0	0	0	0	0	0	745

TOTAL GROUNDWATER	752	569	0	0	0	0	0	0	0	0	0	0	1,321
TOTAL IMPORT	513	232	0	0	0	0	0	0	0	0	0	0	745
TOTAL PRODUCTION	1,265	801	0	0	0	0	0	0	0	0	0	0	2,066

% BY SOURCE			
GROUNDWATER	59%	71%	64%
IMPORT WATER	41%	29%	36%
RECYCLED WATER	2	0	3
Well 201 Discharge *	106	31	137

*Not used in the calculation for % by source

LOS ANGELES COUNTY WATERWORKS DISTRICT 36

SOURCE

TURNOUT	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
LA 1	0.0491	0											0.05
LA 2	1.0925	0.5371											1.63
TOTAL	1.1416	0.5371	0	0	0	0	0	0	0	0	0	0.00	1.68

RAW WATER

SOURCE	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
RVTP	85	0											84.73
ESTP	1,560	458											2,018.10
Wells	275	230											505.08
TOTAL	1,920	688	0	0	0	0	0	0	0	0	0	0	2,607.92

S1/S2 TREATMENT

SOURCE	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
S1	143.2	115.9											259.09
S2	131.98	114.01											245.99
TOTAL	275.17	229.91	0	0	0	0	0	0	0	0	0	0	505.08



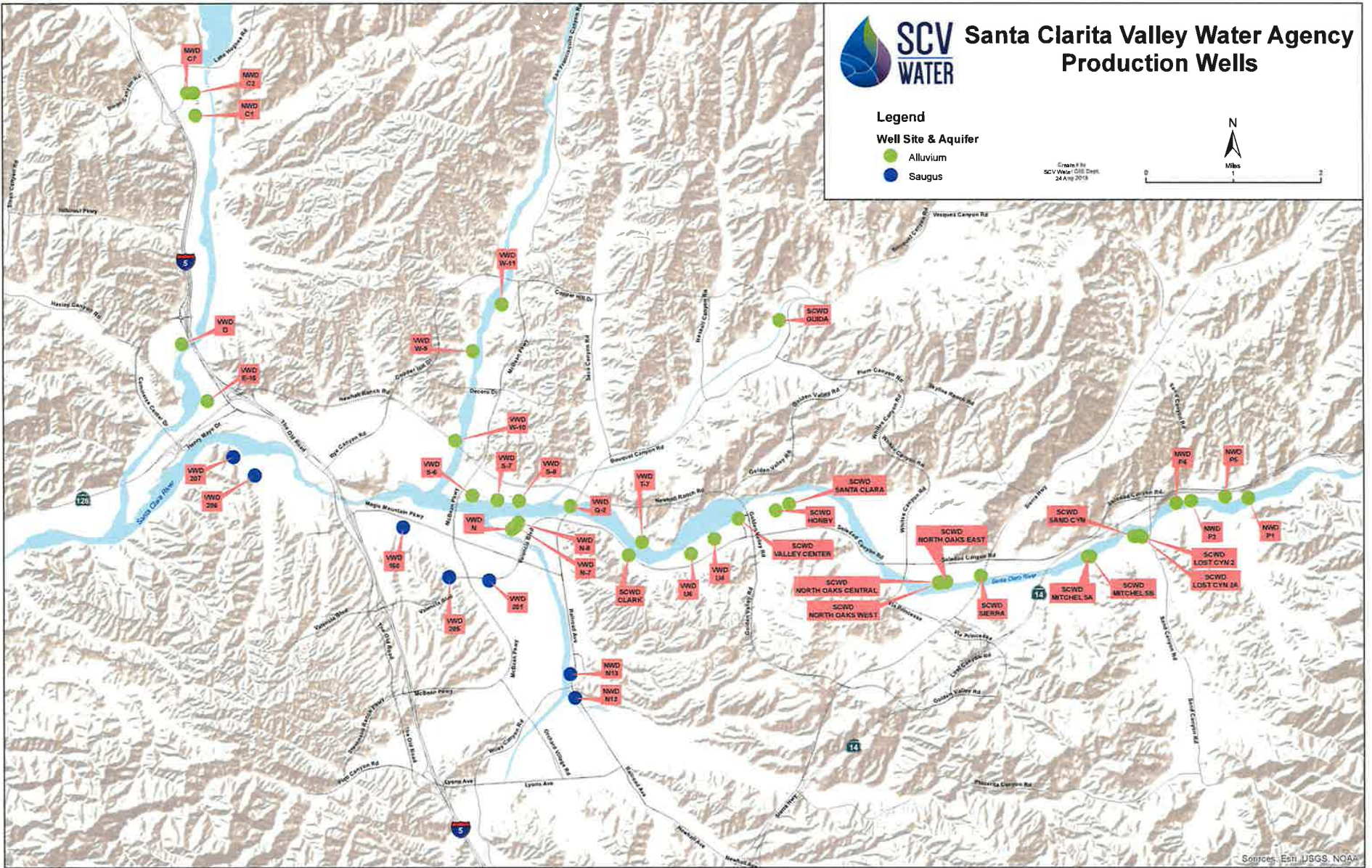
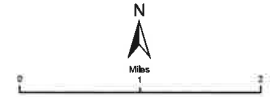
Santa Clarita Valley Water Agency Production Wells

Legend

Well Site & Aquifer

- Alluvium
- Saugus

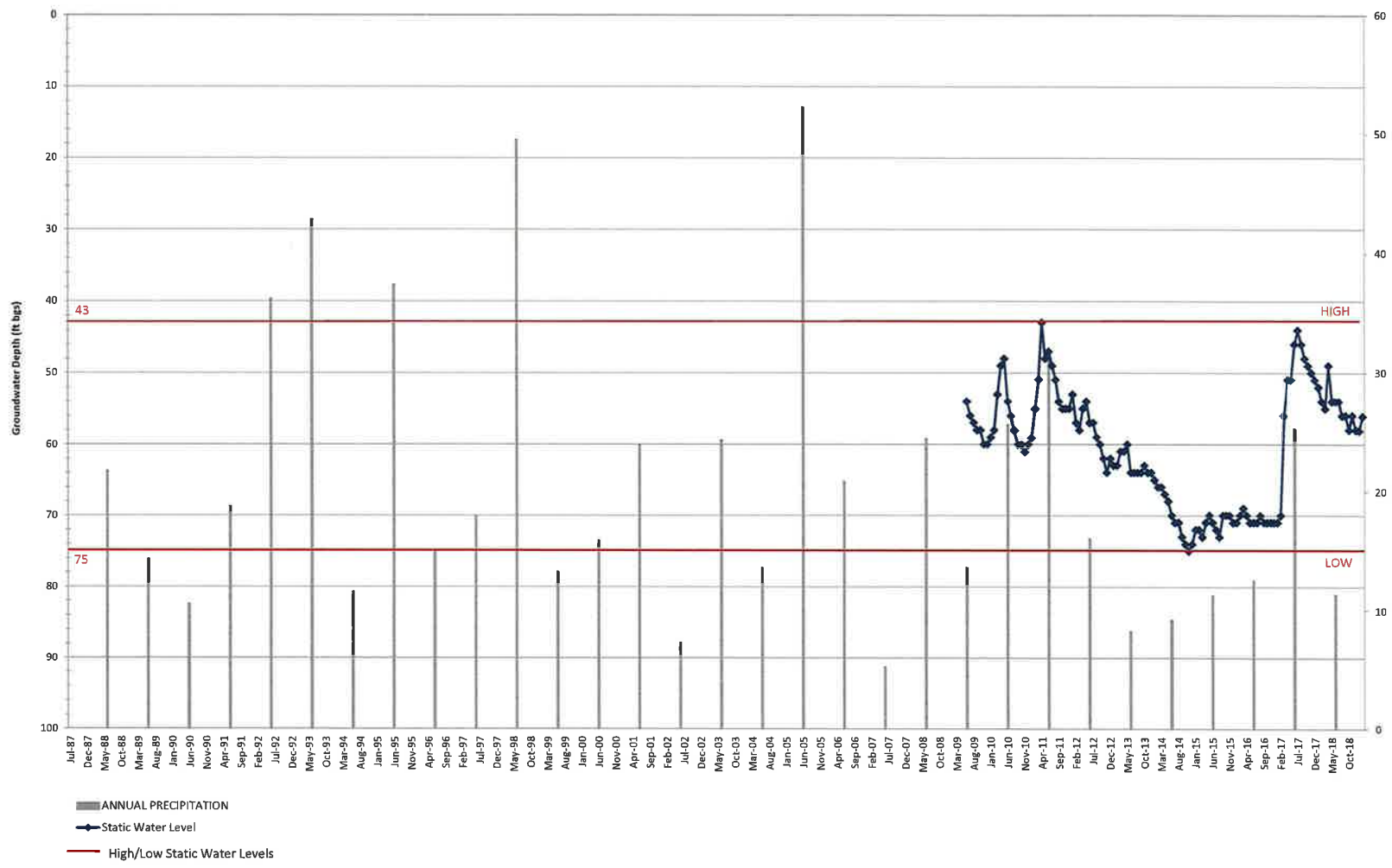
Created by
SCV Water GIS Dept.
24 Aug 2018



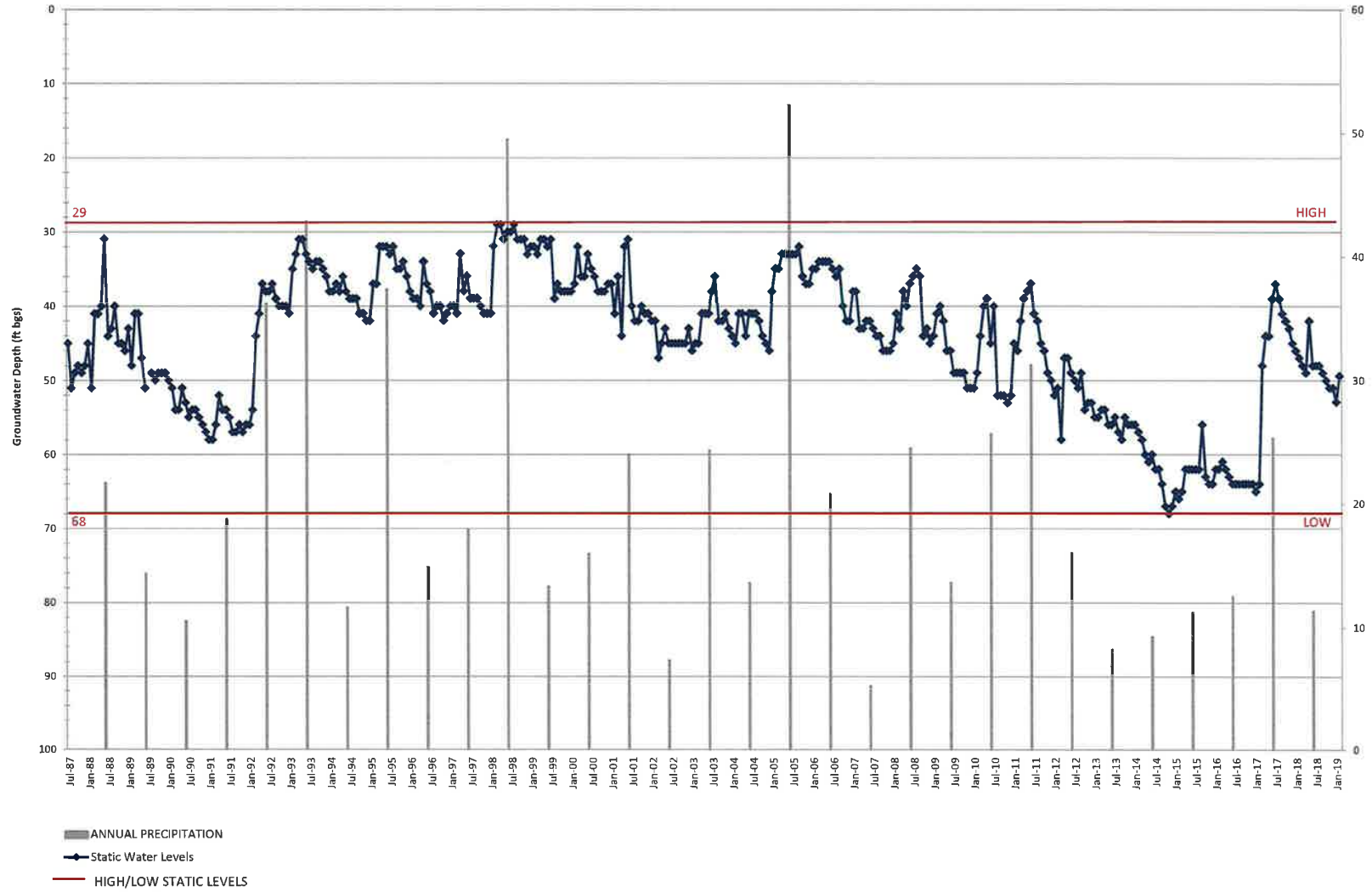
Sources: Esri, USGS, NOAA
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SCV WATER WELL C7
 STATIC WATER LEVEL VS PRECIPITATION



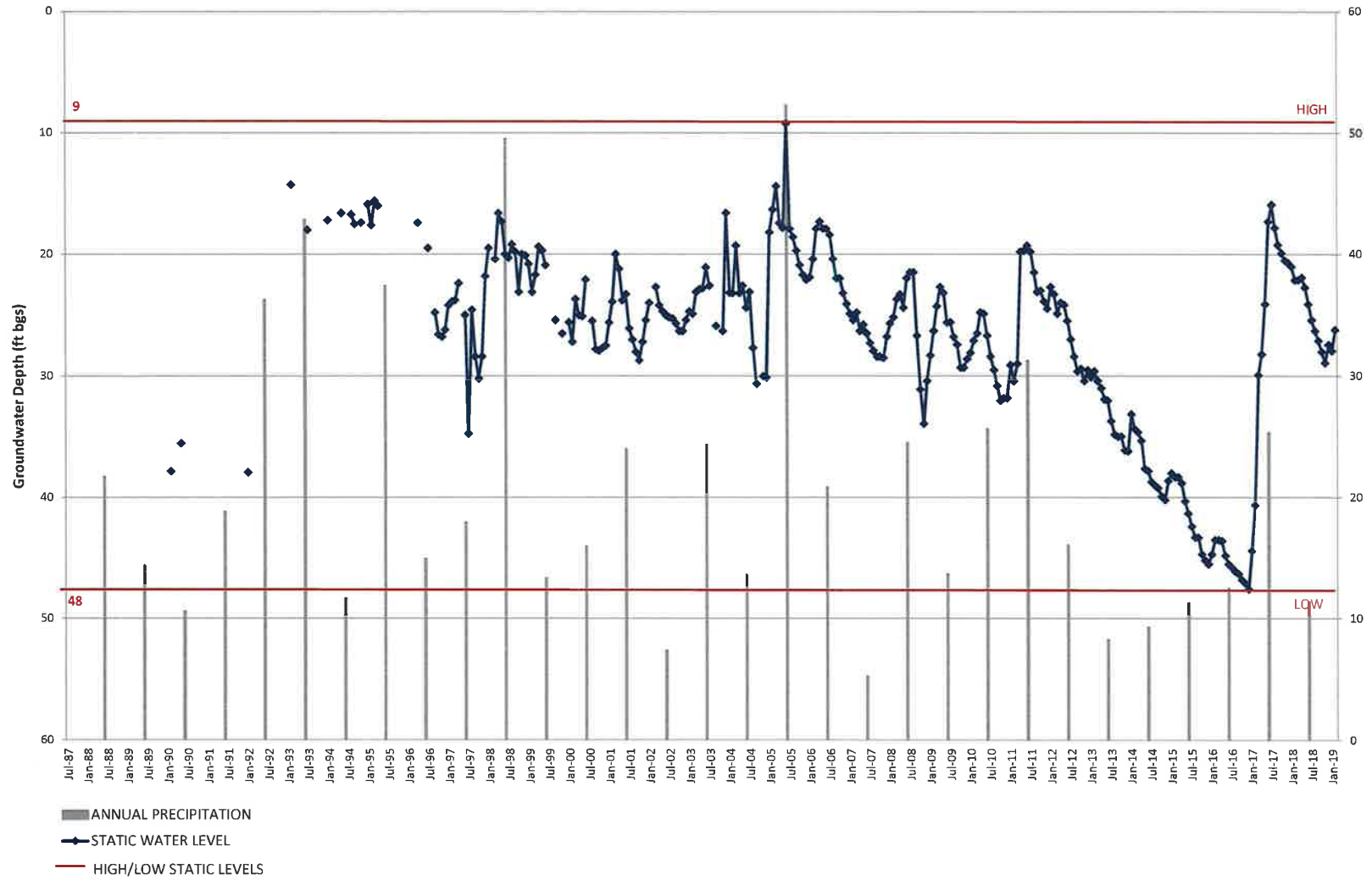
SCV WATER WELL C2
 STATIC WATER LEVEL VS PRECIPITATION



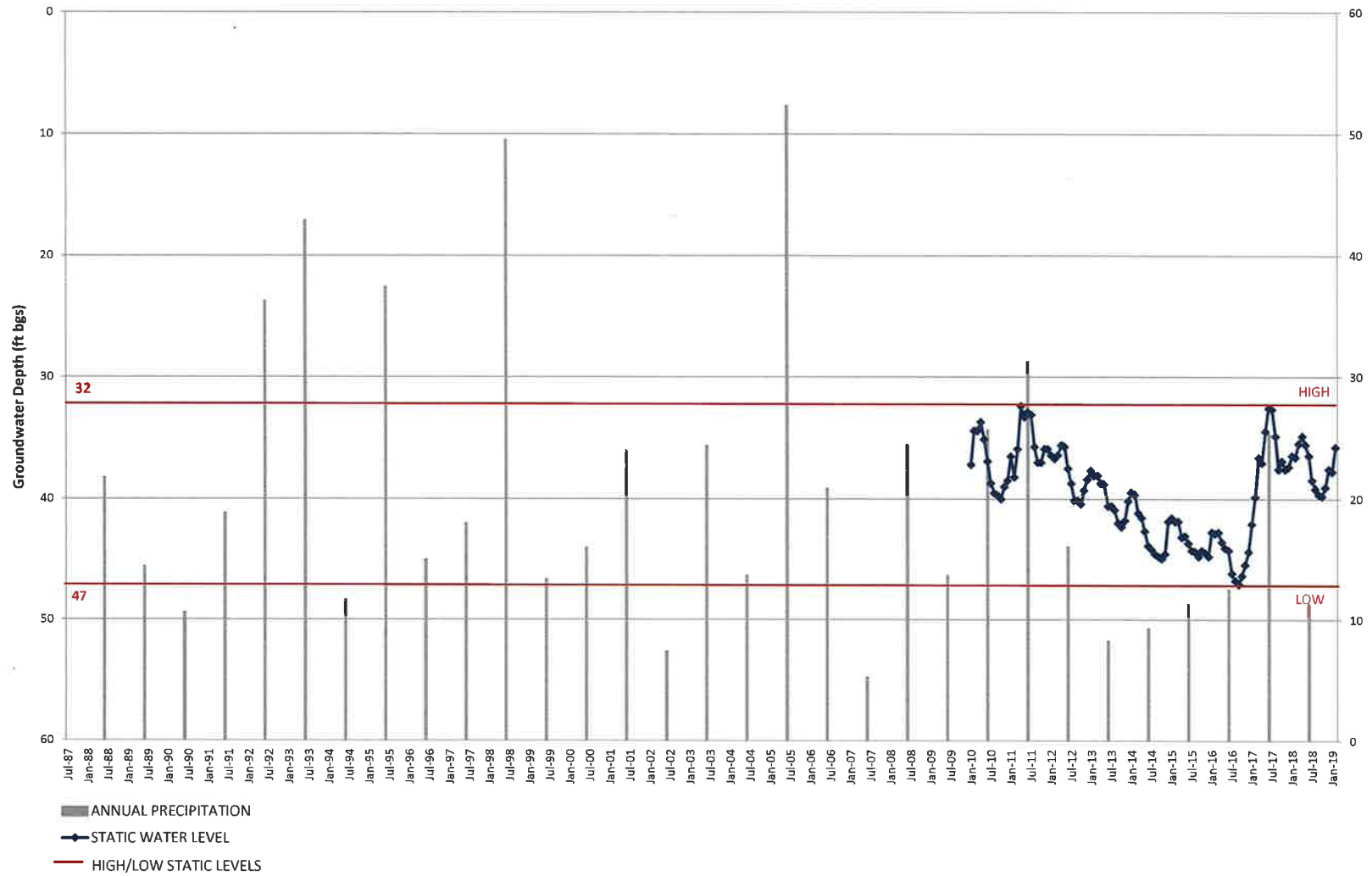
SCV WATER WELL C1
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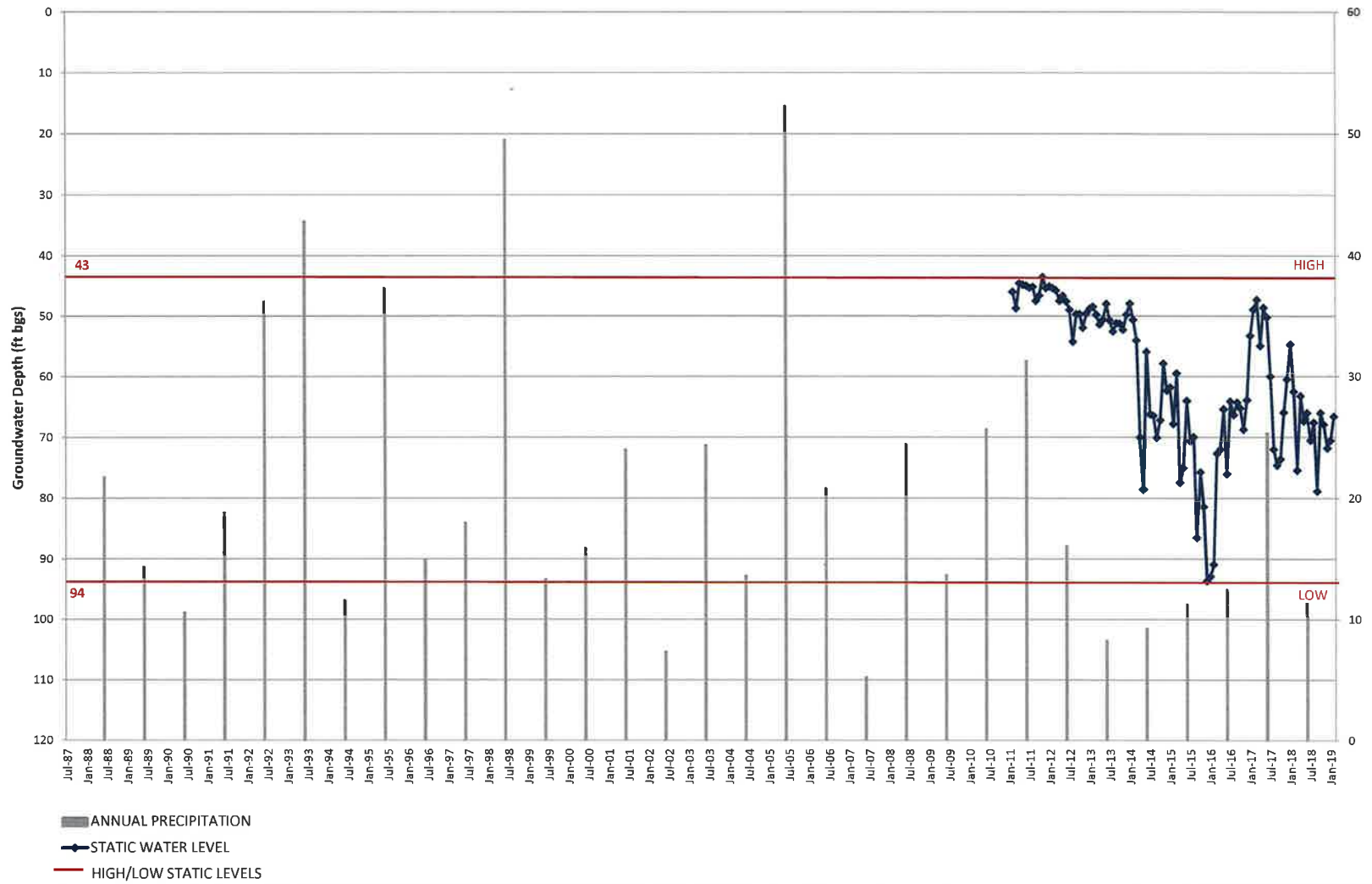
SCV WATER WELL D
 STATIC WATER LEVEL VS PRECIPITATION



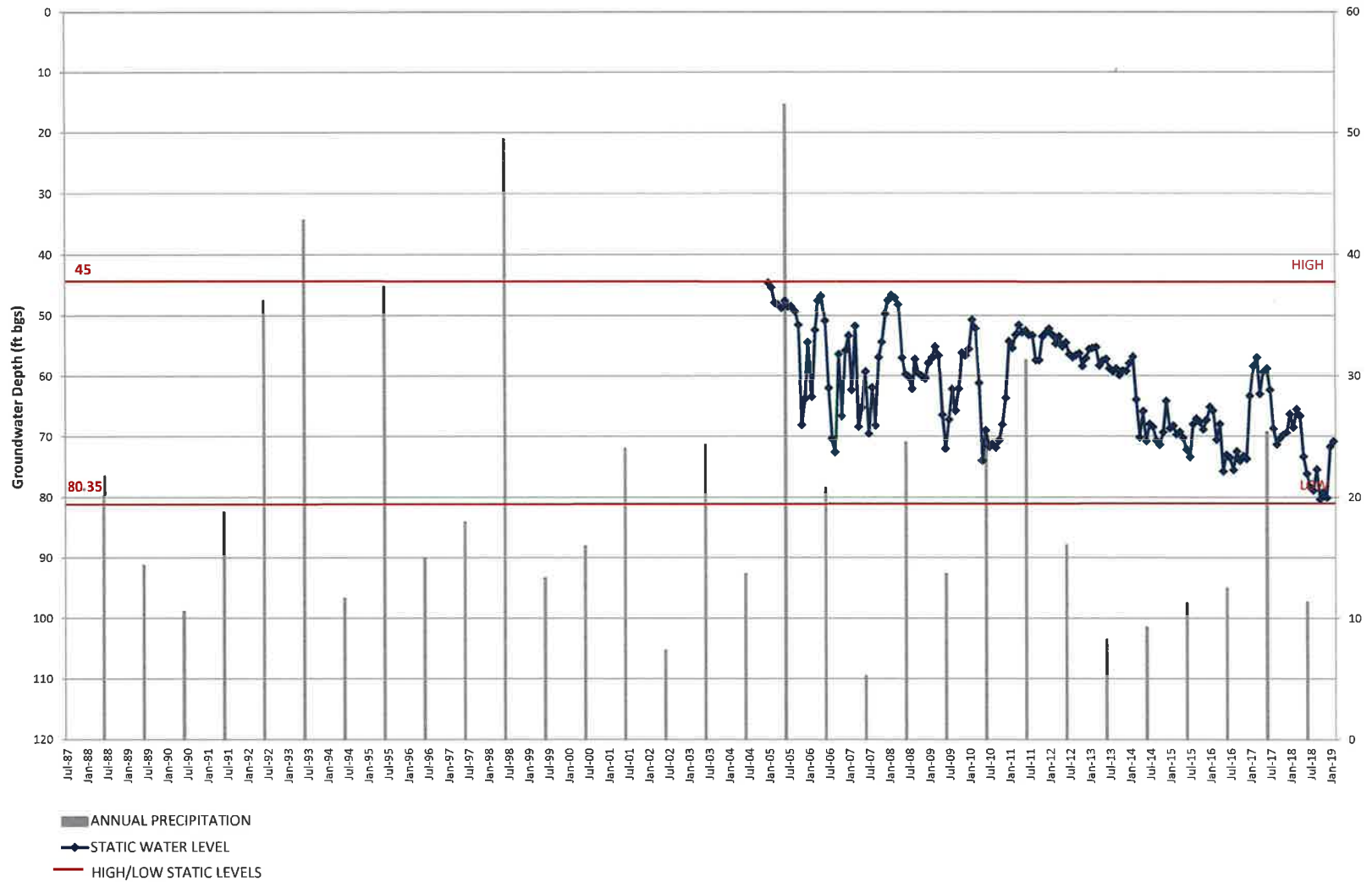
SCV WATER WELL E15
STATIC WATER LEVEL VS. PRECIPITATION



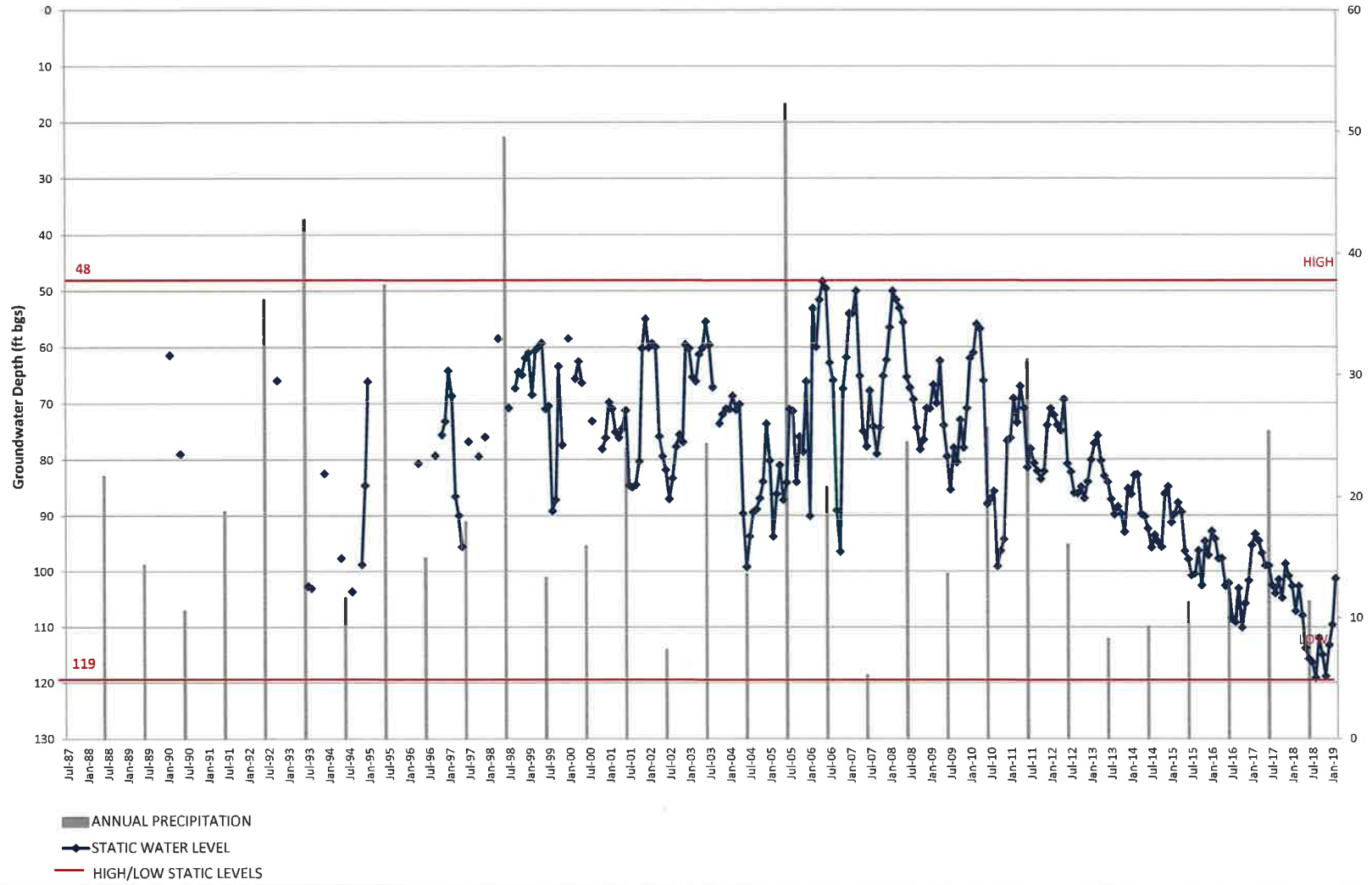
SCV WATER WELL 207
STATIC WATER LEVEL VS PRECIPITATION



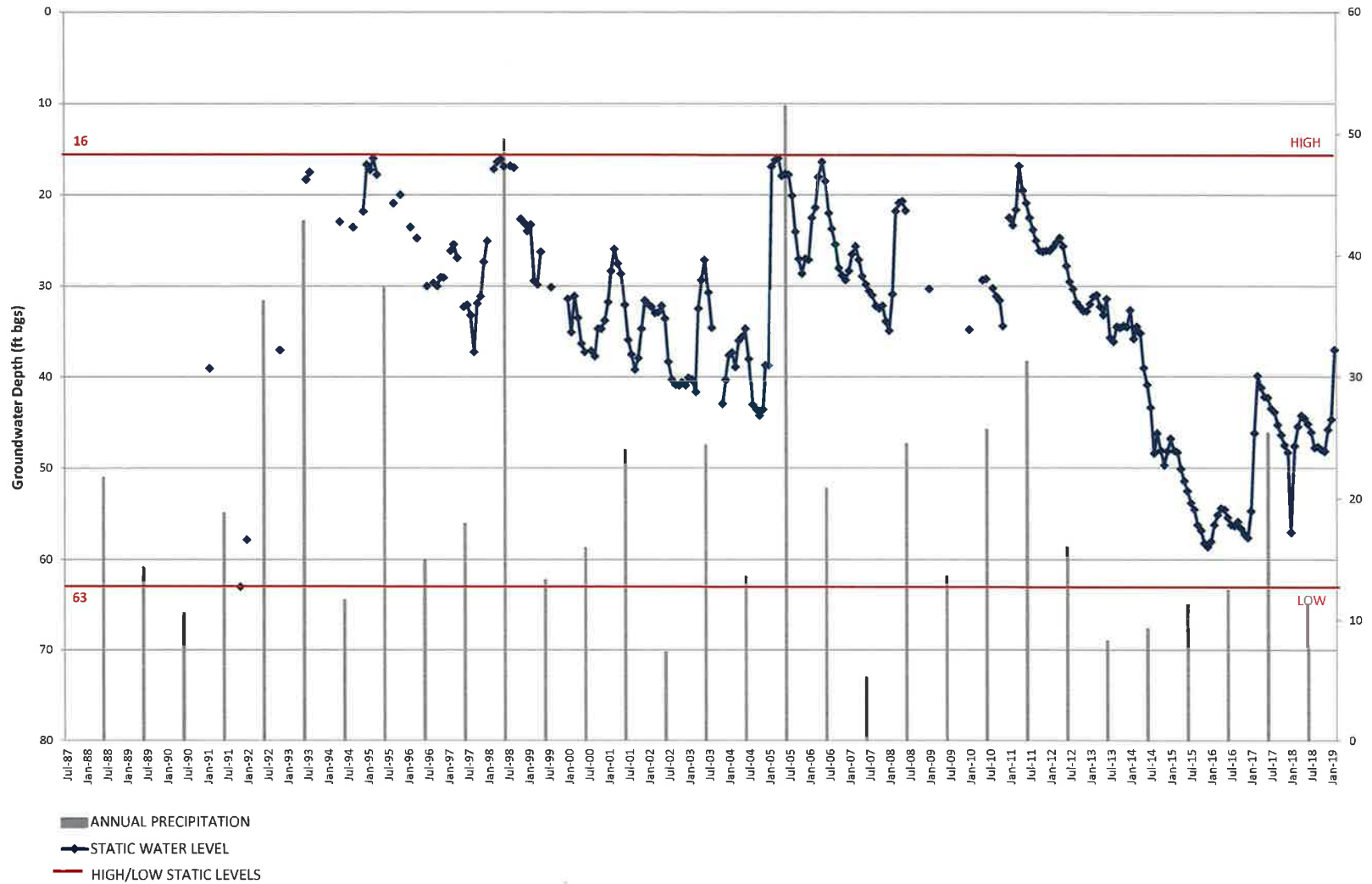
SCV WATER WELL 206
STATIC WATER LEVEL VS PRECIPITATION



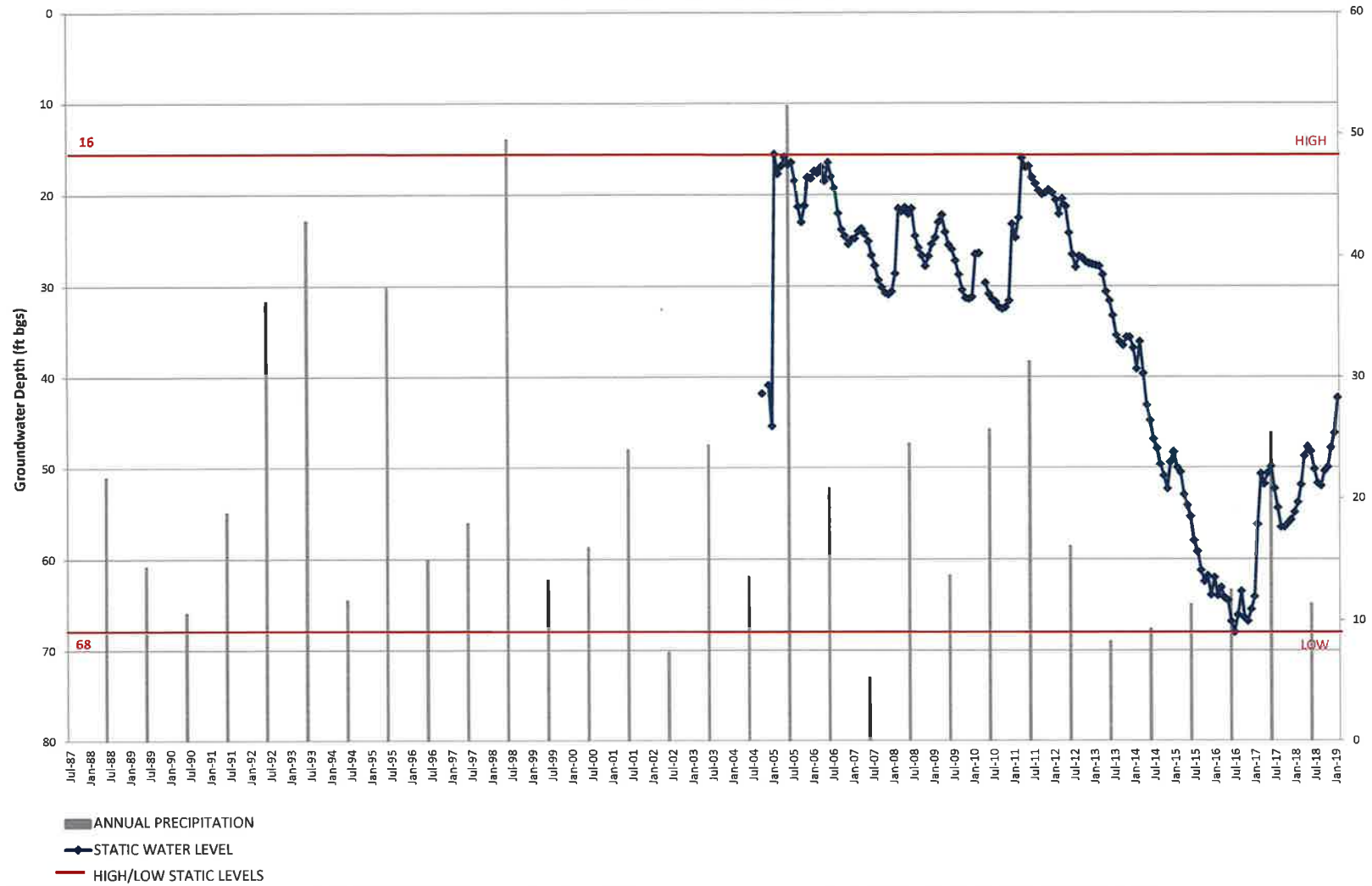
SCV WATER WELL 160
STATIC WATER LEVEL VS PRECIPITATION



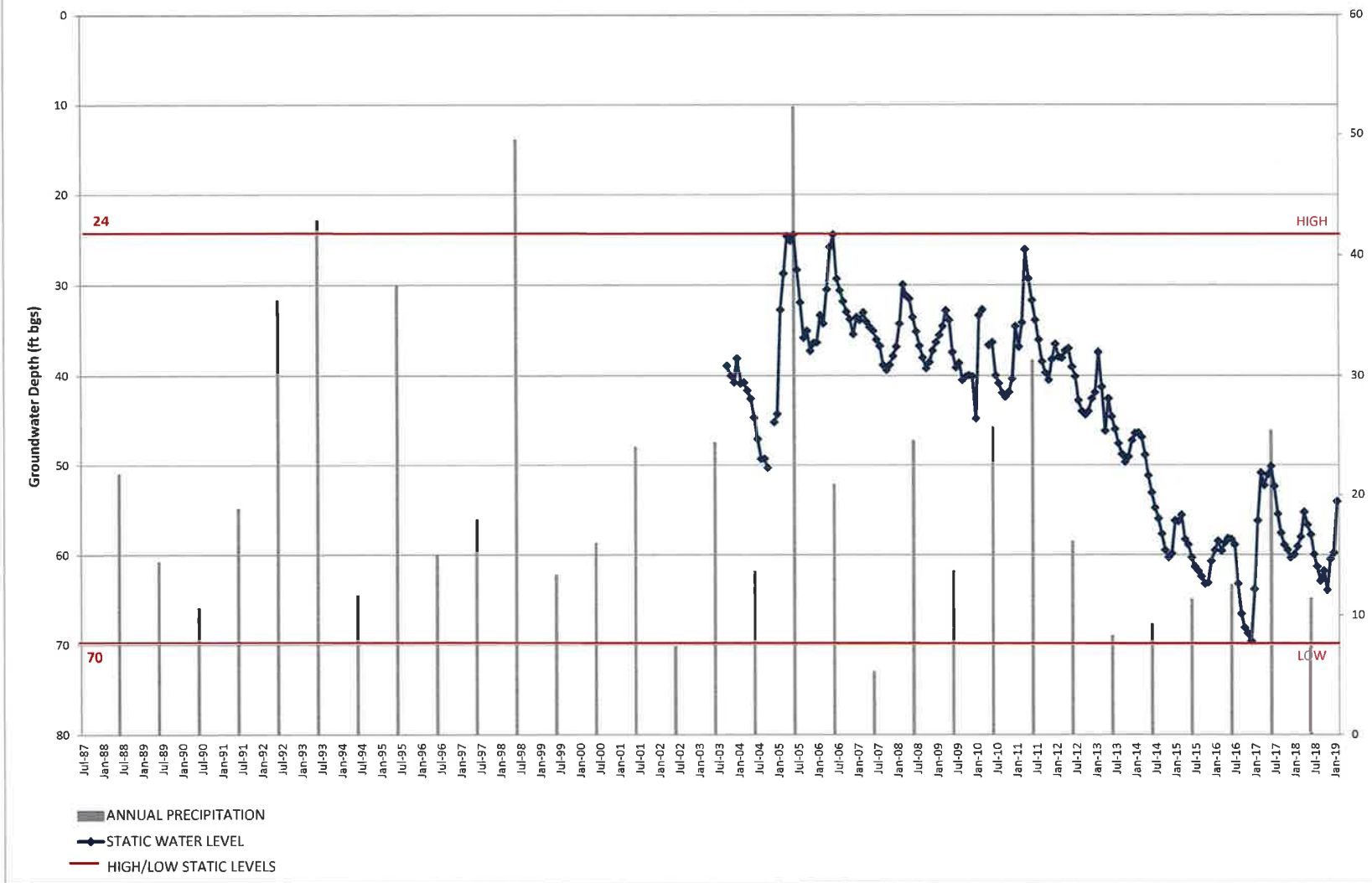
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 STATIC WATER LEVEL VS PRECIPITATION



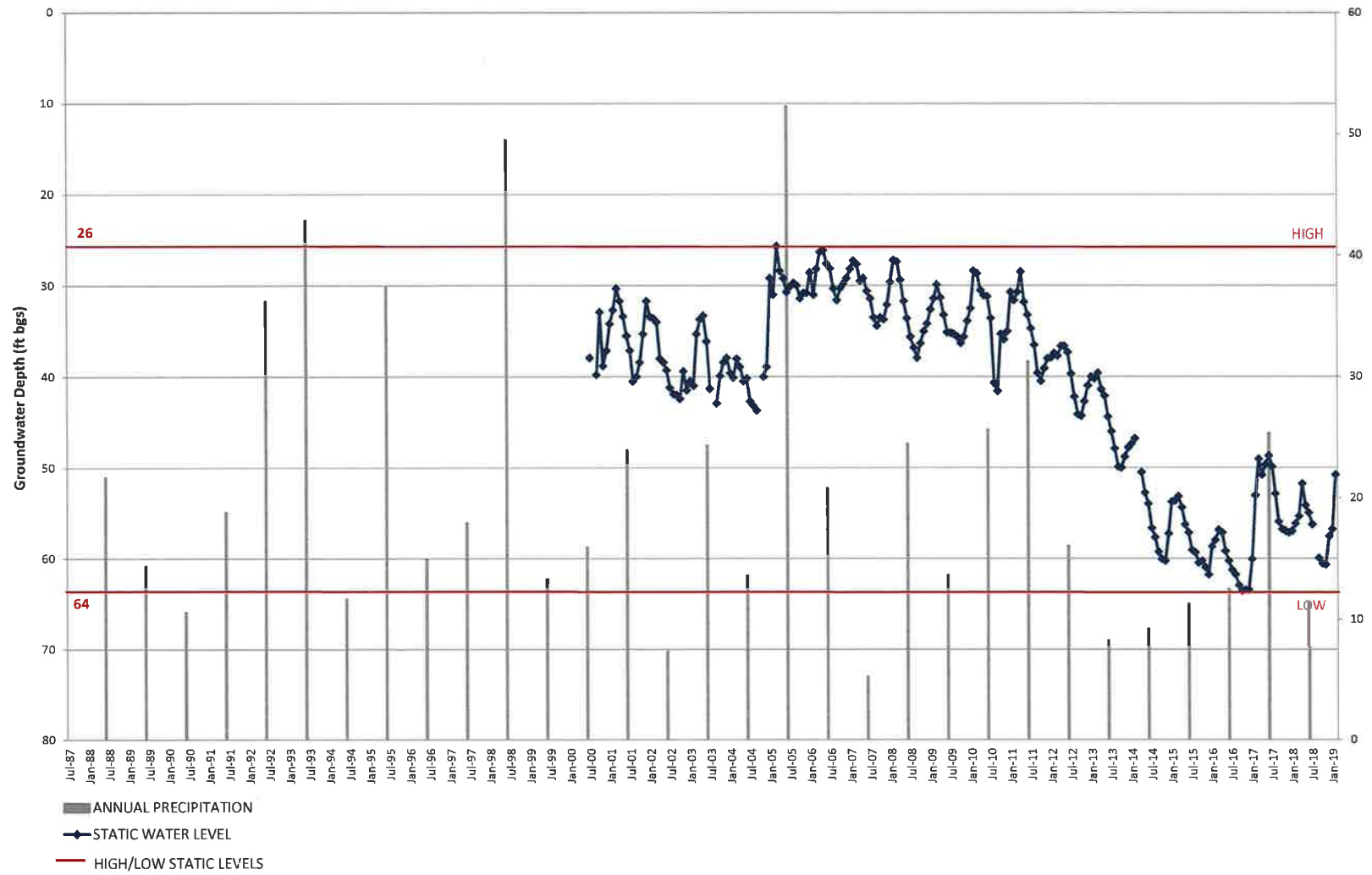
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 STATIC WATER LEVEL PRECIPITATION



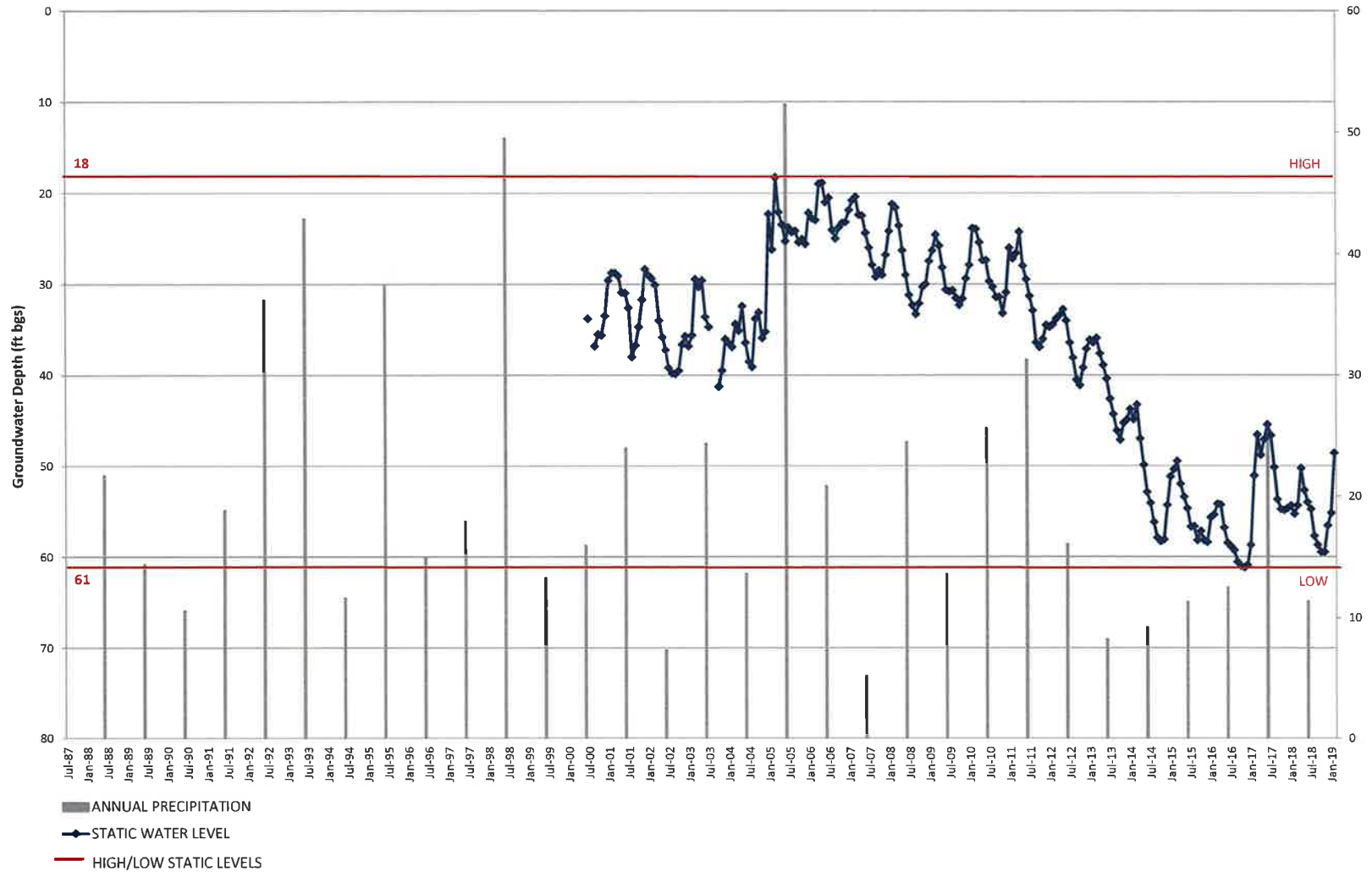
SCV WATER WELL W10
 STATIC WATER LEVEL VS PRECIPITATION



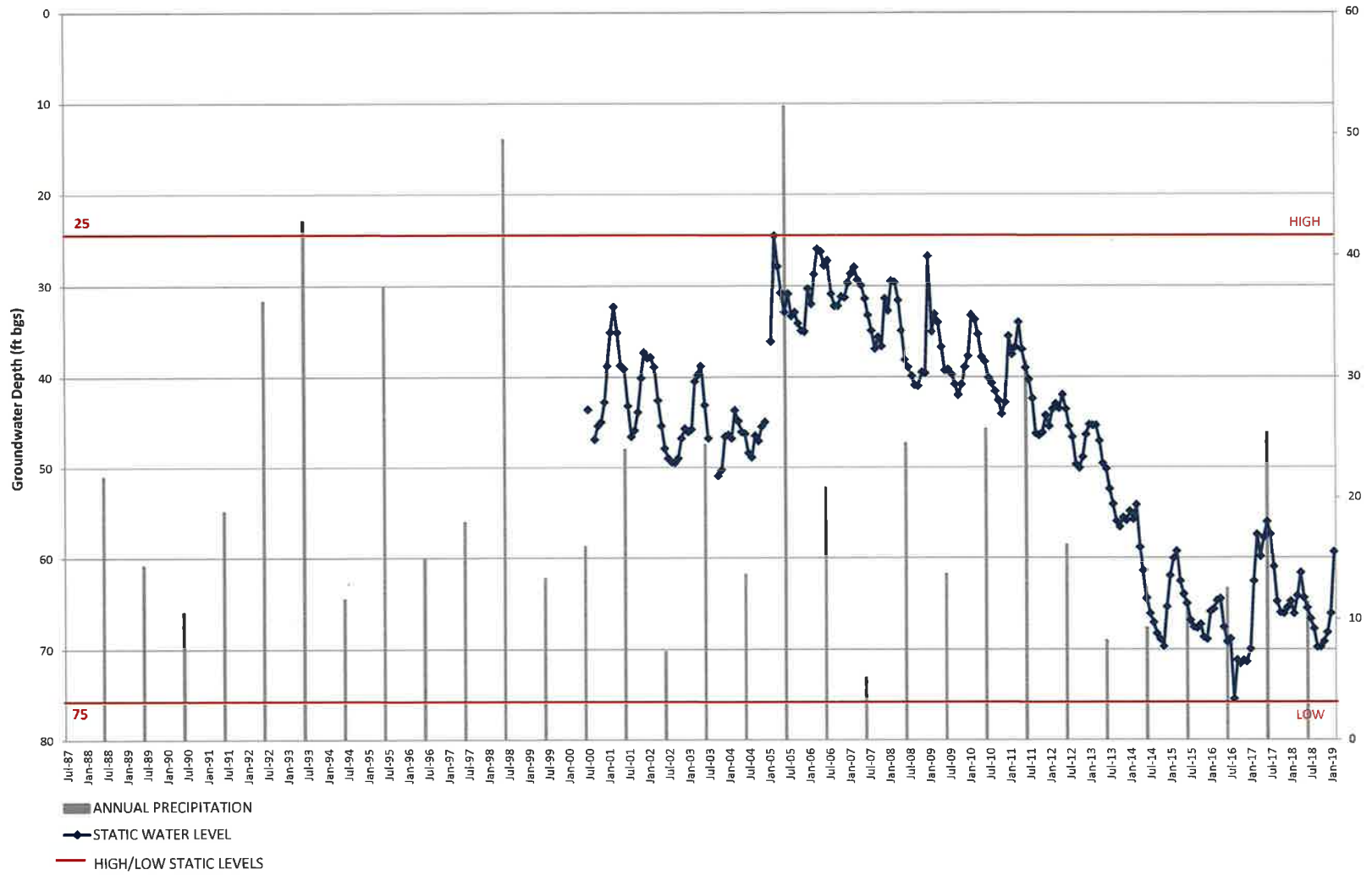
SCV WATER WELL S6
STATIC WATER LEVEL VS PRECIPITATION



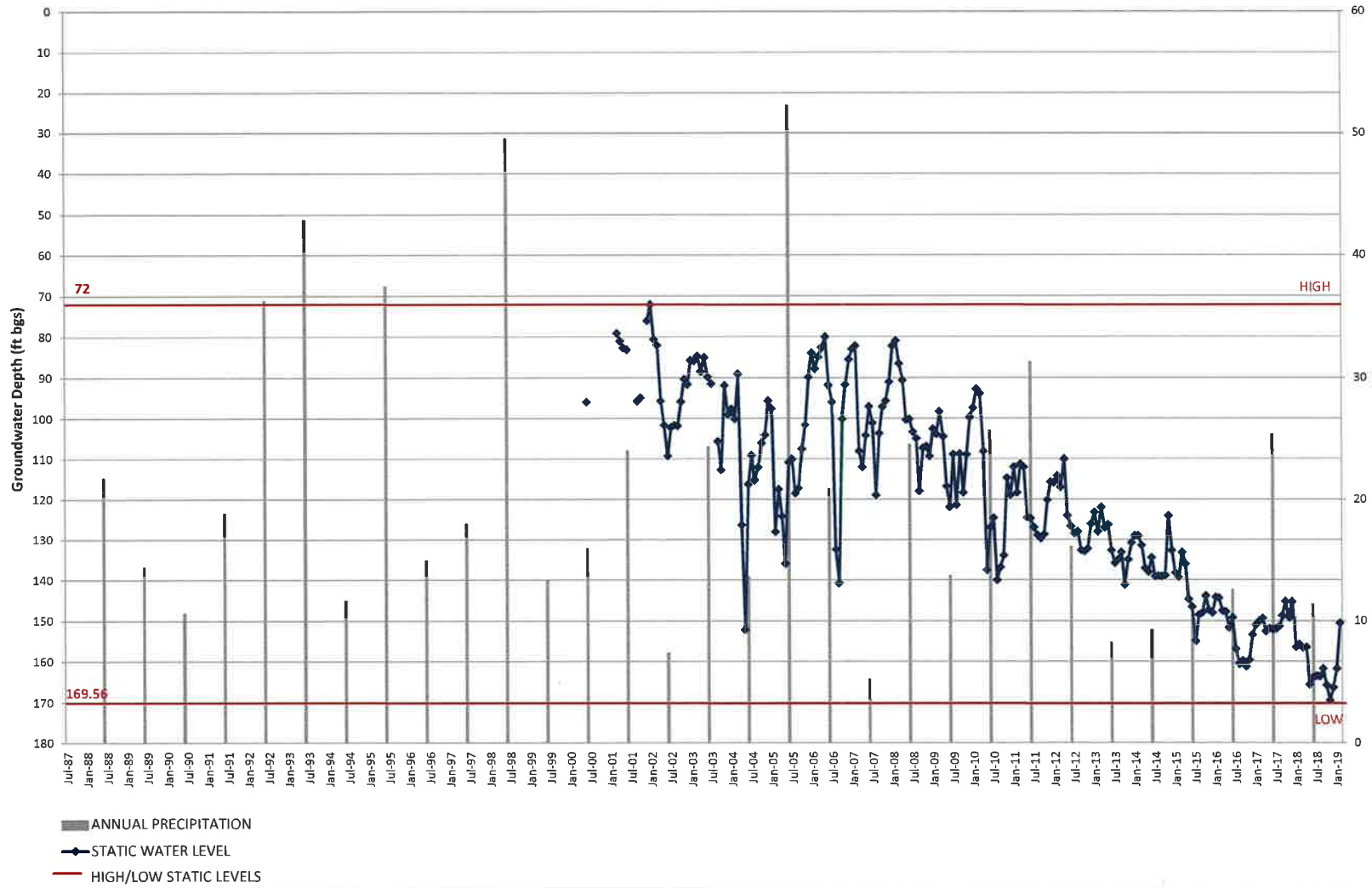
SCV WATER WELL S7
STATIC WATER LEVEL VS PRECIPITATION



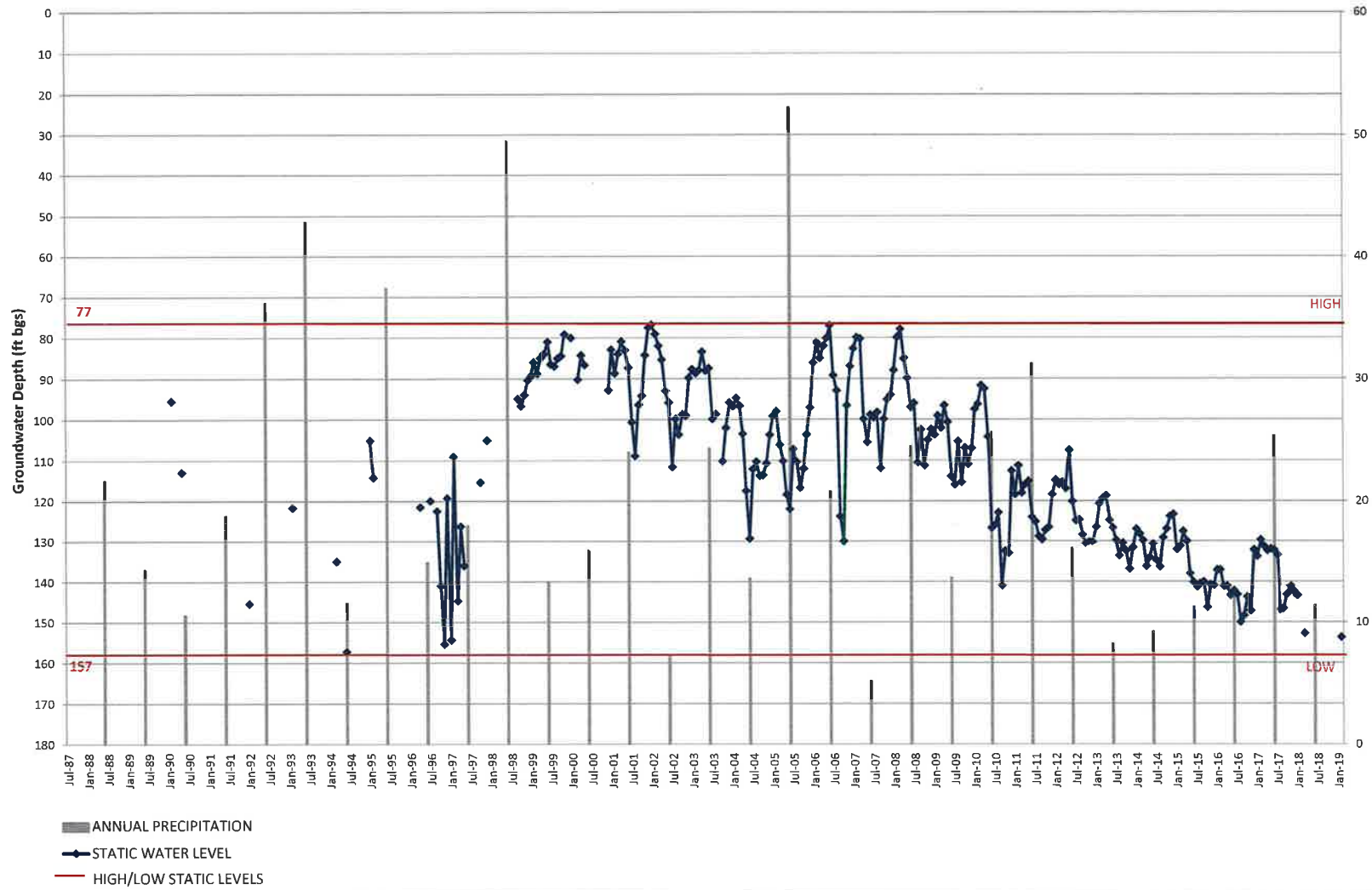
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 STATIC WATER LEVEL VS PRECIPITATION



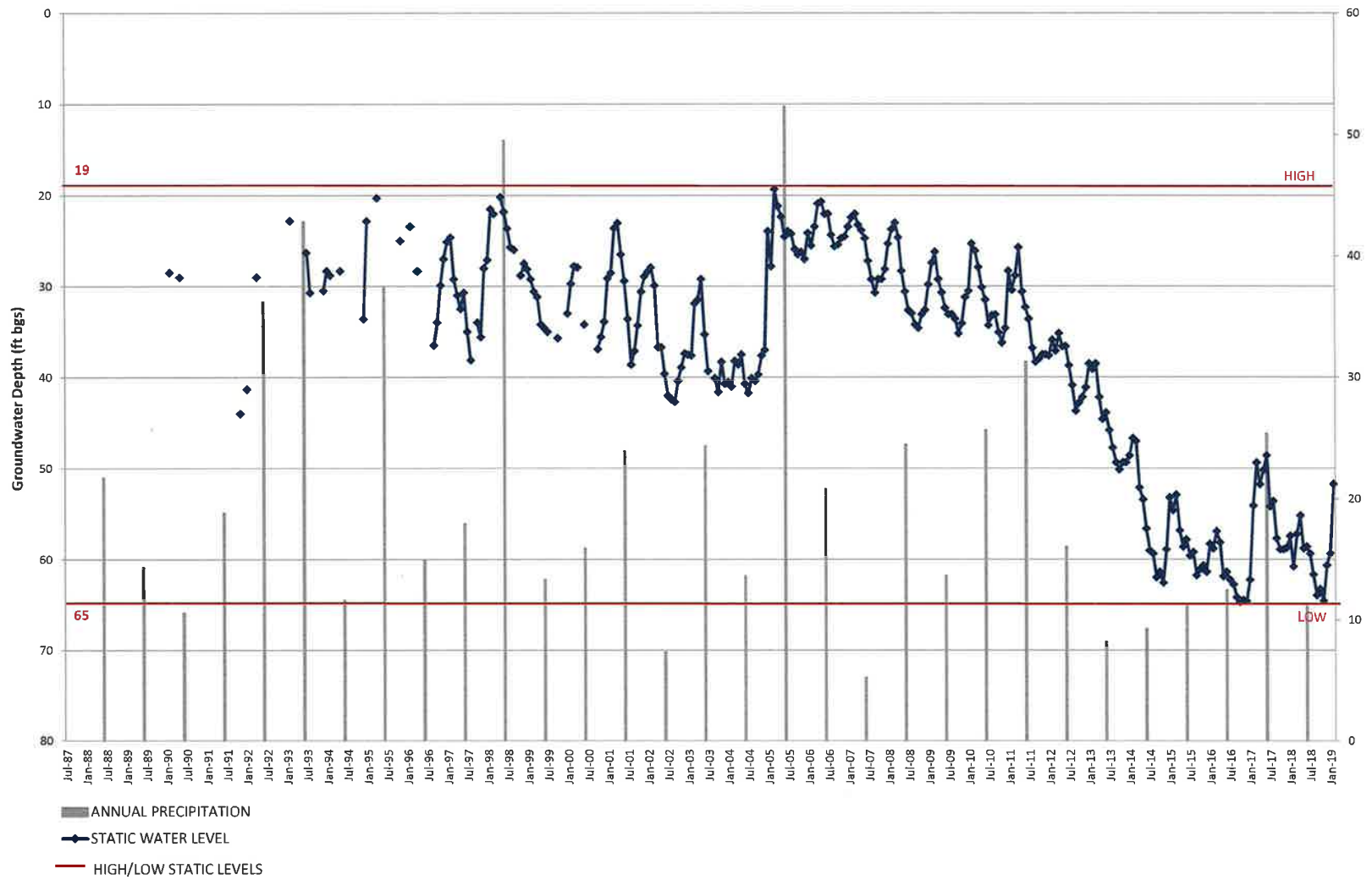
SCV WATER WELL 205
STATIC WATER LEVEL VS PRECIPITATION



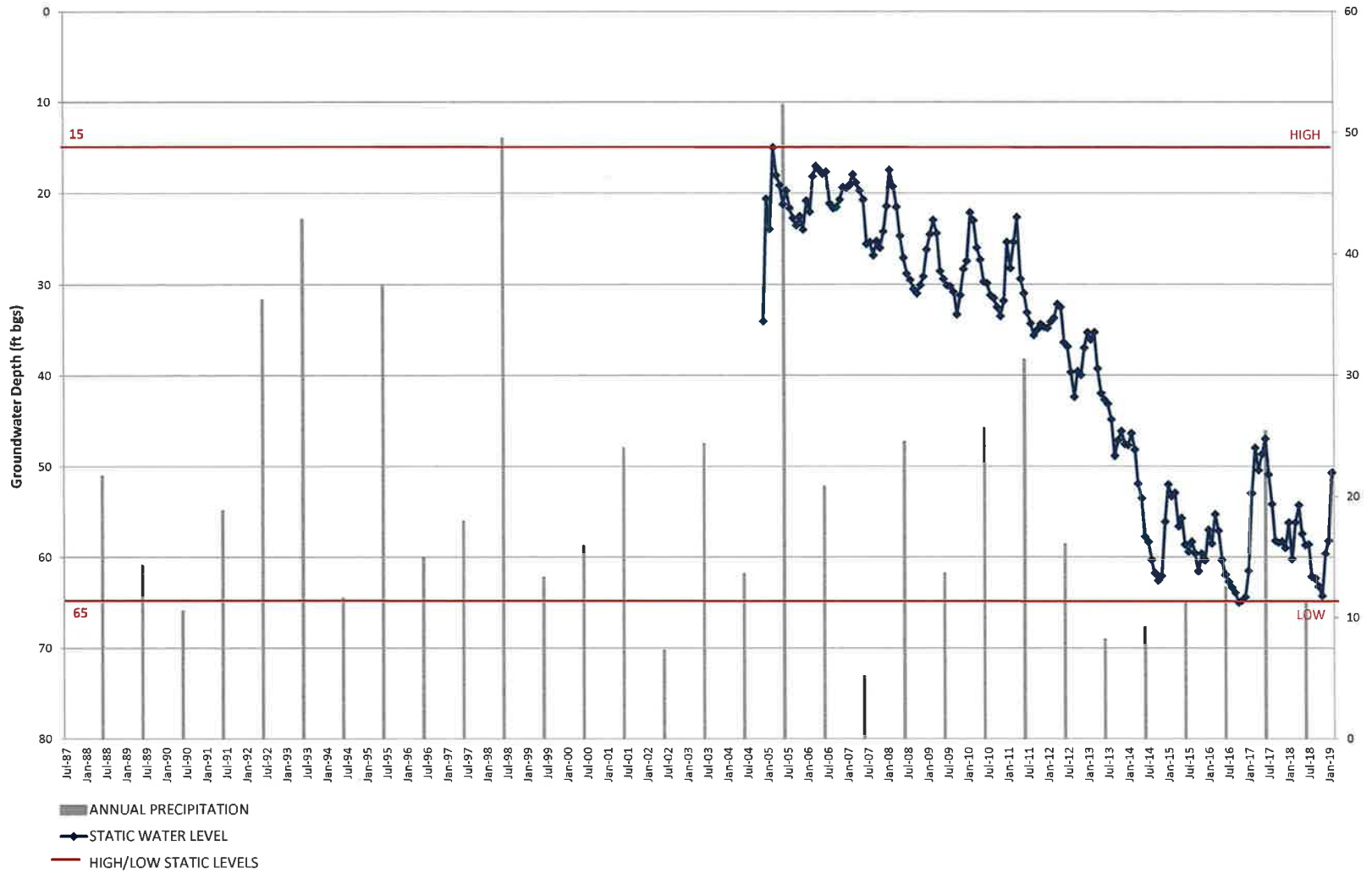
SCV WATER WELL 201
STATIC WATER LEVEL VS PRECIPITATION



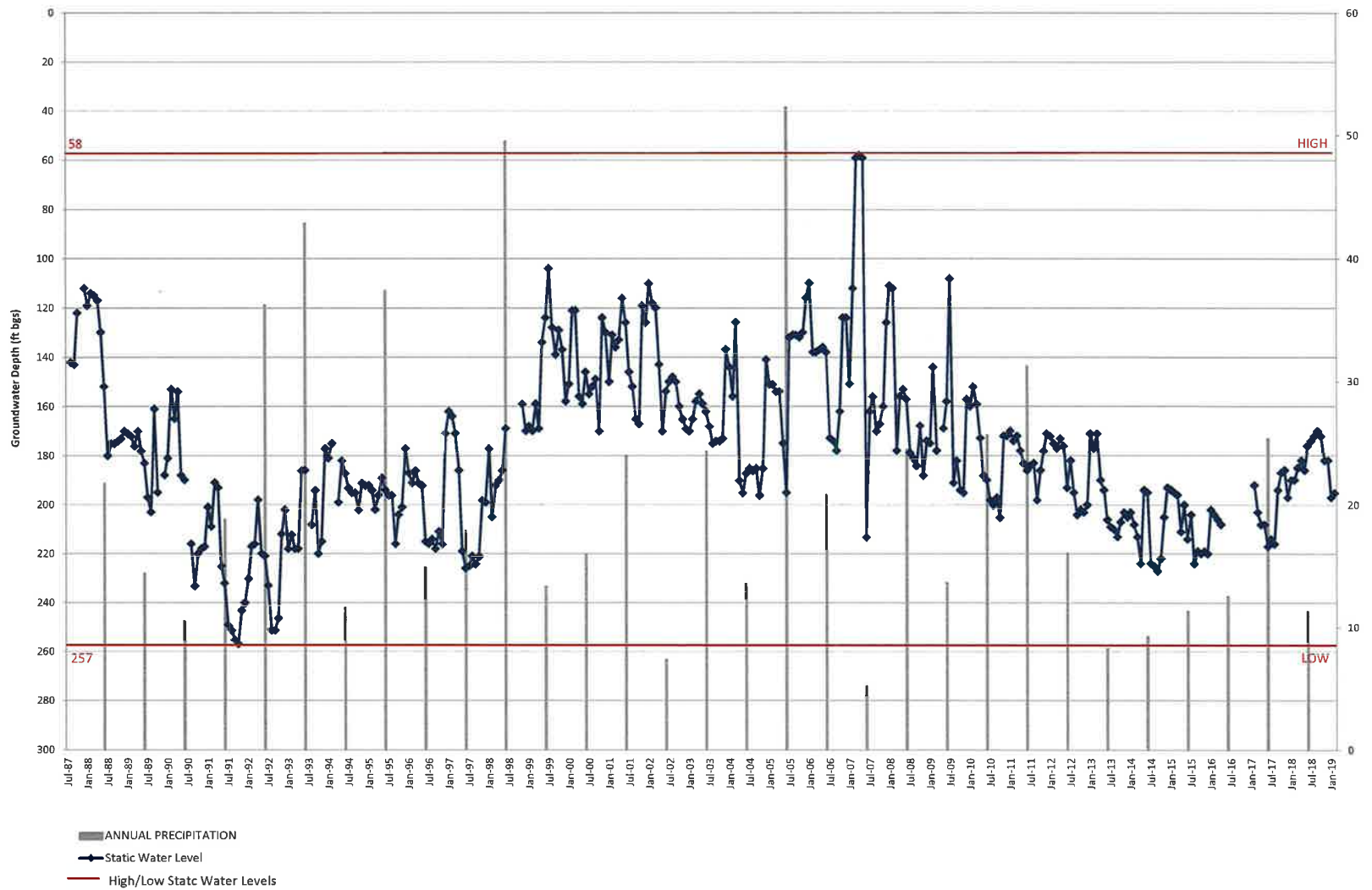
SCV WATER WELL N
STATIC WATER LEVEL VS PRECIPITATION



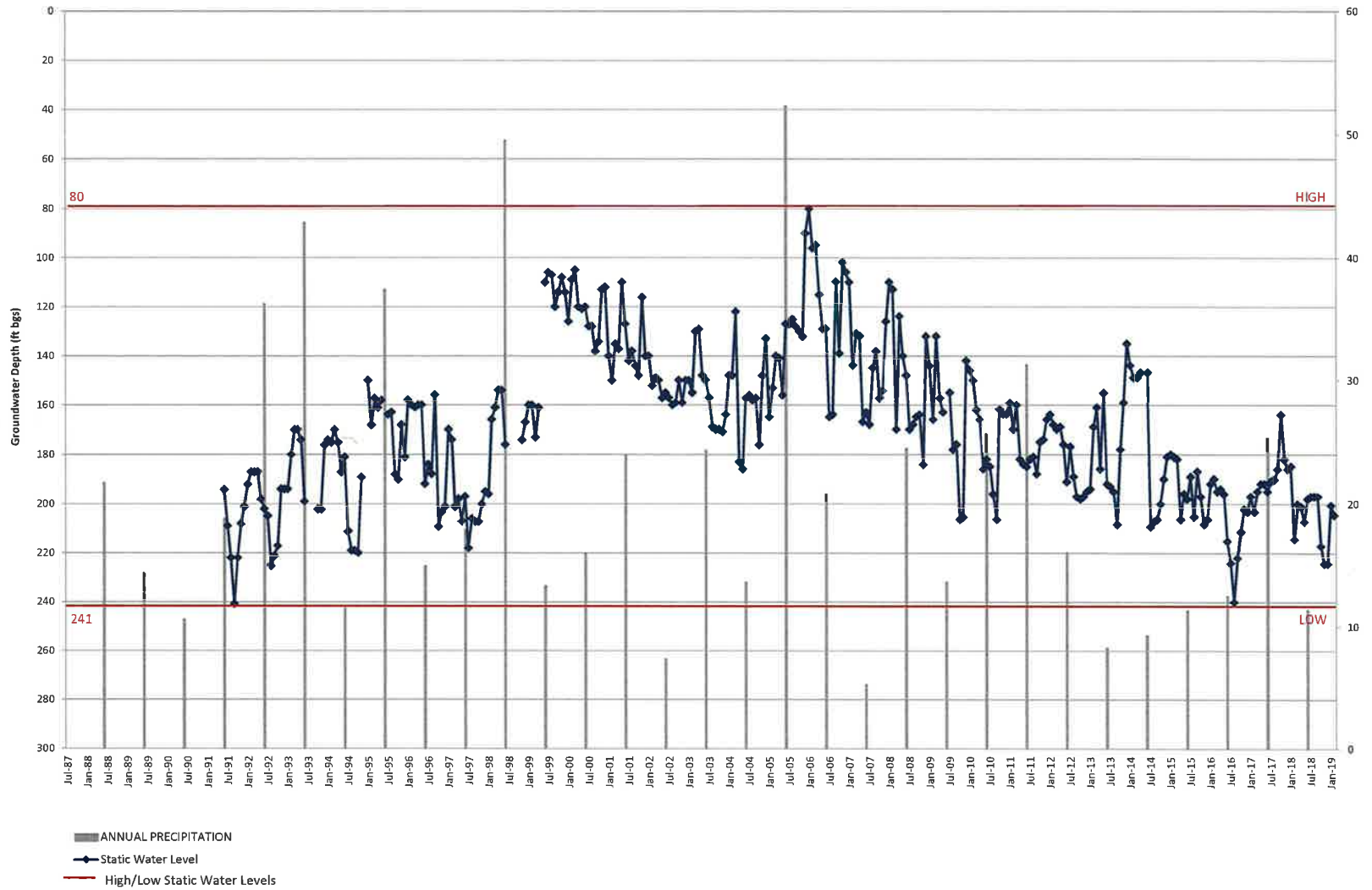
SCV WATER WELL N7
STATIC WATER LEVEL VS PRECIPITATION



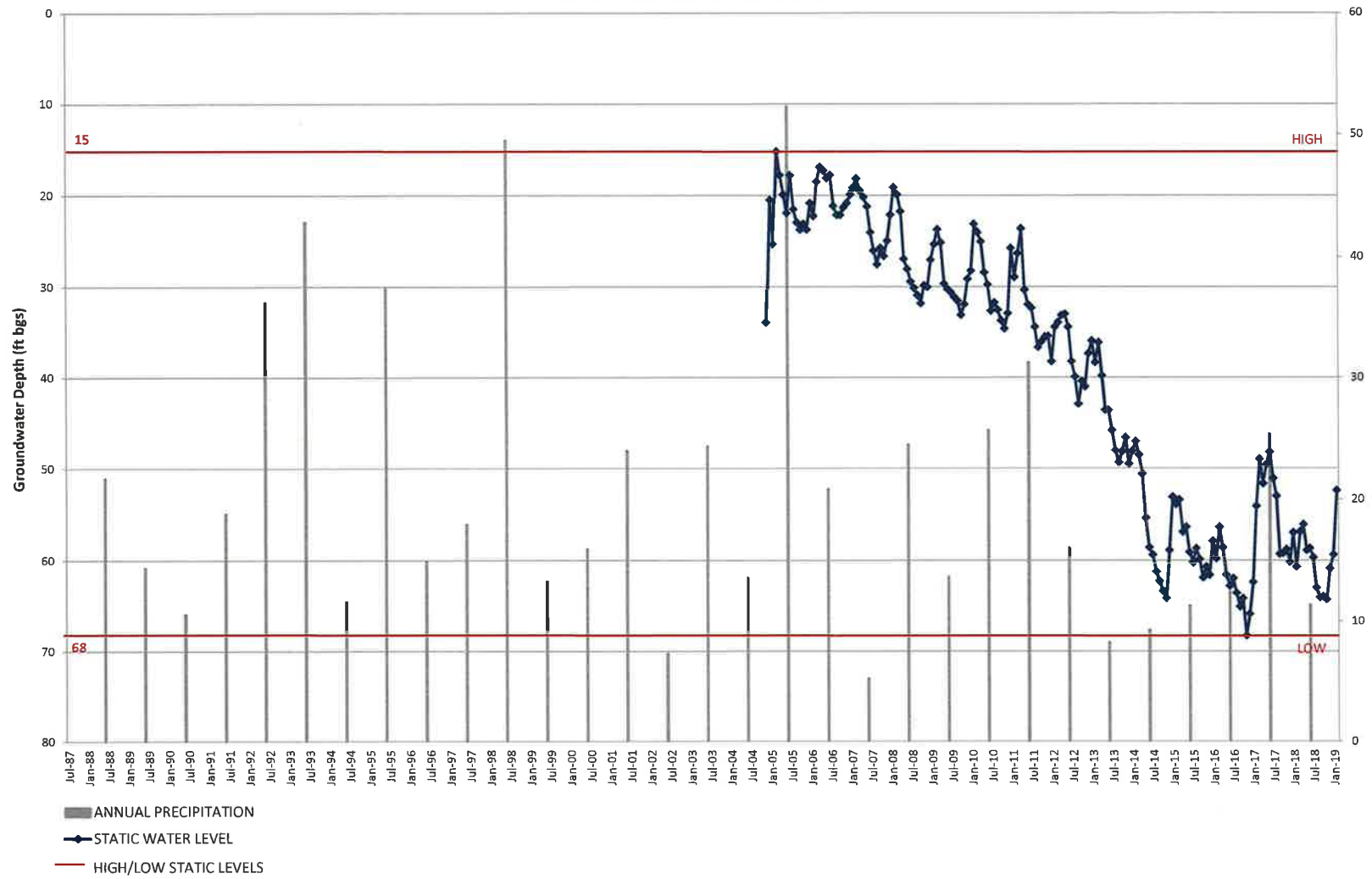
SCV WATER WELL N12
 STATIC WATER LEVEL VS PRECIPITATION



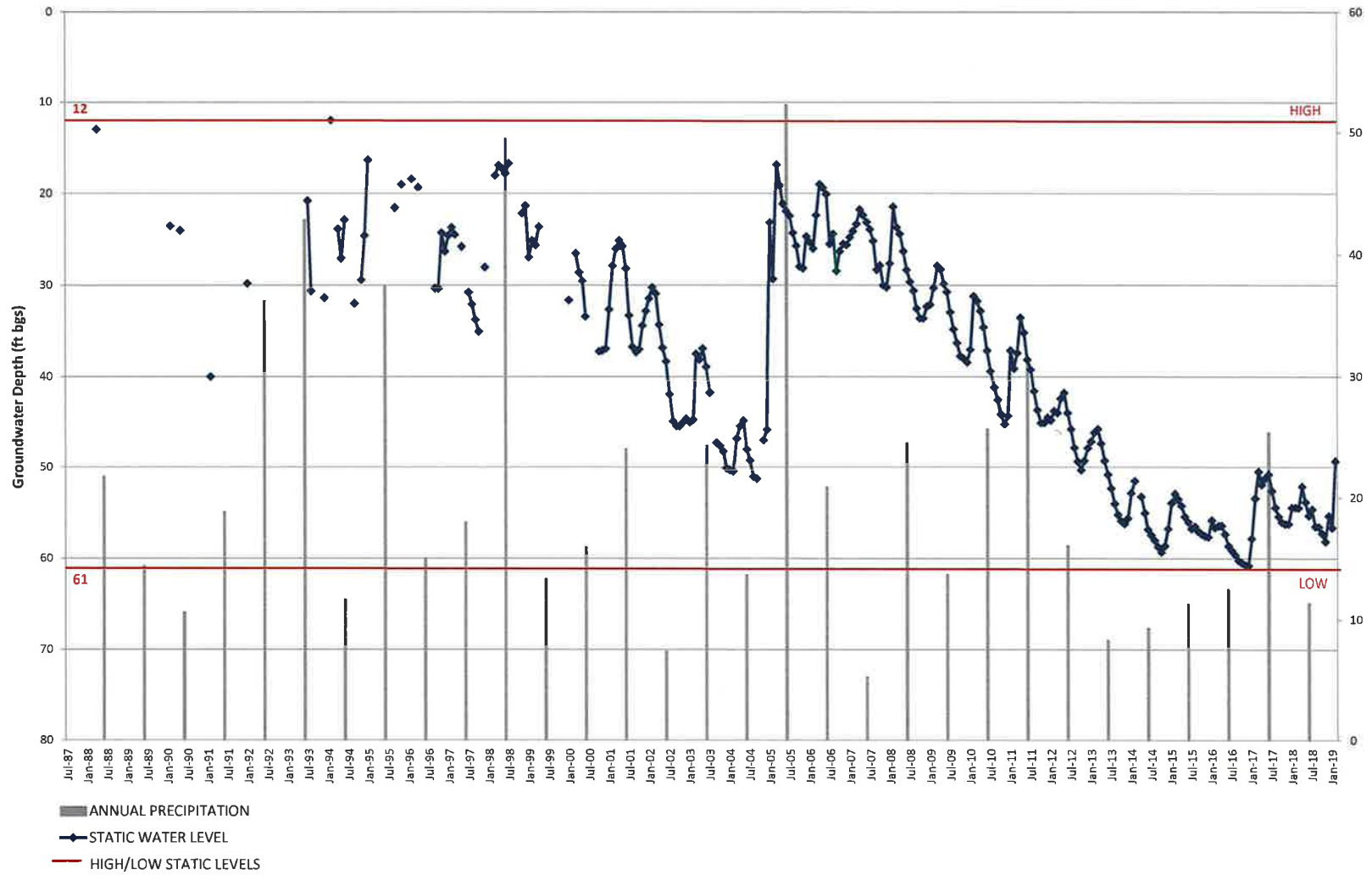
SCV WATER WELL N13
STATIC WATER LEVEL VS PRECIPITATION



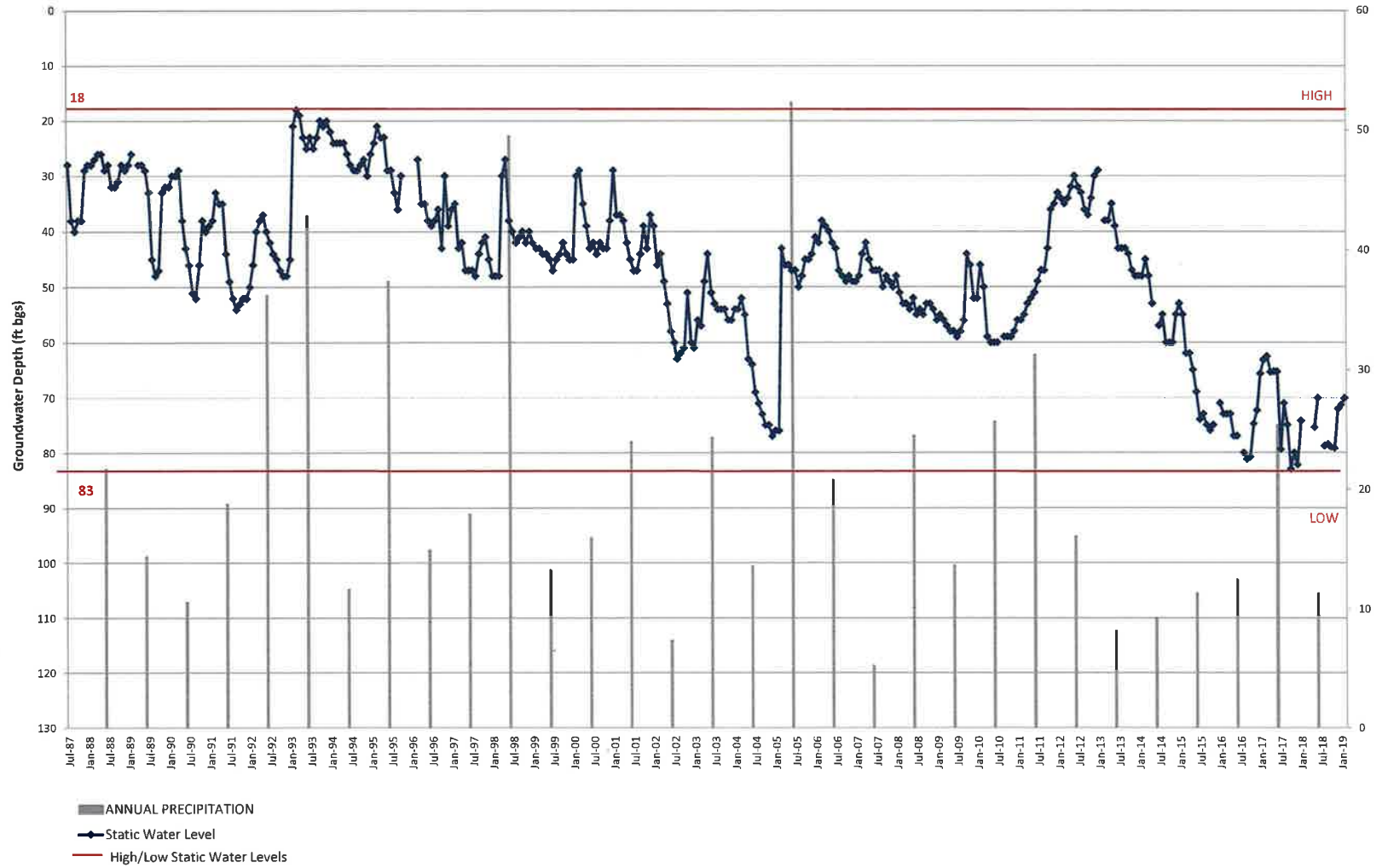
SCV WATER WELL N8
 STATIC WATER LEVEL VS PRECIPITATION



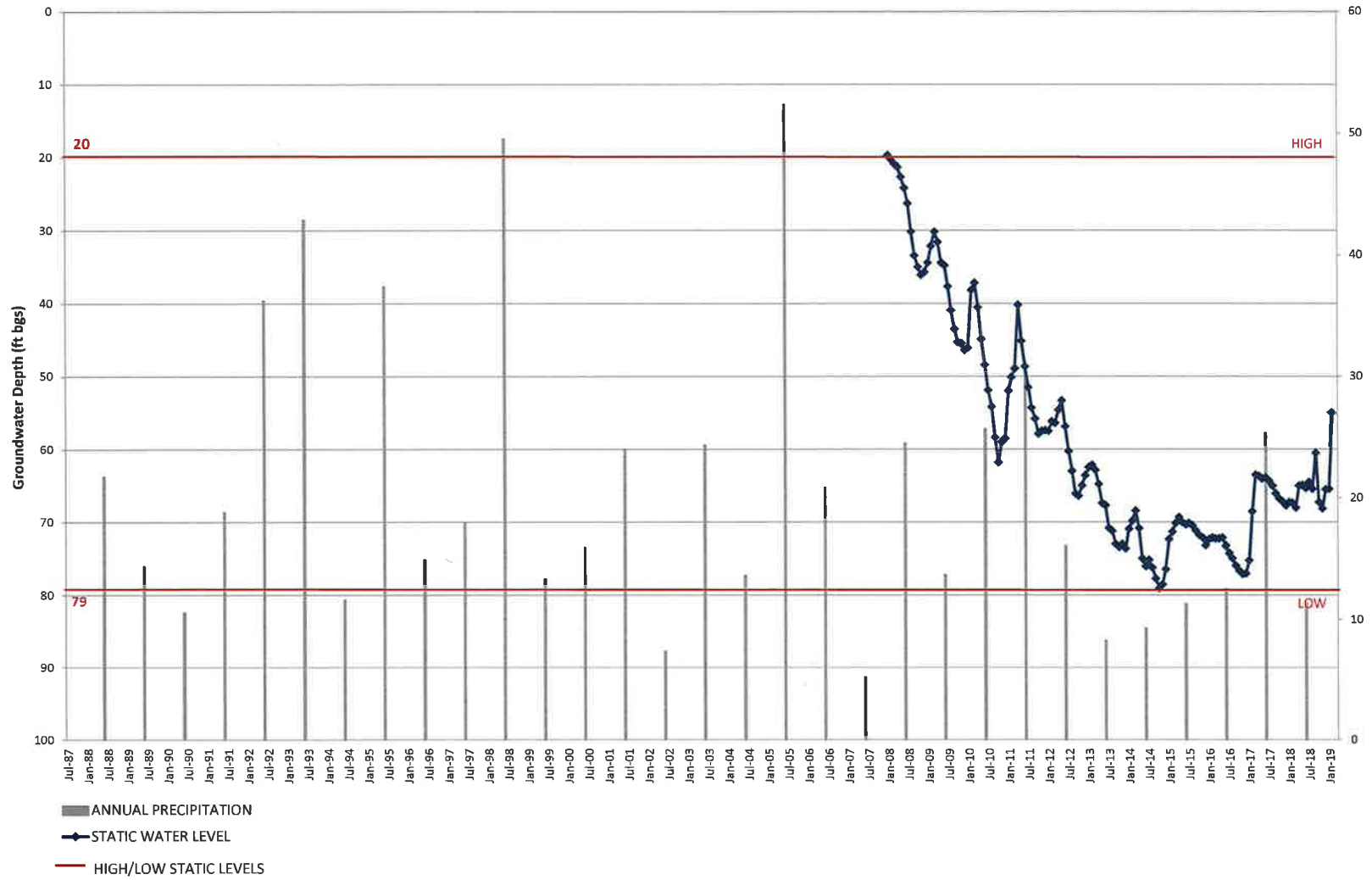
SCV WATER WELL Q2
 STATIC WATER LEVEL VS PRECIPITATION



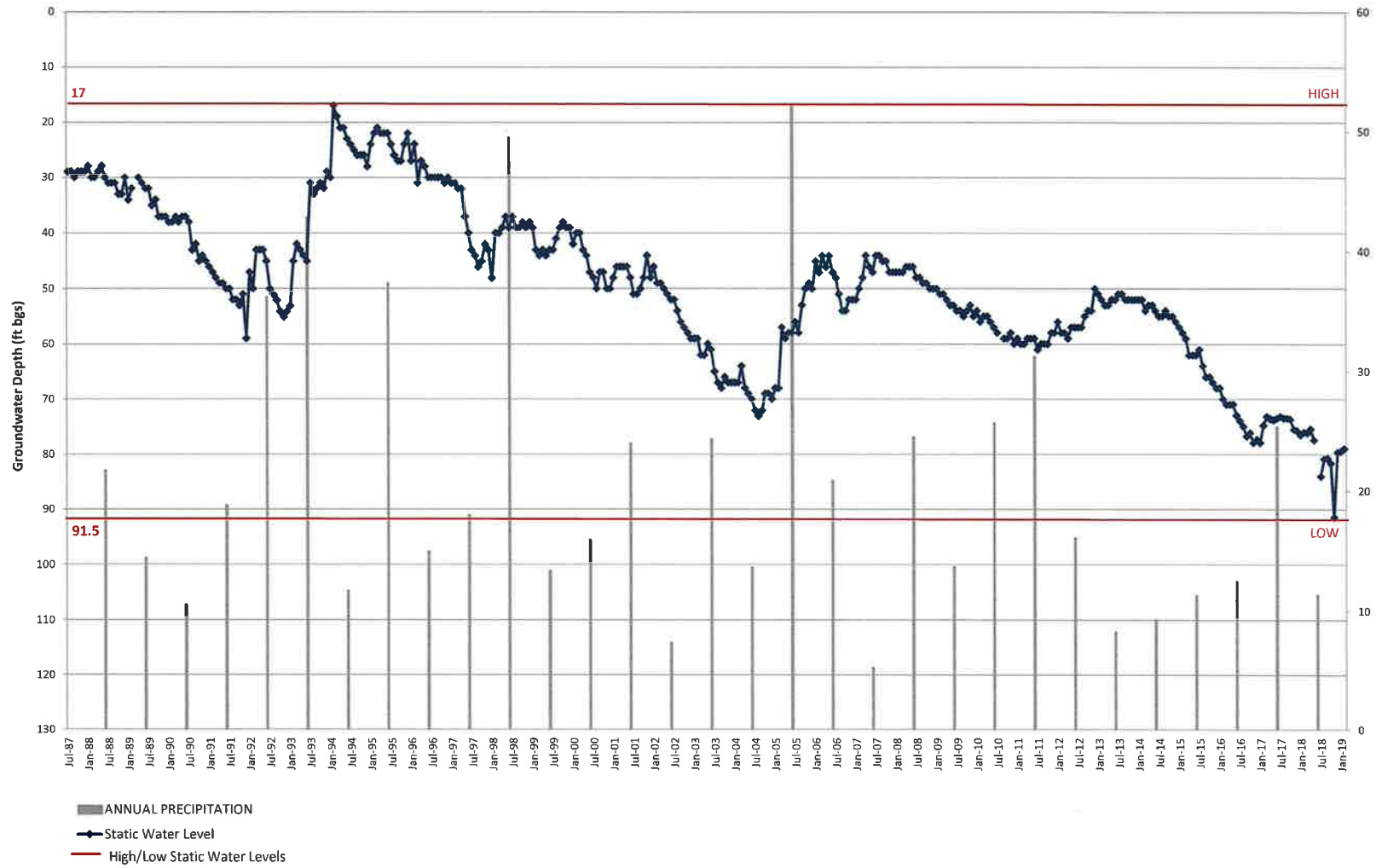
SCV WATER WELL GUIDA #14
 STATIC WATER LEVEL VS PRECIPITATION



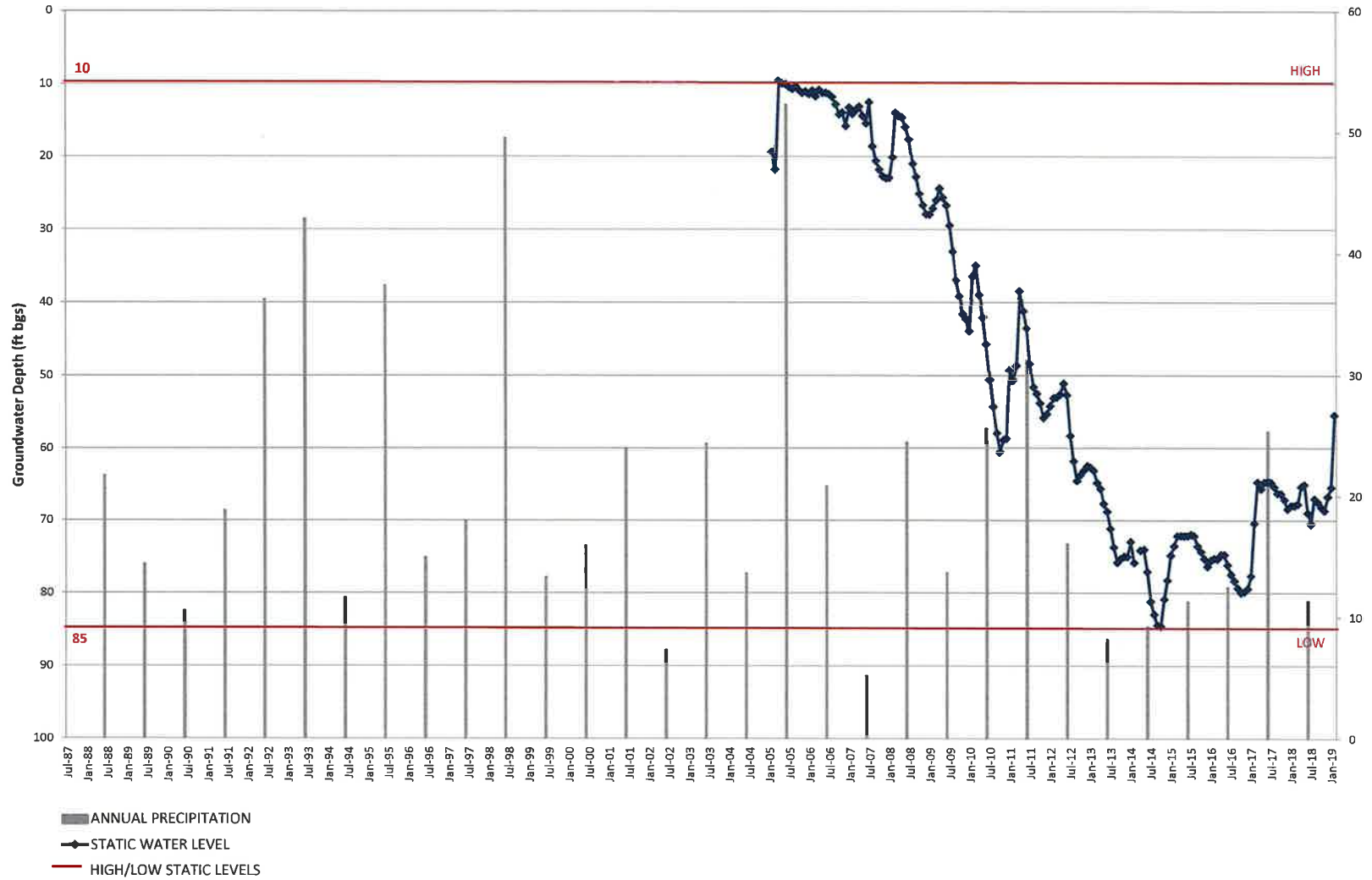
SCV WATER WELL T7
 STATIC WATER LEVEL VS PRECIPITATION



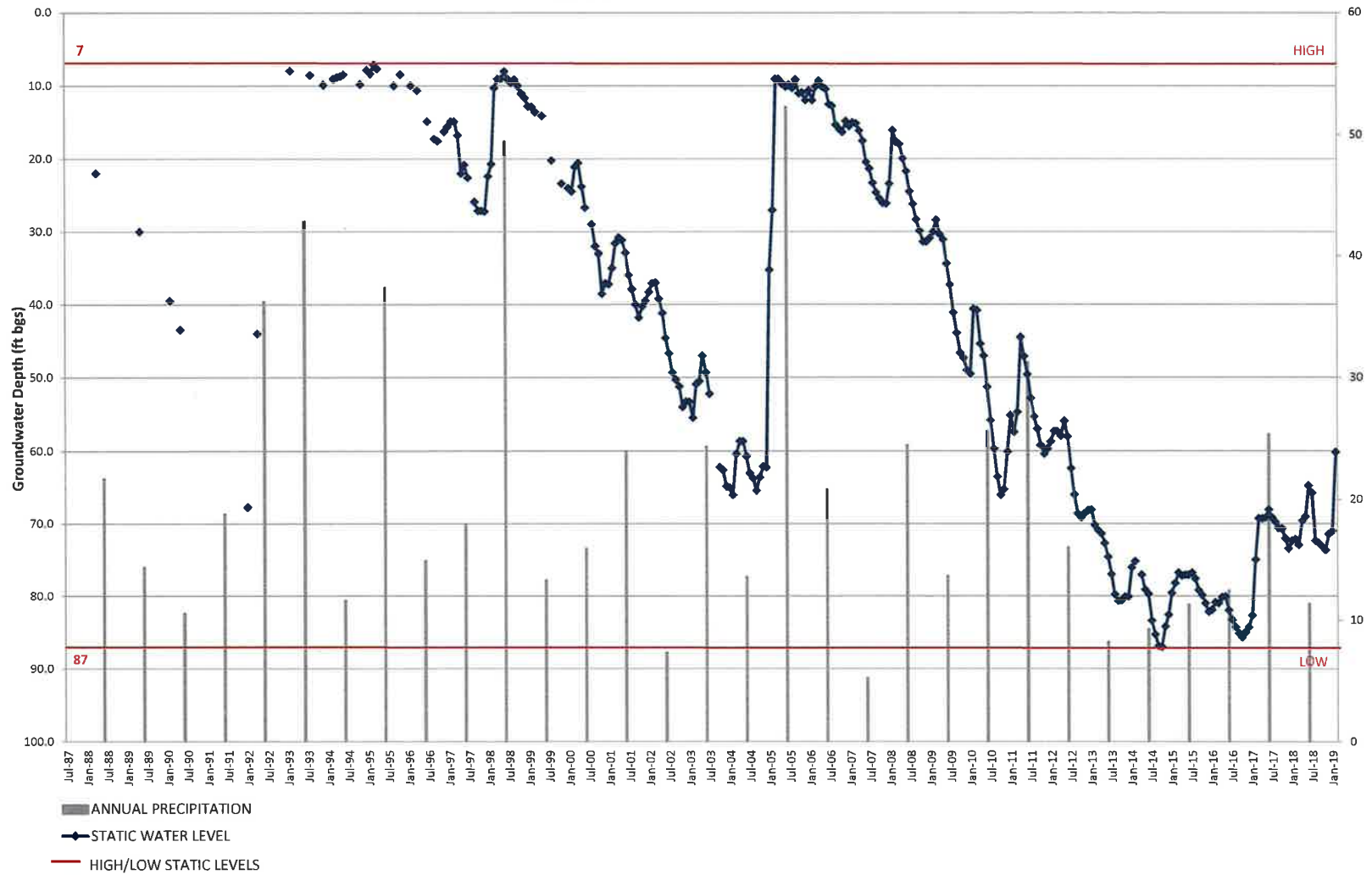
SCV WATER WELL CLARK #15
STATIC WATER LEVEL VS PRECIPITATION



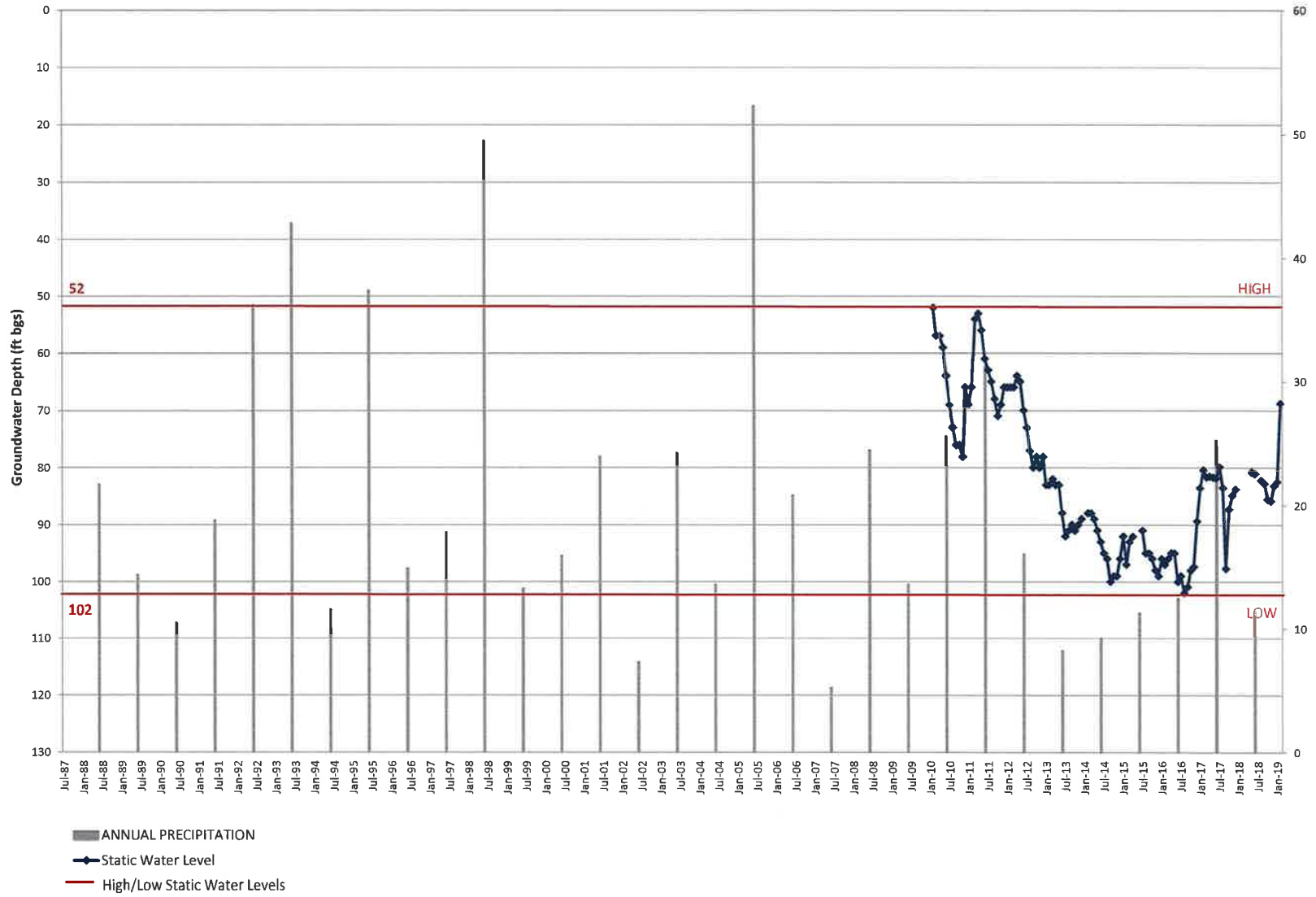
SCV WATER WELL U6
STATIC WATER LEVEL VS PRECIPITATION



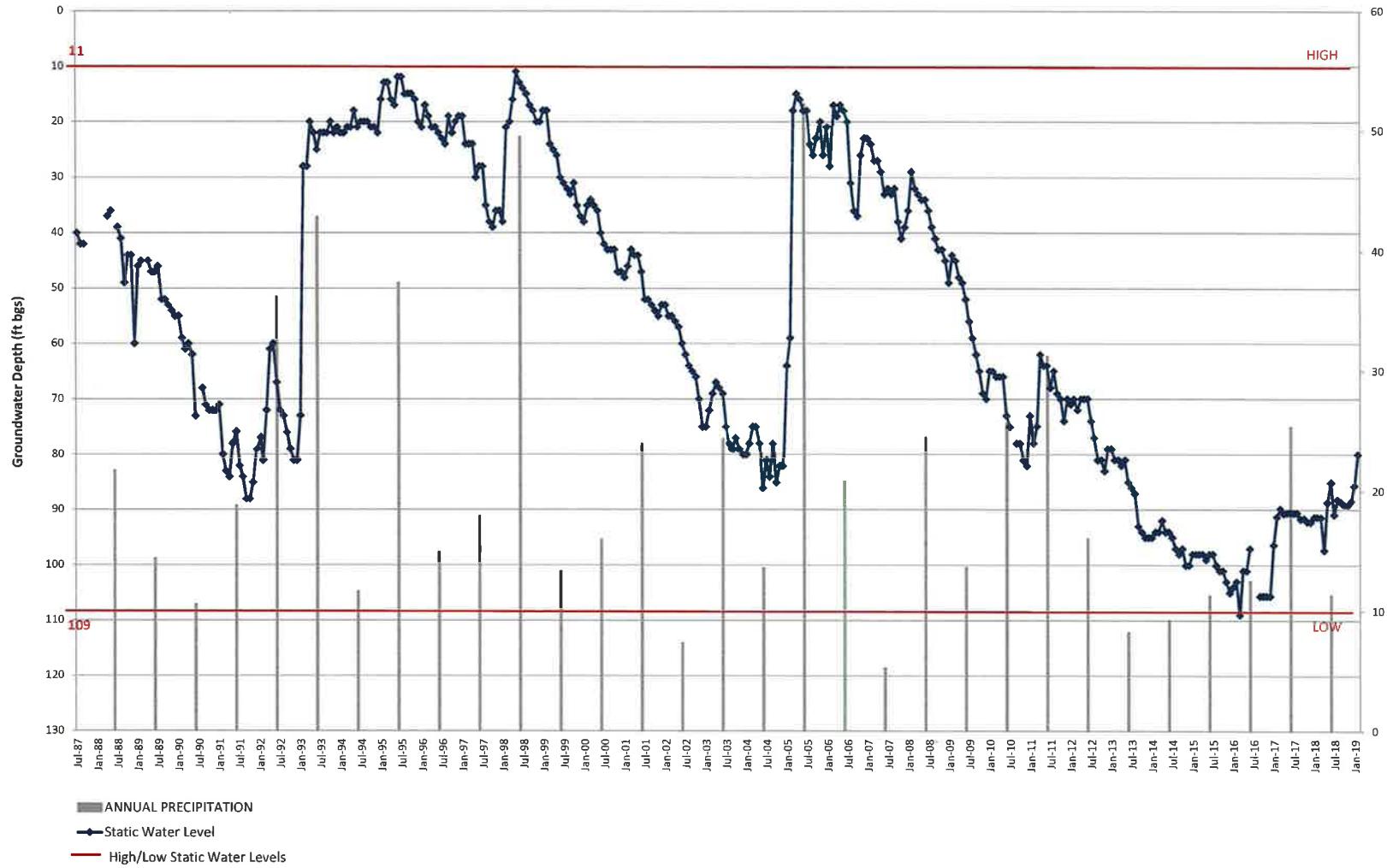
SCV WATER WELL U4
STATIC WATER LEVEL VS PRECIPITATION



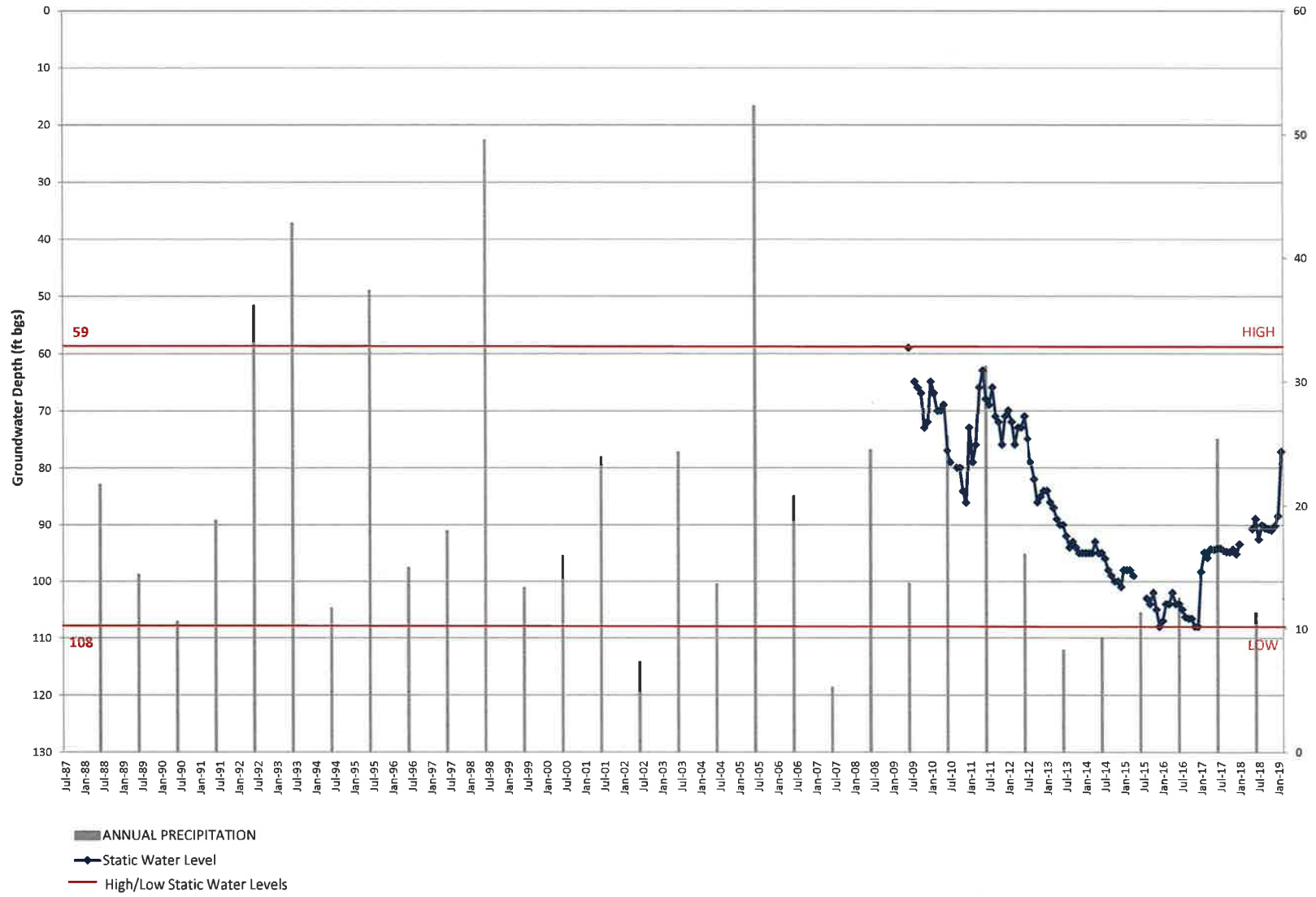
**SCV WATER WELL VALLEY CENTER
STATIC WATER LEVEL VS PRECIPITATION**



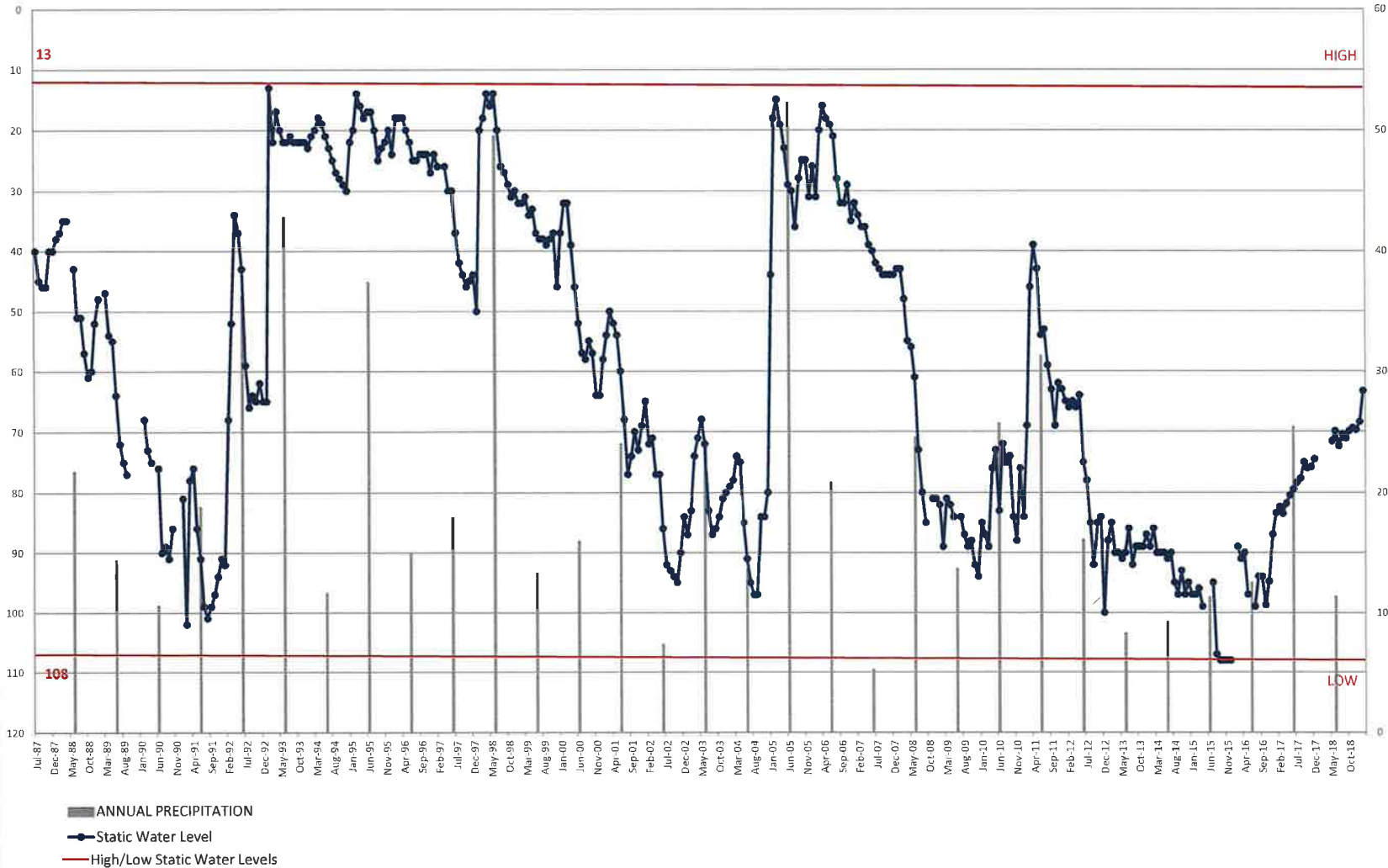
SCV WATER WELL HONBY #12
 STATIC WATER LEVEL VS PRECIPITATION



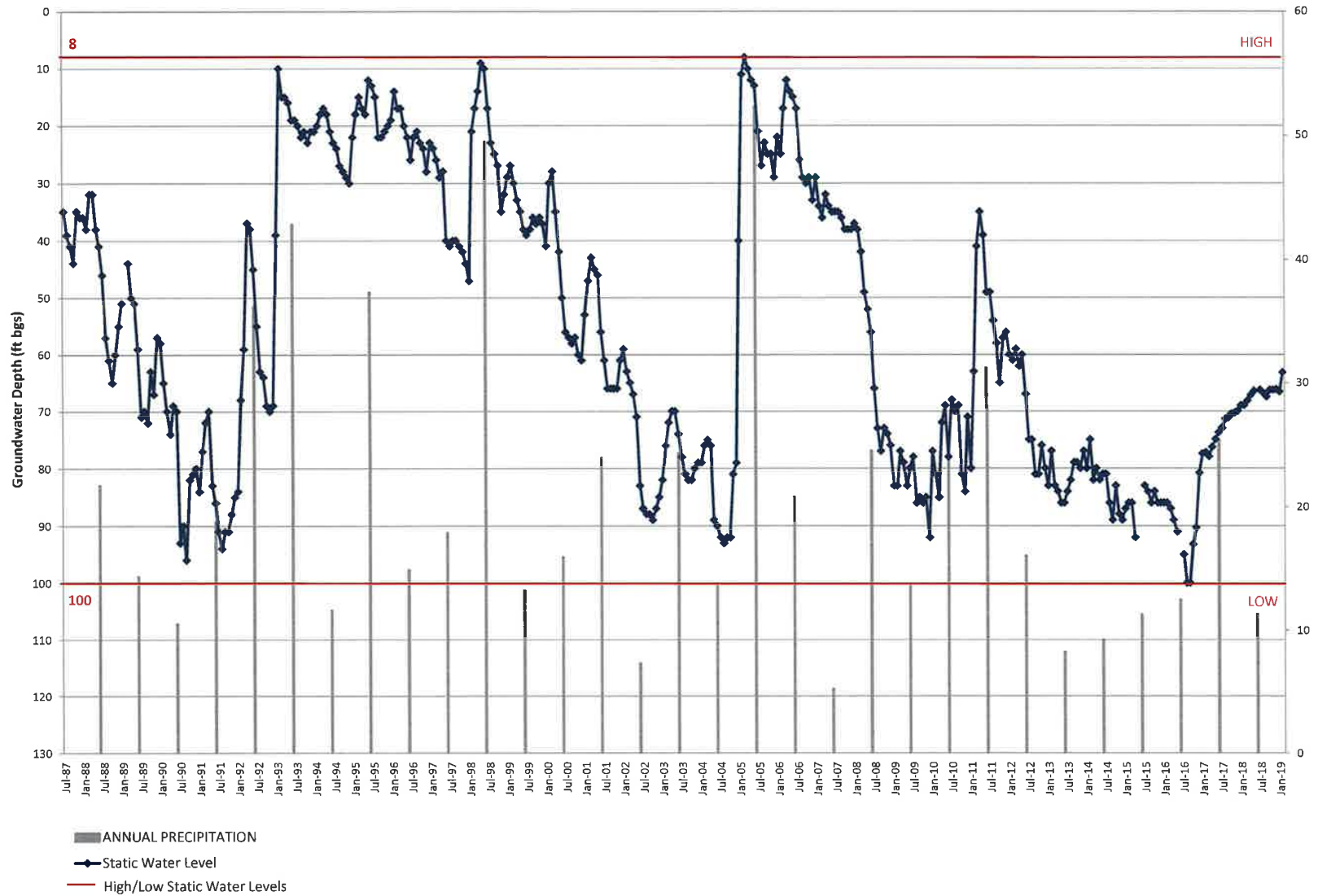
SCV WATER WELL SANTA CLARA
STATIC WATER LEVEL VS PRECIPITATION



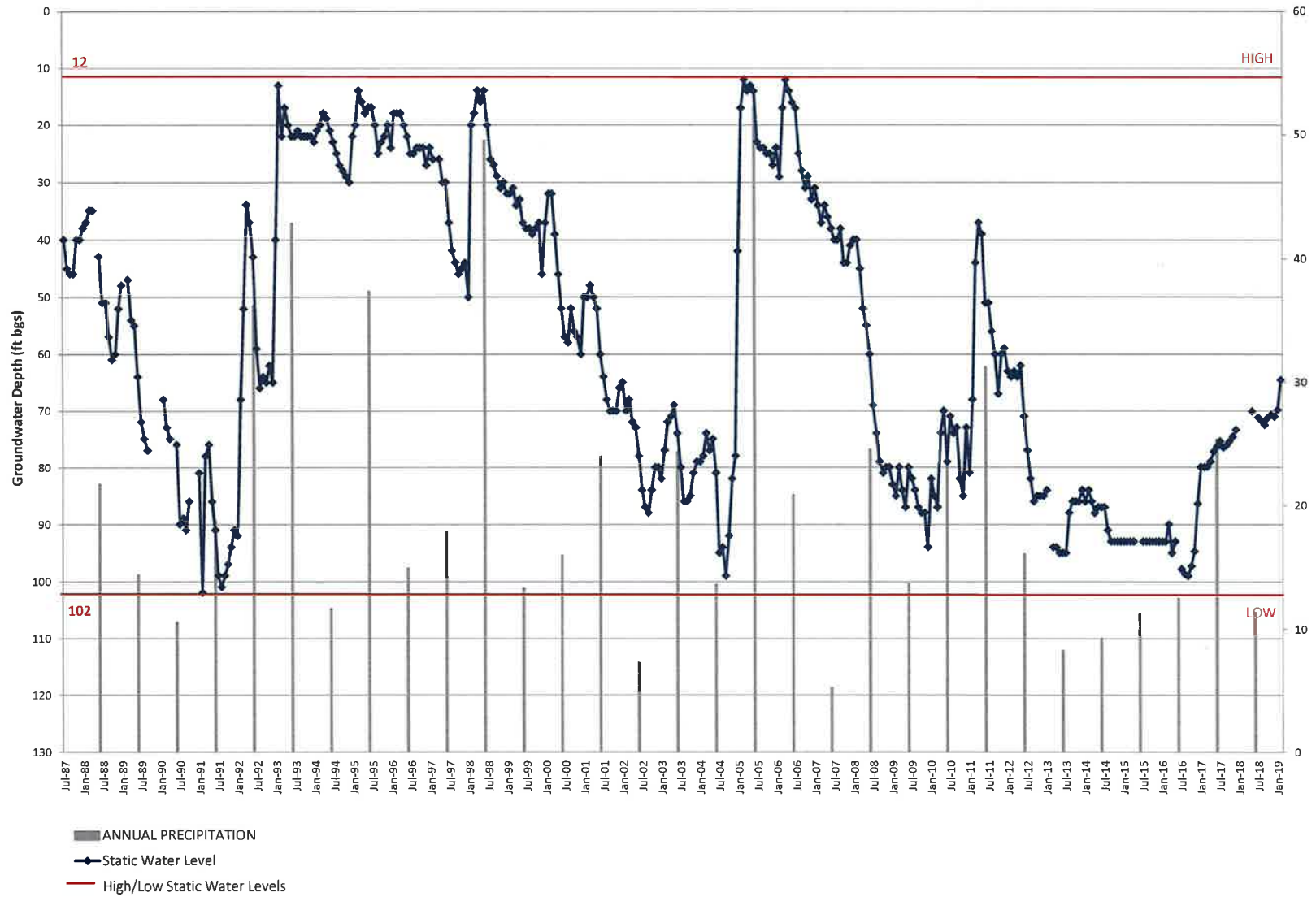
SCV WATER WELL NORTH OAKS CENTRAL #8
STATIC WATER LEVEL VS. PRECIPITATION



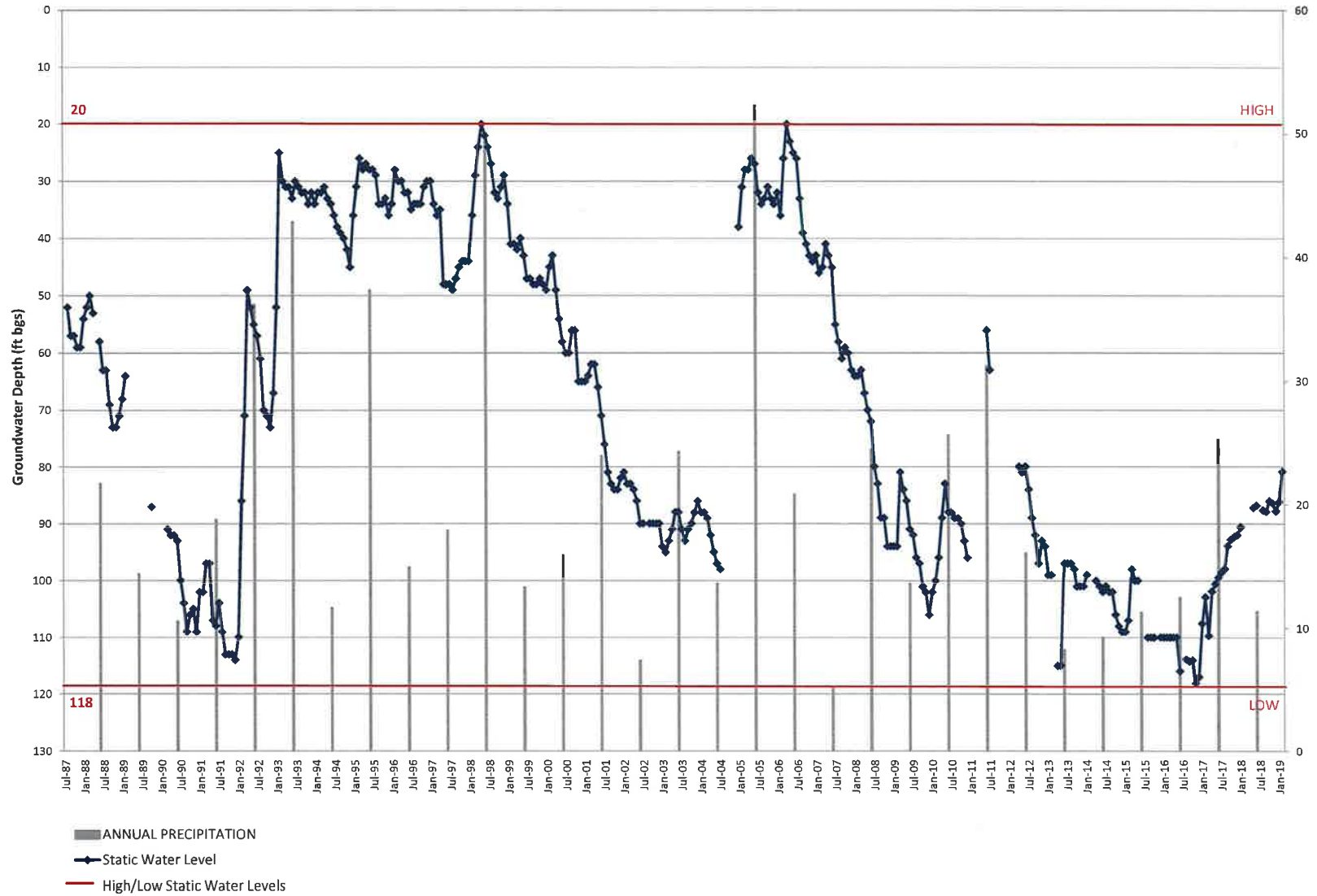
SCV WATER WELL NORTH OAKS WEST #9
 STATIC WATER LEVEL VS PRECIPITATION



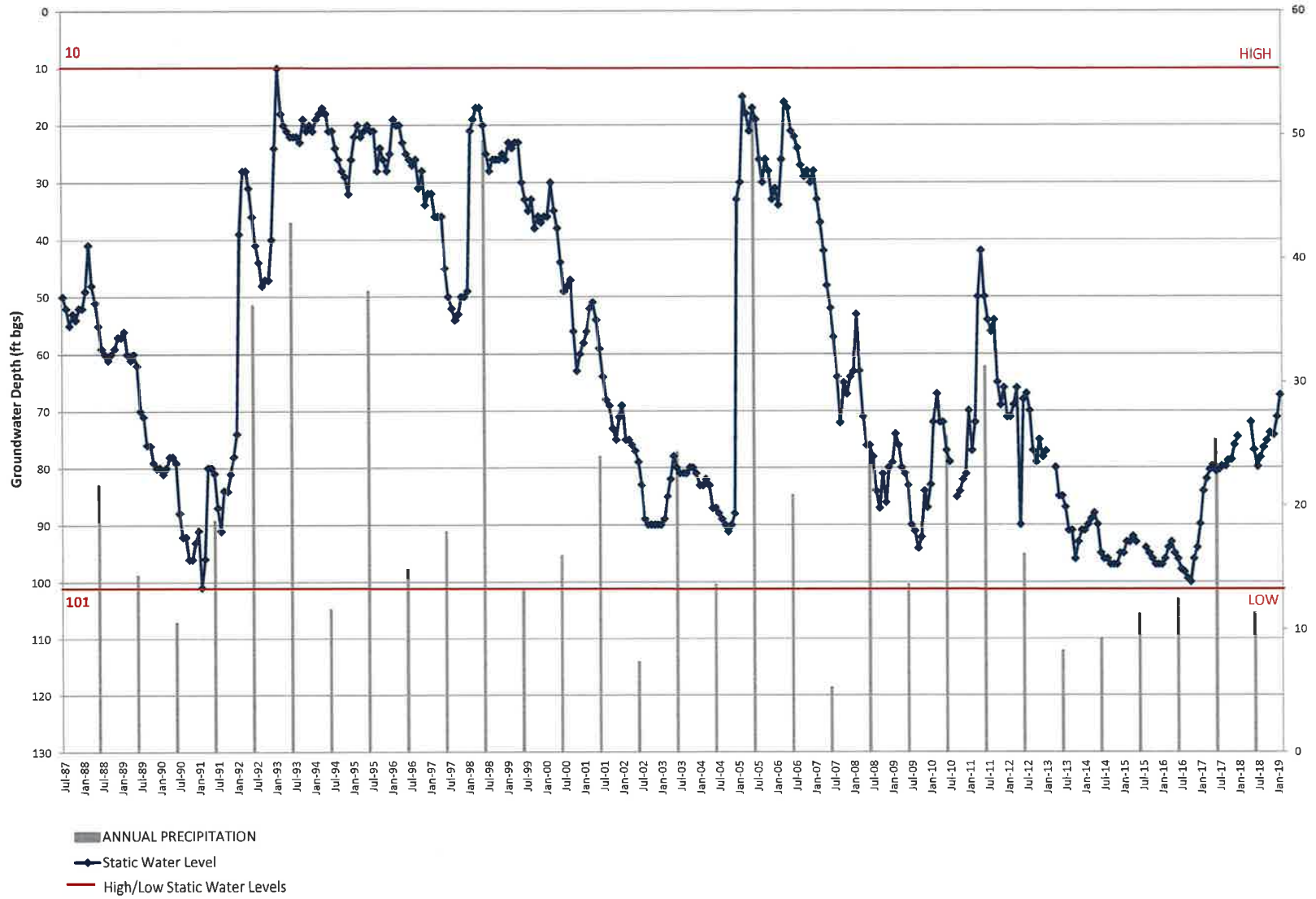
SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL VS PRECIPITATION



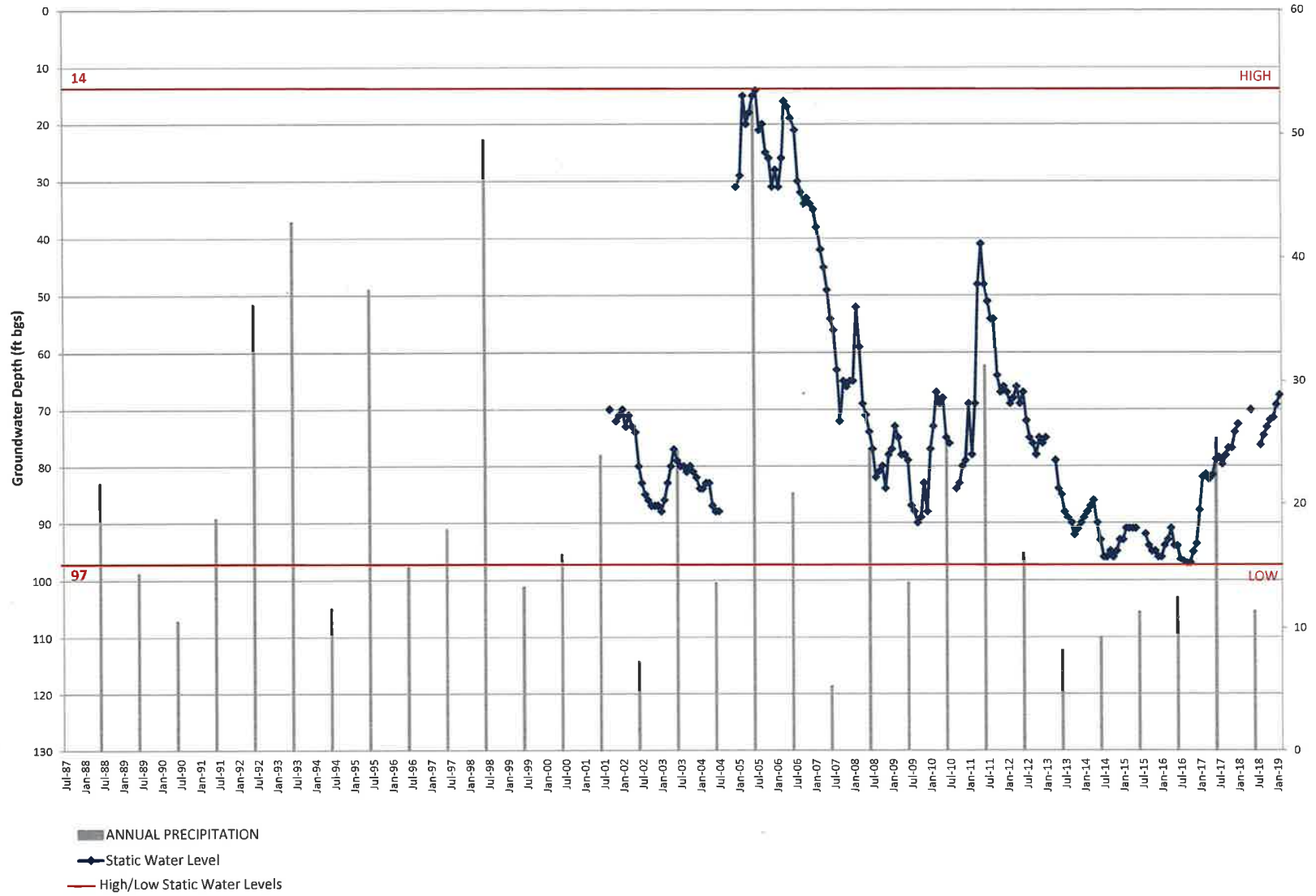
SCV WATER WELL SIERRA #6
STATIC WATER LEVEL VS PRECIPITATION



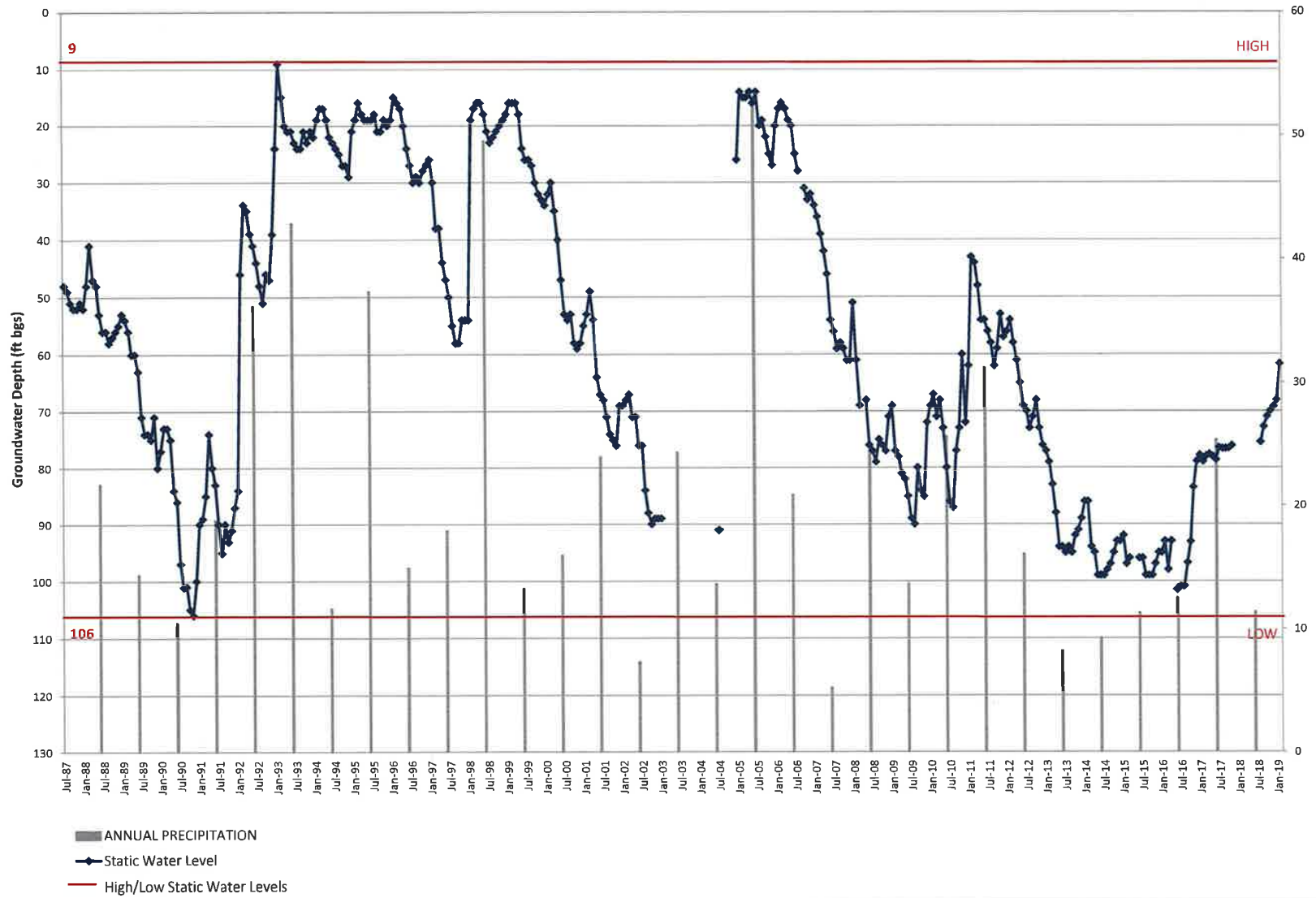
SCV WATER WELL MITCHELL #5A
 STATIC WATER LEVEL VS PRECIPITATION



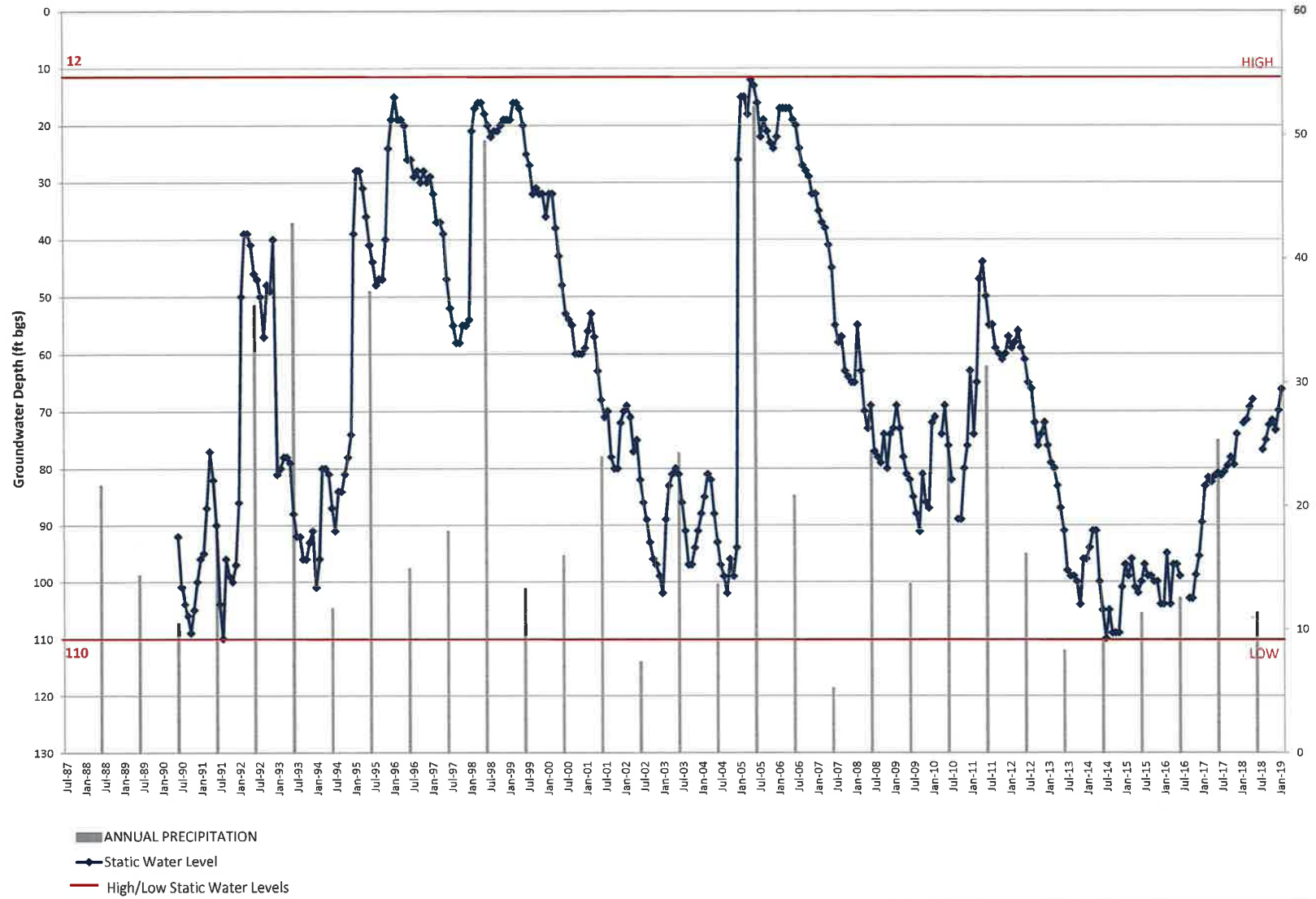
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL VS PRECIPITATION



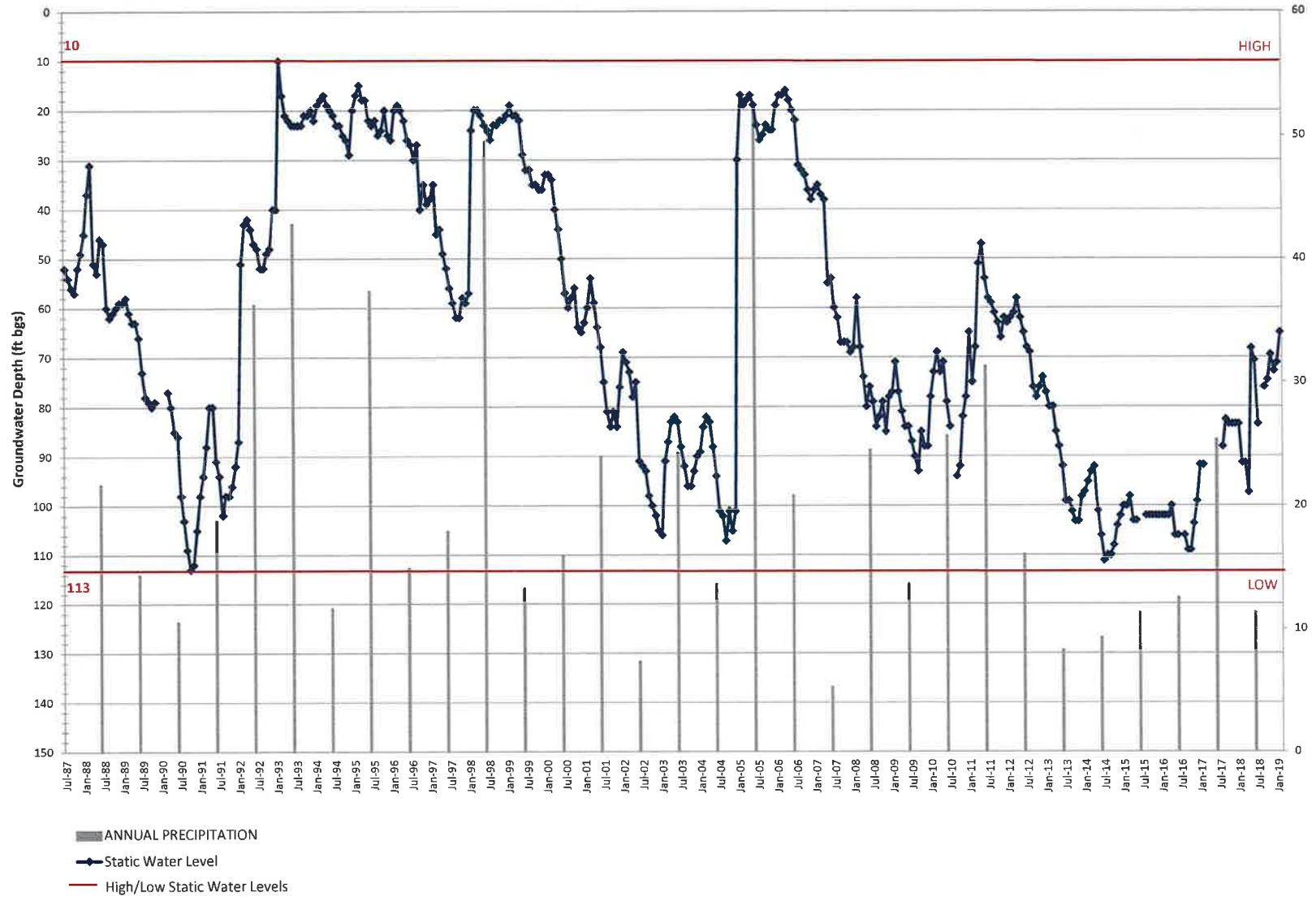
SCV WATER WELL SAND CANYON #3
STATIC WATER LEVEL VS PRECIPITATION



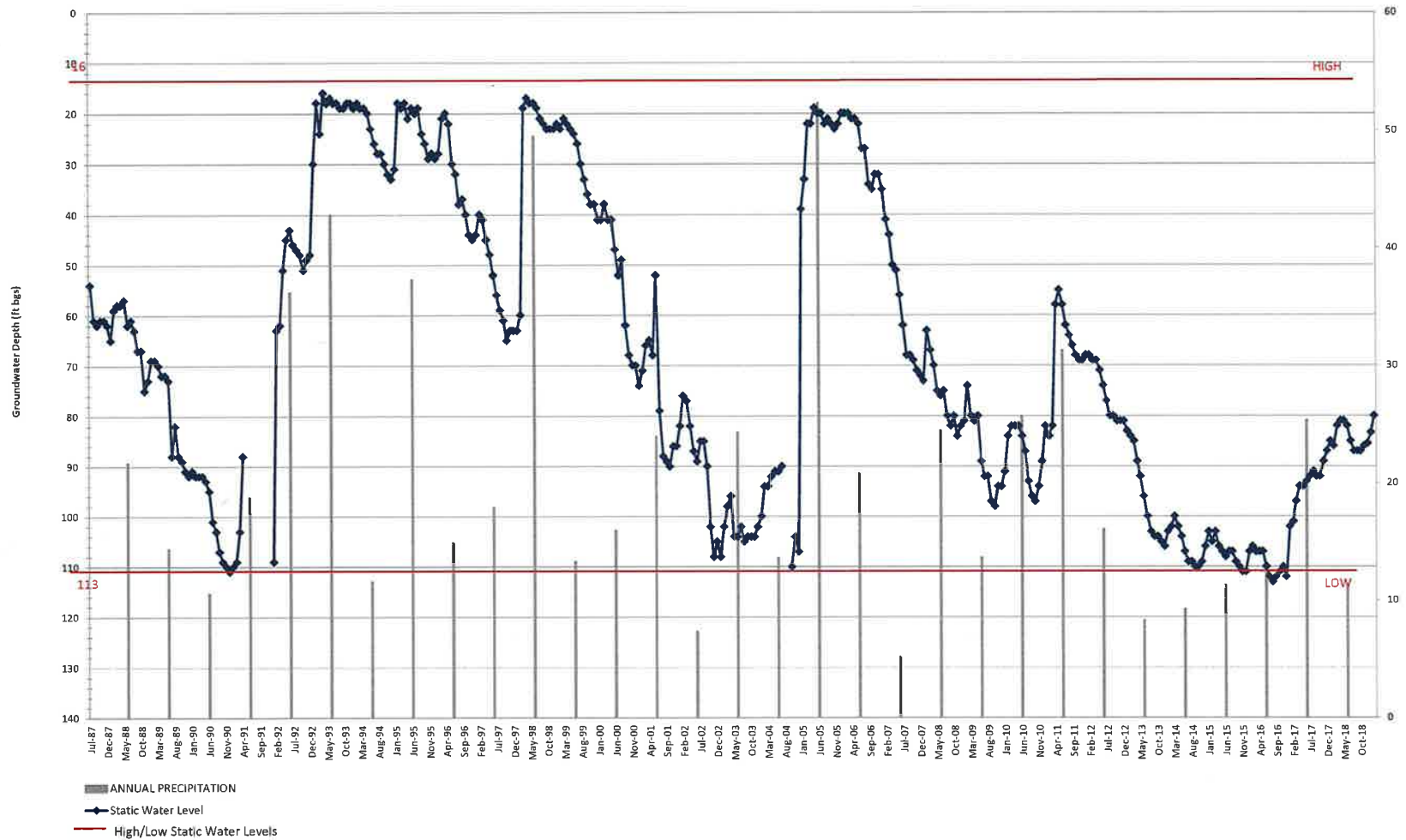
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL VS PRECIPITATION



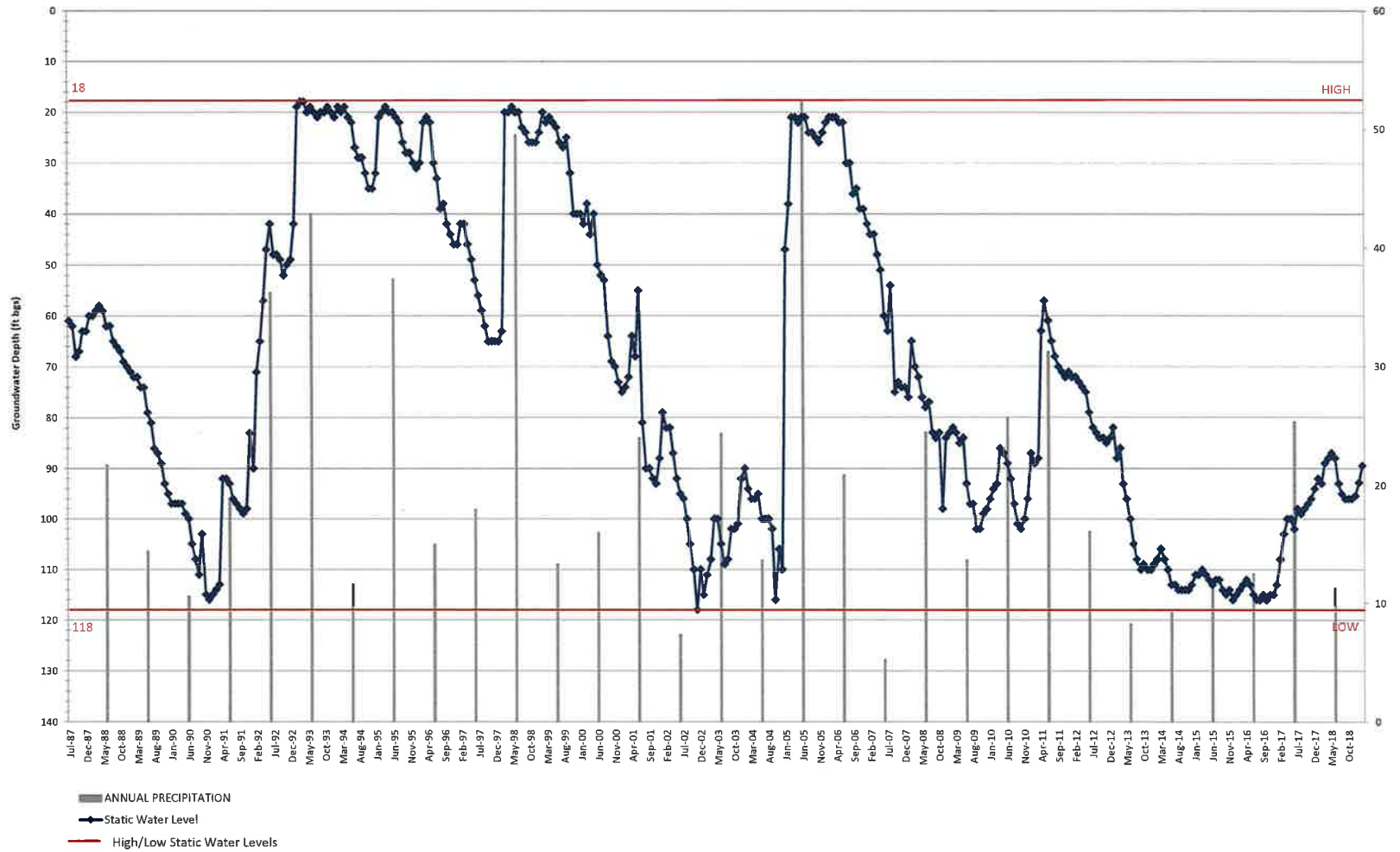
**SCV WATER WELL LOST CANYON #2
STATIC WATER LEVEL VS PRECIPITATION**



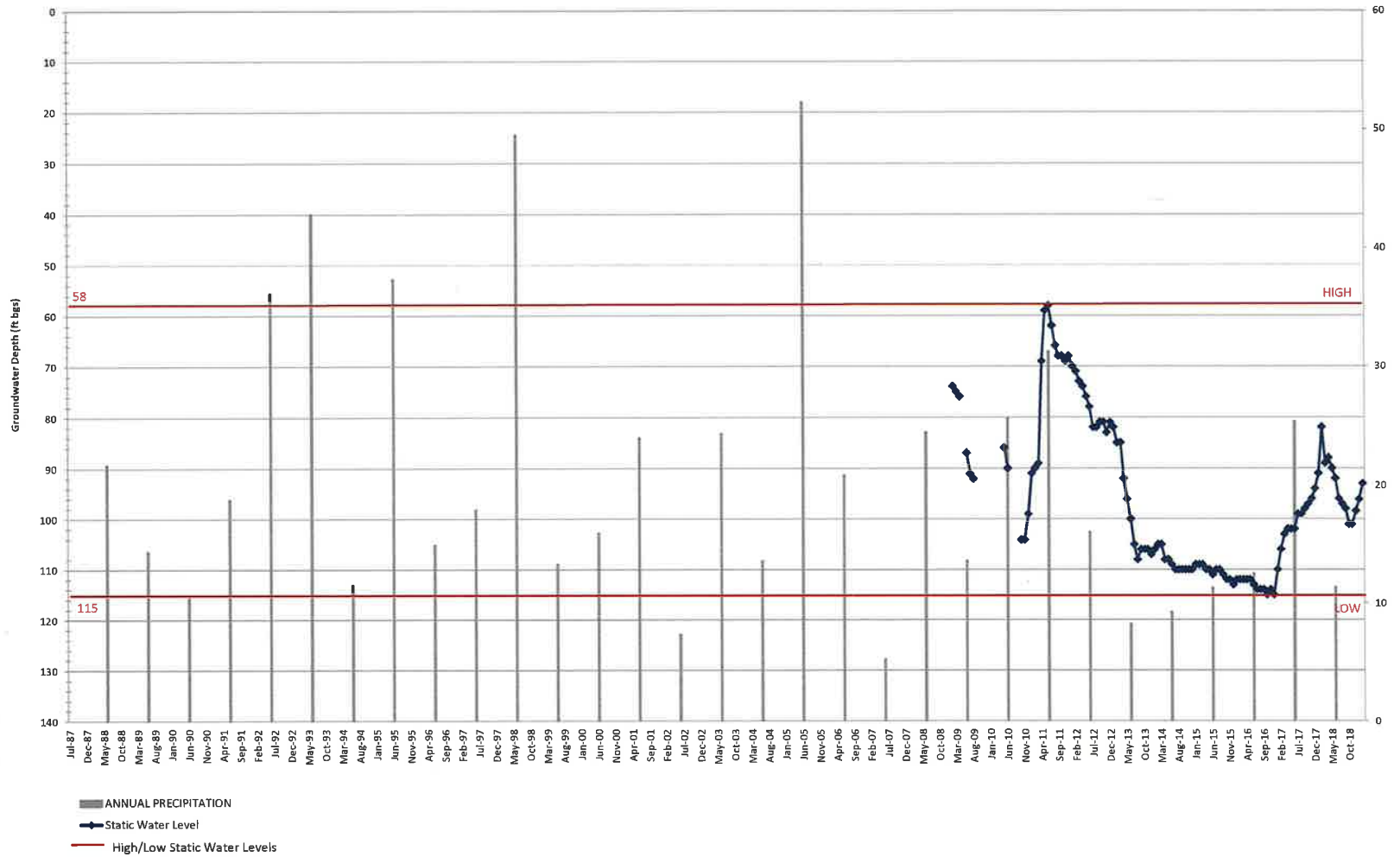
SCV WATER WELL P4
 STATIC WATER LEVEL VS PRECIPITATION



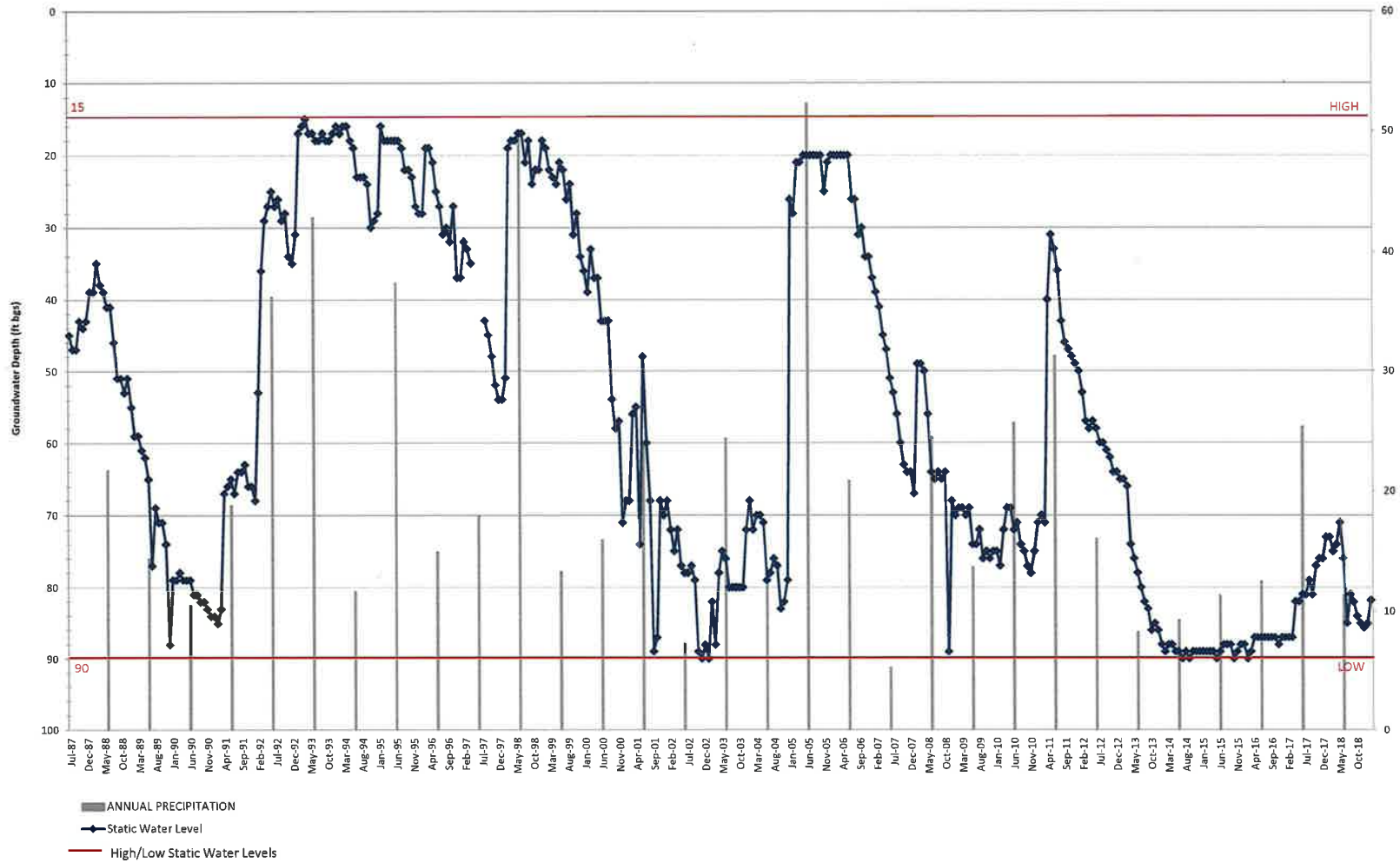
SCV WATER WELL P3
 STATIC WATER LEVEL VS PRECIPITATION



SCV WATER WELL P5
STATIC WATER LEVEL VS PRECIPITATION



SCV WATER WELL P1
 STATIC WATER LEVEL VS PRECIPITATION



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Santa Clarita Valley Water Agency
Capital Improvement Projects (CIP) Construction Status Report
As of March 15, 2019

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Foothill Feeder Turnout	GSE Construction	\$2,691,300	\$260,459	9.7%	\$2,951,759	March 31, 2019	96%	Connections to MWD and SCVWA lines are scheduled for February 2019.
Well E-17 and Water Improvements	Staats Construction, Padilla Electric, and General Pump	\$571,734	\$0	0%	\$571,734	June 30, 2019	15%	Contractor is acquiring materials.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$0	0%	\$3,084,725	July 22, 2019	5%	Construction submittals and pipe fabrication are in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	TBD	1%	Execution of construction contract documents is in progress.

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**Engineering and Operations Committee
Planning Calendar
FY 2018/19**

Item	PowerPoint Presentation (Y/N/Length)	July 3 Board	July 5 Comm	Aug 2 Comm	Aug 7 Board	Sept 4 Board	Sept 6 Comm	Sept 18 Board	Oct 2 Board	Oct 3 Comm	Nov 1 Comm	Nov 6 Board	Dec 4 Board	Dec 10 Comm	Dec 18 Board	Jan 2 Board	Jan 3 Comm	Feb 5 Board	Feb 7 Comm	March 5 Board	March 7 Comm	April 2 Board	April 4 Comm	April 30 Board	May 2 Comm	June 4 Board	June 6 Comm	July 2 Board
		CANCELLED	CANCELLED									CANCELLED						CANCELLED										
1	Monthly Committee Planning Calendar	None			C			C			C								C		C		P			P		
2	CIP Construction Status Report	None			C			C			C								C		C		P			P		
3	Monthly Operations and Production Report	None			C			C			C								C		C		P			P		
4	Third Party Funded Agreements Quarterly Report	None			C									C					C						P		P	
5	Quarterly Safety Program Presentation	Yes 15 min			C		C							C					C						P			
6	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 4	Yes 10 min			C		C																					
7	Approve Community Workforce Agreement	None		C				C	C																			
8	Recommend Approval of a Change Order to Contract with GSE Construction to Increase Budget for Foothill Feeder Connection Construction	Yes 10 min		C				C	C																			
9	Recommend Approval of a Work Authorization for TBD for final design of the Magic Mountain Pipeline No. 6	Yes 10 min		C						C				C														
10	Recommend Approval of a Change Order with GSE Construction, Increase Valli Cooper's budget for Construction Management Services and increase MWDSC's Work Authorization for the Foothill Feeder Connection Project	Yes 10 min		C										C	C													
11	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 5	Yes 10 min		C										C	C													
12	Update on Recycled Water Program	Yes 10 min		C																C	C							
13	Update on Perchlorate Related Activities - V201, V205, Replacement Wells, etc.	Yes 10 min		C															C									
14	Quarterly Update on VOC Litigation Status - Closed Session	None		C																C						P		
15	Foothill Feeder Connection Construction Update	Yes 5 min		C																C								
16	Recommend Approval of Resolution Awarding Construction Contract to TBD to Recoat Roof Interior of Honby Tank #1	Yes 10 min		C																	C	P						
17	Review Proposed FY 2019/20 and FY 2020/21 Major Capital Projects (FY 2019/20 and FY 2020/21 Budget Preparation)	TBD		C																			P					
18	Recommend the purchase of a replacement dump truck	TBD		C																			P	P				
19	Follow Up Review Proposed FY 2019/20 and FY 2020/21 Major Capital Projects, if needed (FY 2019/20 and FY 2020/21 Budget Preparation)	TBD		C																					P			
20	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Construction	TBD		C																					P	P		
21	Recommend Approval of Resolution Authorizing SCVWA to Execute Consolidation and Water Service Agreement, and Financing Agreement for Construction of Pipeline to the Los Angeles Residential Community	TBD		C																							P	P

C = Completed Item
P = Planned Item

**Engineering and Operations Committee
Planning Calendar
FY 2018/19**

	Item	PowerPoint Presentation (Y/N/Length)	July 3 Board CANCELLED	July 5 Comm CANCELLED	Aug 2 Comm	Aug 7 Board	Sept 4 Board	Sept 6 Comm	Sept 18 Board	Oct 2 Board	Oct 3 Comm	Nov 1 Comm CANCELLED	Nov 6 Board	Dec 4 Board	Dec 10 Comm	Dec 18 Board	Jan 2 Board	Jan 3 Comm CANCELLED	Feb 5 Board	Feb 7 Comm	March 5 Board	March 7 Comm	April 2 Board	April 4 Comm	April 30 Board	May 2 Comm	June 4 Board	June 6 Comm	July 2 Board
22	Recommend Approval of Resolution Awarding Construction Contract to TBD for Pipeline to the Los Angeles Residential Community	TBD																									Moved to FY 2019/20		Moved to FY 2019/20
23	Recommend Approval of Resolution Awarding Construction Contract to TBD for West Ranch Recycled Water Main Extension (Phase 2D) Project	TBD																						Moved to FY 2019/20	Moved to FY 2019/20				
24	Recommend Approval of Resolution Awarding Construction Contract to TBD for Washwater Return and Sludge Systems Project	TBD		CANCELLED								CANCELLED														Moved to FY 2019/20	Moved to FY 2019/20		
25	Recommend Approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Tank	TBD		CANCELLED								CANCELLED														Moved to FY 2019/20	Moved to FY 2019/20		
26	Recommend Approval of a Work Authorization for TBD for final design of the Groundwater Treatment Improvements (VOC Treatment)	TBD		CANCELLED								CANCELLED														Moved to FY 2019/20	Moved to FY 2019/20		
27	Recommend Approval of a Work Authorization for TBD for final design of the Magic Mountain Reservoir	TBD																										P	P
28	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 6	TBD		CANCELLED								CANCELLED																P	P
29	Recommend Approval of a Work Authorization for TBD for final design of the Replacement Wells On-Site Pipeline/Infrastructure	TBD		CANCELLED								CANCELLED																P	P
30	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Commerce Center Drive Pipeline	TBD		CANCELLED								CANCELLED																P	P
31	Recommend approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Pipelines	TBD																										P	P
32	Recommend Approval of Construction of a New 2.5 MG Deane Tank and Cost Sharing Agreement with Developer	TBD		CANCELLED								CANCELLED															Moved to FY 2019/20	Moved to FY 2019/20	Moved to FY 2019/20
33	Recommend Approval of Resolution Awarding Construction Contract to TBD for New Intertie and Pressure Regulating Station with Newhall County Water District at Gary Street	TBD		CANCELLED								CANCELLED															Moved to FY 2019/20	Moved to FY 2019/20	Moved to FY 2019/20
34	Recommend Approval of Resolution Awarding Construction Contract to TBD for Pipeline in Rainbow Glen Drive	TBD		CANCELLED								CANCELLED															Moved to FY 2019/20	Moved to FY 2019/20	Moved to FY 2019/20
35	Recommend Approval of Construction of a New Deane Zone Pump Station and Cost Sharing Agreement with Developer	TBD																									Moved to FY 2019/20	Moved to FY 2019/20	Moved to FY 2019/20