



Date: July 18, 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, August 1, 2019 at 5:30 PM at Summit Circle** located at 26521 Summit Circle, Santa Clarita, CA 91350 in the Training Room.

MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	Public Comments	
2.	Quarterly Safety Presentation	
3. *	Operations and Production Report	3
4. *	Capital Improvement Projects Construction Status Report	61
5. *	Third Party Funded Agreements Quarterly Report	63
6. *	Committee Planning Calendar	67
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 July 24, 2019.



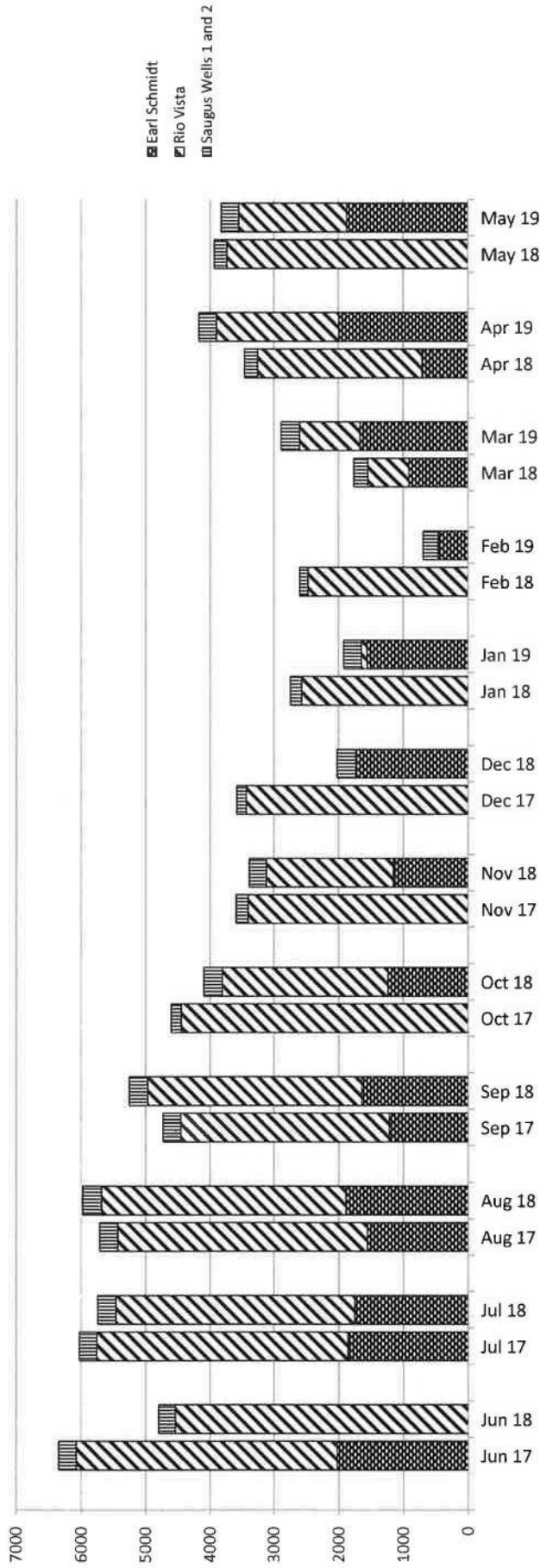
Monthly Operations & Production Report

May 2019

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SANTA CLARITA VALLEY WATER AGENCY
 May 2019 Regional Operations Report

Water Supply (acre-feet)



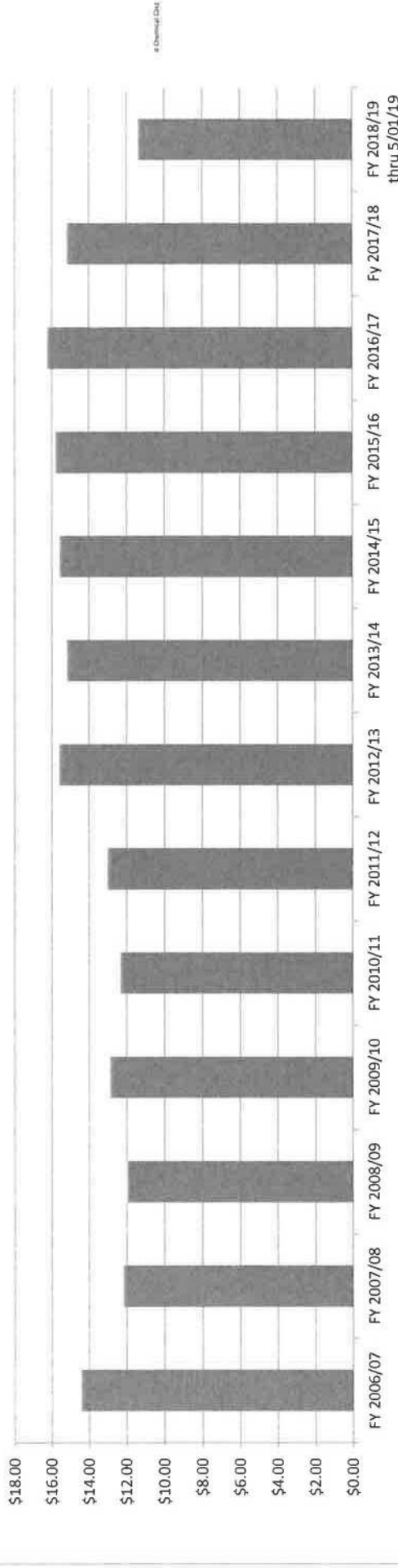
Source	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Total
Earl Schmidt	0	3705	1886	1645	1236.7	1154	1736	1560	458	1665	1992	1869	18906.7
Rio Vista	4539	1755	3793	3321	2570	1961	0	85	0	933	1910	1683	22550
Saugus 1 and 2	260	283	300	289	292	272	286	275	230	288	276	277	3328
Total	4799	5743	5979	5255	4098.7	3387	2022	1920	688	2886	4178	3829	44784.7
Total Sold	4695	5639	5855	5160	4011	3349	1947	1805	802	2735	4016	3754	43768
RVWTP Use/Storage	10	22.7	44.11	17.82	60	72	9	80	-78	52.55	66.96	17.54	374.68
Total Use	4705	5661.7	5899.11	5177.82	4071	3421	1956	1885	724	2787.55	4082.96	3771.54	44142.68
Water Loss	-1.96%	-1.42%	-1.34%	-1.47%	-0.68%	1.00%	-3.26%	-1.82%	5.23%	-3.41%	-2.27%	-1.50%	-1.43%
Recycled Water	64	79	75	17	0	0	0	2	0	10	50	36	333
Valencia													

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

**Treatment Process
May 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			3.02	0.05	98.34%	7.35	8.13	1.01	1.01	4.35	0.91	0.8
Earl Schmidt			3.51	0.05	98.58%	7.69	8.01	1.25	1.34	5.92	0.75	1.0
Saugus 1 and 2	16	<1				7.56	7.65			3.3	0.66	

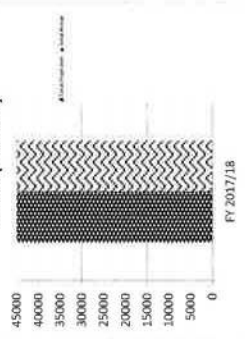
Chemical Treatment Cost



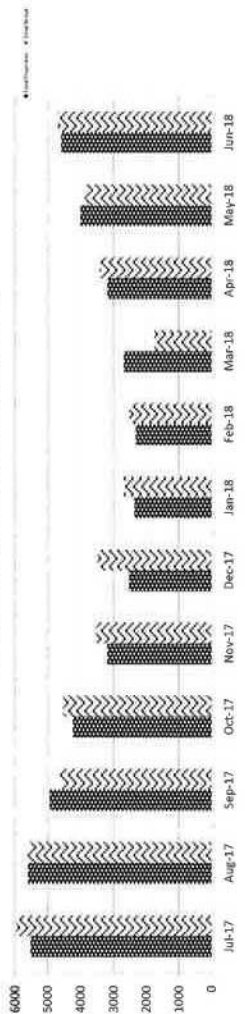
	FY 2006/07	FY 2007/08	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19
Acre Feet Treated	44,493	44,732	38,275	34,610	33,441	35,653	41,504	44,909	30,571	27,456	43,670	46,672	46,672
Imported Water													
Chemical Cost Per Acre 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	\$15.20

* The cost per acre foot includes all chemicals used in 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.

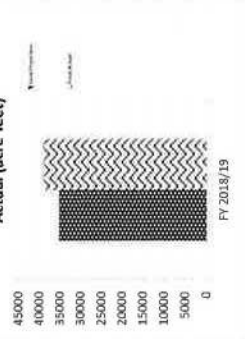
FY 2017/18 Purveyor Projections vs. Actual (acre-feet)



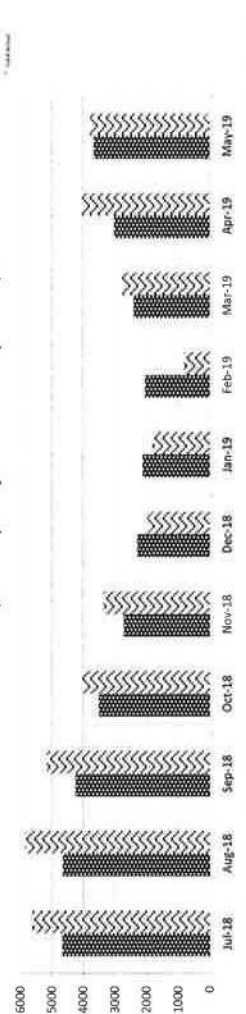
FY 2017/18 Purveyor Projections vs. Actual (acre-feet)



FY 2018/19 Purveyor Projections vs. Actual (acre-feet)



FYTD 2018/19 Purveyor Projections vs. Actual (acre-feet)



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	3576	110%
Dec-17	1265	1955	155%	970	969	100%	290	556	192%	0	0	0	2525	3480	138%
Jan-18	1145	1578	138%	853	863	101%	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	2076	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	181	78%	0	0	0	2102	1805	86%
Feb-19	1200	493	41%	613	232	38%	213	76	36%	0	0.54	0	2026	802	40%
Mar-19	1342	1177	88%	785	1205	154%	264	352	133%	0	0.57	0	2391	2735	114%
Apr-19	1689	1770	105%	986	1819	184%	315	428	136%	0	0.05	0	2990	4017	134%
May-19	2001	1632	82%	1309	1701	130%	335	422	126%	0	0	0	3645	3755	103%
FY 2018/19	19242	19557	102%	11877	14003	118%	4062	5508	136%	0	3.55	0	35181	39072	111%

SANTA CLARITA VALLEY WATER AGENCY

Record of Weather Observations

May 2019

DATE	High Temperature	Low Temperature	Precipitation 2019	Precipitation 2018
1-May	72	42	0.00	0.00
2-May	74	42	0.00	0.00
3-May	78	44	0.00	0.00
4-May	76	47	0.00	0.00
5-May	70	54	0.00	0.00
6-May	66	52	0.01	0.00
7-May	62	50	0.00	0.00
8-May	64	55	0.00	0.00
9-May	60	54	0.00	0.00
10-May	64	53	0.09	0.00
11-May	78	52	0.11	0.00
12-May	78	49	0.00	0.01
13-May	75	57	0.00	0.00
14-May	77	58	0.00	0.00
15-May	67	55	0.00	0.00
16-May	66	48	0.99	0.00
17-May	69	43	0.01	0.00
18-May	70	41	0.00	0.00
19-May	61	47	0.27	0.00
20-May	69	42	0.01	0.00
21-May	66	52	0.00	0.00
22-May	66	45	0.00	0.00
23-May	60	47	0.00	0.00
24-May	74	41	0.00	0.00
25-May	71	48	0.00	0.00
26-May	57	47	0.11	0.00
27-May	67	39	0.00	0.00
28-May	73	41	0.00	0.00
29-May	79	46	0.00	0.00
30-May	81	48	0.00	0.00
31-May	76	49	0.00	0.00

TOTAL

1.60

0.01

2018-2019

2017-2018

Total Precipitation of Current Month

1.60

0.01

Total Precipitation End of Previous Month

26.04

11.12

Total Precipitation Since October 1st

27.64

11.13

Temperature Averages for Current Month

HIGH

69.9

73.8

LOW

48.0

49.4

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

	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
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

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
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	4.15
Apr	0.07	2.40	0.12	4.02	0.00	0.31	0.16	0.37	0.09	0.02	0.09
May	0.01	0.07	0.74	0.01	0.74	0.00	0.66	0.09	0.26	0.01	1.60
Jun	0.03	0.00	0.04	0.00	0.00	0.00	0.01	0.01	0.00	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	0.00
Aug	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.02	0.07	0.00	0.00
Sep	0.00	0.00	0.00	0.02	0.00	0.00	0.78	0.00	0.13	0.02	0.00
TOTAL	13.64	25.65	31.27	16.07	8.28	9.23	12.87	10.87	25.53	11.15	27.64

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	17	60	41	0	0	0	0	0	0	0	276
N13	95	79	21	139	108	0	0	0	0	0	0	0	442
C1	21	13	3	23	31	0	0	0	0	0	0	0	91
C2	6	5	0	13	18	0	0	0	0	0	0	0	43
C7	22	18	4	29	40	0	0	0	0	0	0	0	113
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	45	265	238	0	0	0	0	0	0	0	964

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	1	30	59	0	0	0	0	0	0	0	114
SAND CANYON	3	29	1	38	69	0	0	0	0	0	0	0	140
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	1	1	6	0	0	0	0	0	0	0	77
NORTH OAKS EAST	2	35	1	2	1	0	0	0	0	0	0	0	41
NORTH OAKS CENTRAL	2	47	2	2	1	0	0	0	0	0	0	0	54
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	41	34	0	0	0	0	0	0	0	131
CLARK	19	32	0	29	25	0	0	0	0	0	0	0	105
SANTA CLARA	1	37	1	1	1	0	0	0	0	0	0	0	41
VALLEY CENTER	54	55	1	72	75	0	0	0	0	0	0	0	257
TOTAL SCWD	122	354	8	216	271	0	0	0	0	0	0	0	971

VALENCIA WATER DIVISION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
D	34	28	8	5	5	0	0	0	0	0	0	0	79
E15	35	21	1	6	9	0	0	0	0	0	0	0	73
N	20	36	5	25	30	0	0	0	0	0	0	0	116
N7	91	23	8	23	40	0	0	0	0	0	0	0	186
N8	39	16	2	33	27	0	0	0	0	0	0	0	117
Q2	64	52	4	20	18	0	0	0	0	0	0	0	157
T7	8	4	2	4	6	0	0	0	0	0	0	0	23
U6	2	3	2	5	6	0	0	0	0	0	0	0	18
U4	3	2	1	3	3	0	0	0	0	0	0	0	11
S6	64	74	13	33	50	0	0	0	0	0	0	0	234
S7	24	24	8	5	13	0	0	0	0	0	0	0	75
S8	9	30	4	9	9	0	0	0	0	0	0	0	62
W11	24	30	2	56	49	0	0	0	0	0	0	0	160
W9	22	9	5	39	36	0	0	0	0	0	0	0	111
W10	87	61	8	36	52	0	0	0	0	0	0	0	244
159 (GOLF COURSE IRRIGATION)	0	0	0	0	0	0	0	0	0	0	0	0	0
160 (SYSTEM)	2	2	1	1	2	0	0	0	0	0	0	0	8
160 (GOLF COURSE IRRIGATION)	10	4	19	56	45	0	0	0	0	0	0	0	135
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	7	42	37	0	0	0	0	0	0	0	264
207	120	66	6	57	54	0	0	0	0	0	0	0	303
TOTAL VWD	752	569	106	457	491	0	0	0	0	0	0	0	2375

S1	143	116	149	146	149	0	0	0	0	0	0	0	702
S2	132	114	139	130	128	0	0	0	0	0	0	0	643
TOTAL S1 & S2	275	230	288	276	277	0	0	0	0	0	0	0	1345

TOTAL WELL PRODUCTION	1378	1340	447	1214	1276	0	0	0	0	0	0	0	5655
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WELL 201 (NON-SYSTEM)	106	31	106	99	108	0	0	0	0	0	0	0	449
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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	17	60	41								276
N13	95	79	21	139	108								442
CASTAIC SYSTEM													
C1	21	13	3	23	31								91
C2	6	5	0	13	18								43
C7	22	18	4	29	40								113
PINETREE SYSTEM													
P1	0	0	0	0	0								0
P3	0	0	0	0	0								0
P4	0	0	0	0	0								0
P5	0	0	0	0	0								0
S1 & S2	74	62	77	74	74								361
TOTAL GROUNDWATER	303	249	122	338	312	0	0	0	0	0	0	0	1324
IMPORT + S1 & S2													
NEWHALL SYSTEM													
N-3	13	1	156	109	162								442
CASTAIC SYSTEM													
N-1	39	18	69	76	46								247
PINETREE SYSTEM													
N-2	87	48	88	156	139								518
TESORO SYSTEM													
N-4	41	10	40	86	75								251
TOTAL IMPORT + S1 & S2	181	76	352	428	422	0	0	0	0	0	0	0	1458
TOTAL GROUNDWATER (INCLUDES S1 & S2)	303	249	122	338	312	0	0	0	0	0	0	0	1324
TOTAL IMPORT (NO S1 & S2)	107	15	275	354	348	0	0	0	0	0	0	0	1098
TOTAL GROSS PRODUCTION (GW + IMPORT)	410	263	397	692	660	0	0	0	0	0	0	0	2422
TOTAL INTERTIE TRANSFERS	0	50	0	0	0	0	0	0	0	0	0	0	50
TOTAL NET PRODUCTION	410	314	397	692	660	0	0	0	0	0	0	0	2473
% BY SOURCE													
GROUNDWATER	74%	79%	31%	49%	47%								54%
IMPORT	26%	5%	69%	51%	53%								44%
INTERTIE	0%	16%	0%	0%	0%								2%

**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	0	0	0								8
LOST CANYON NO.2A	0	24	1	30	59								114
SAND CANYON	3	29	1	38	69								140
MITCHELL 5A	0	0	0	0	0								0
MITCHELL 5B	0	0	0	0	0								0
SIERRA	15	54	1	1	6								77
NORTH OAKS EAST	2	35	1	2	1								41
NORTH OAKS CENTRAL	2	47	2	2	1								54
NORTH OAKS WEST	0	0	0	0	0								0
HONBY	1	2	0	0	0								3
GUIDA	25	31	0	41	34								131
CLARK	19	32	0	29	25								105
SANTA CLARA	1	37	1	1	1								41
VALLEY CENTER	54	55	1	72	75								257
TOTAL ALLUVIUM	122	354	8	216	271	0	0	0	0	0	0	0	971
SAUGUS WELLS S1 & S2	201	168	211	202	203								985
TOTAL GROUNDWATER	323	522	219	418	474	0	0	0	0	0	0	0	1956
IMPORT + S1 & S2	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
SC-1 BOUQUET	191	83	175	136	143								728
SC-2 HONBY	179	2	126	166	171								644
SC-3 WILEY	50	52	52	93	79								326
SC-4 HONBY #2	200	119	284	320	354								1277
SC-5 RIO VISTA	0	0	38	194	204								437
SC-6 LOST CANYON	55	68	26	219	95								462
SC-7	26	12	50	52	52								192
SC-8	79	20	112	131	215								558
SC-9	40	50	70	85	46								291
SC-10	35	17	76	172	67								367
SC-11	38	2	17	0	6								63
SC-12	180	66	115	140	125								626
SC-13	37	1	37	62	73								210
TOTAL IMPORT + S1 & S2	1110	493	1,177	1,770	1,632	0	0	0	0	0	0	0	6,181
METERING ADJUSTMENT	-9	-5	0	0									-14
NET IMPORT + S1 & S2	1,100	488	1,177	1,770	1,632	0	0	0	0	0	0	0	6,167
TOTAL GROUNDWATER (INCLUDES S1 & S2)	323	522	219	418	474	0	0	0	0	0	0	0	1956
TOTAL IMPORT (NO S1 & S2)	908	324	967	1,568	1,429	0	0	0	0	0	0	0	5,196
TOTAL GROSS PRODUCTION (GW + IMPORT)	1,232	847	1,185	1,986	1,903	0	0	0	0	0	0	0	7,152
TOTAL INTERTIE TRANSFERS	0	0	0	0	0								0
TOTAL NET PRODUCTION	1,232	847	1,185	1,986	1,903	0	0	0	0	0	0	0	7,152
% BY SOURCE													
GROUNDWATER	26%	62%	18%	21%	25%								27%
IMPORT	74%	38%	82%	79%	75%								73%
INTERTIE	0%	0%	0%	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	8	5	5								79
E15	35	21	1	6	9								73
N	20	36	5	25	30								116
N7	91	23	8	23	40								186
N8	39	16	2	33	27								117
Q2	64	52	4	20	18								157
T7	8	4	2	4	6								23
U6	2	3	2	5	6								18
U4	3	2	1	3	3								11
S6	64	74	13	33	50								234
S7	24	24	8	5	13								75
S8	9	30	4	9	9								62
W11	24	30	2	56	49								160
W9	22	9	5	39	36								111
W10	87	61	8	36	52								244
TOTAL ALLUVIUM	525	412	73	302	353	0	0	0	0	0	0	0	1666
SAUGUS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
159	0	0	0	0	0								0
160 - DOM	2	2	1	1	2								8
160 - VGC*	10	4	19	56	45								135
201	0	0	0	0	0								0
205	0	0	0	0	0								0
206	95	84	7	42	37								264
207	120	66	6	57	54								303
TOTAL SAUGUS	226	157	33	156	138	0	0	0	0	0	0	0	709
IMPORT WATER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
V-1	83	23	115	160	204								584
V-2	65	42	180	351	289								926
V-4	25	14	154	251	229								673
V-5	96	63	180	143	159								641
V-6	99	37	84	60	67								347
V-7	18	8	61	160	115								361
V-8	128	46	431	694	637								1936
TOTAL IMPORT	513	232	1205	1,819	1,701	0	0	0	0	0	0	0	5,469
TOTAL GROUNDWATER	752	569	106	457	491	0	0	0	0	0	0	0	2,375
TOTAL IMPORT	513	232	1,205	1,819	1,701	0	0	0	0	0	0	0	5,469
TOTAL GROSS PRODUCTION	1,265	801	1,311	2,276	2,192	0	0	0	0	0	0	0	7,844
TOTAL INTERTIE TRANSFERS	0	-50	0	0	0	0	0	0	0	0	0	0	-50
TOTAL NET PRODUCTION	1,265	751	1,311	2,276	2,192	0	0	0	0	0	0	0	7,794
% BY SOURCE													
GROUNDWATER	59%	71%	7%	18%	21%								29%
IMPORT WATER	41%	29%	93%	82%	79%								71%
RECYCLED WATER	2	0	10	50	36								98
Well 201 Discharge *	106	31	106	99	108								449

*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	0.0276	0.046	0								0.12
LA 2	1.0925	0.5371	0.5432	0	0								2.17
TOTAL	1.1416	0.5371	0.5708	0.046	0	0	0	0	0	0	0	0.00	2.30

RAW WATER

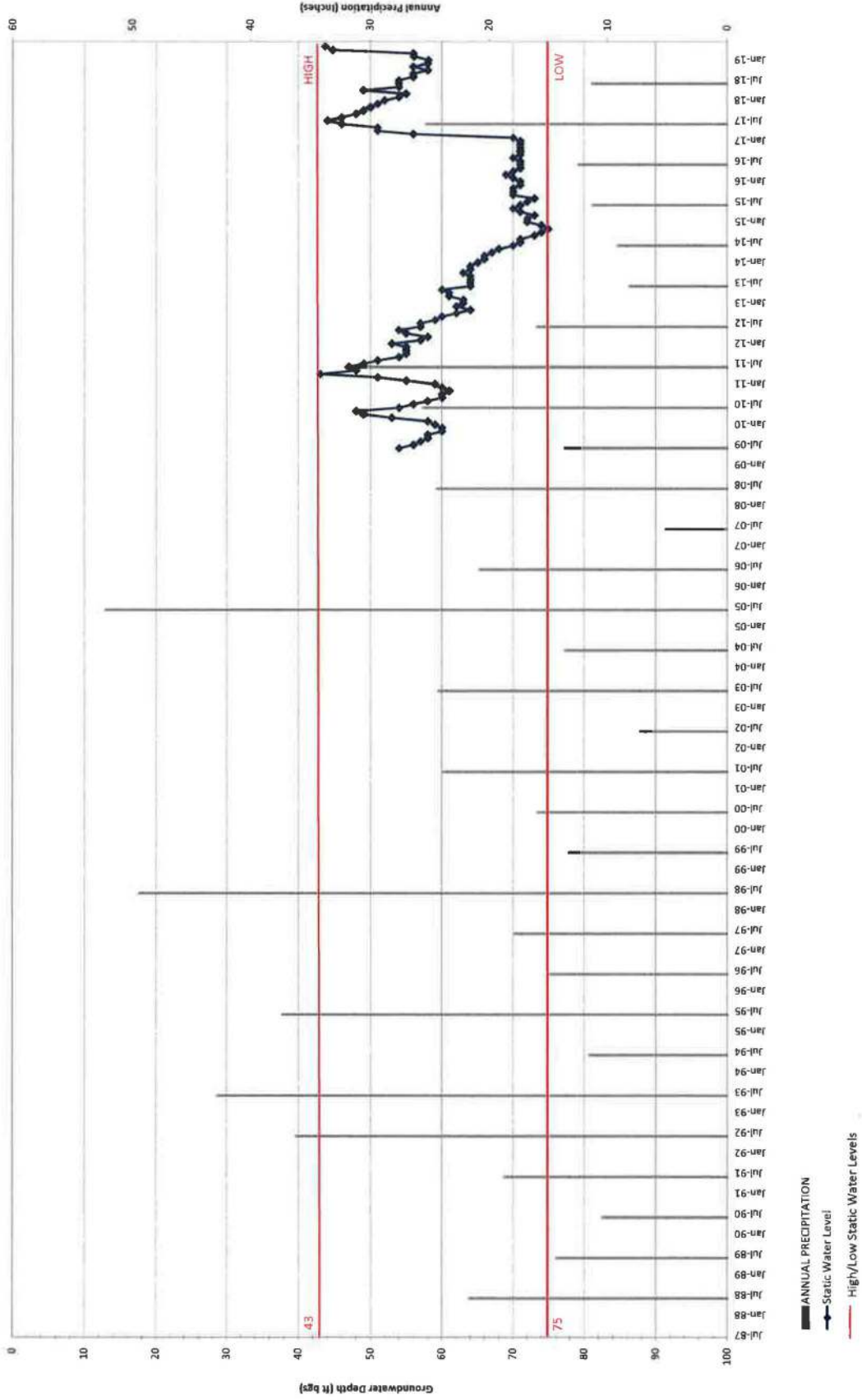
SOURCE	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
RVTP	85	0	933	1,910	1683								4,610.61
ESTP	1,560	458	1,665	1,992	1869								7,543.70
Wells	275	230	288	276	277								1,345.38
TOTAL	1,920	688	2,886	4,178	3,828	0	0	0	0	0	0	0	13,499.69

S1/S2 TREATMENT

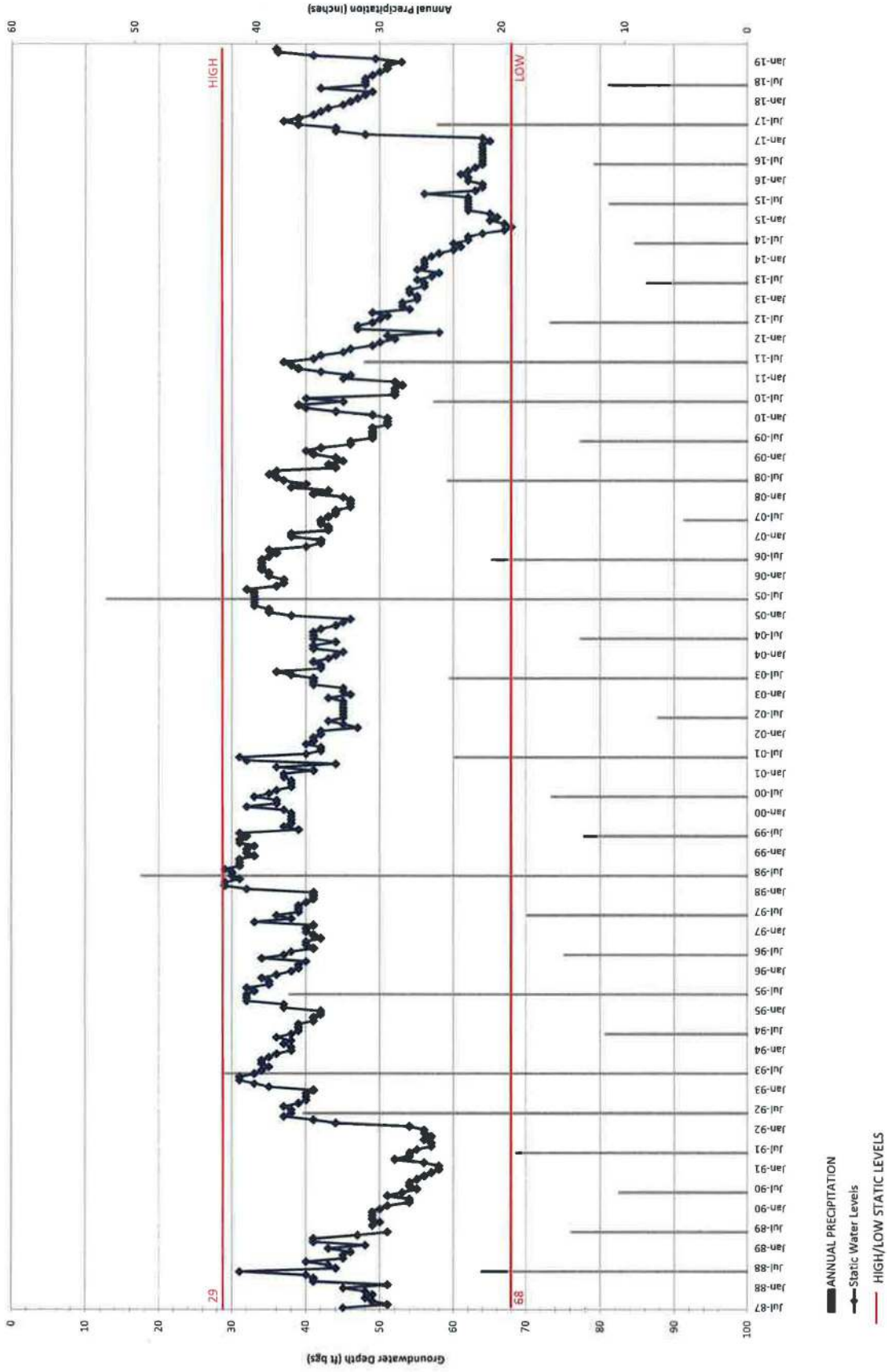
SOURCE	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
S1	143.2	115.9	148.82	145.9	148.67								702.48
S2	131.98	114.01	138.91	129.74	128.26								642.90
TOTAL	275.17	229.91	287.73	275.65	276.93	0	0	0	0	0	0	0	1345.38

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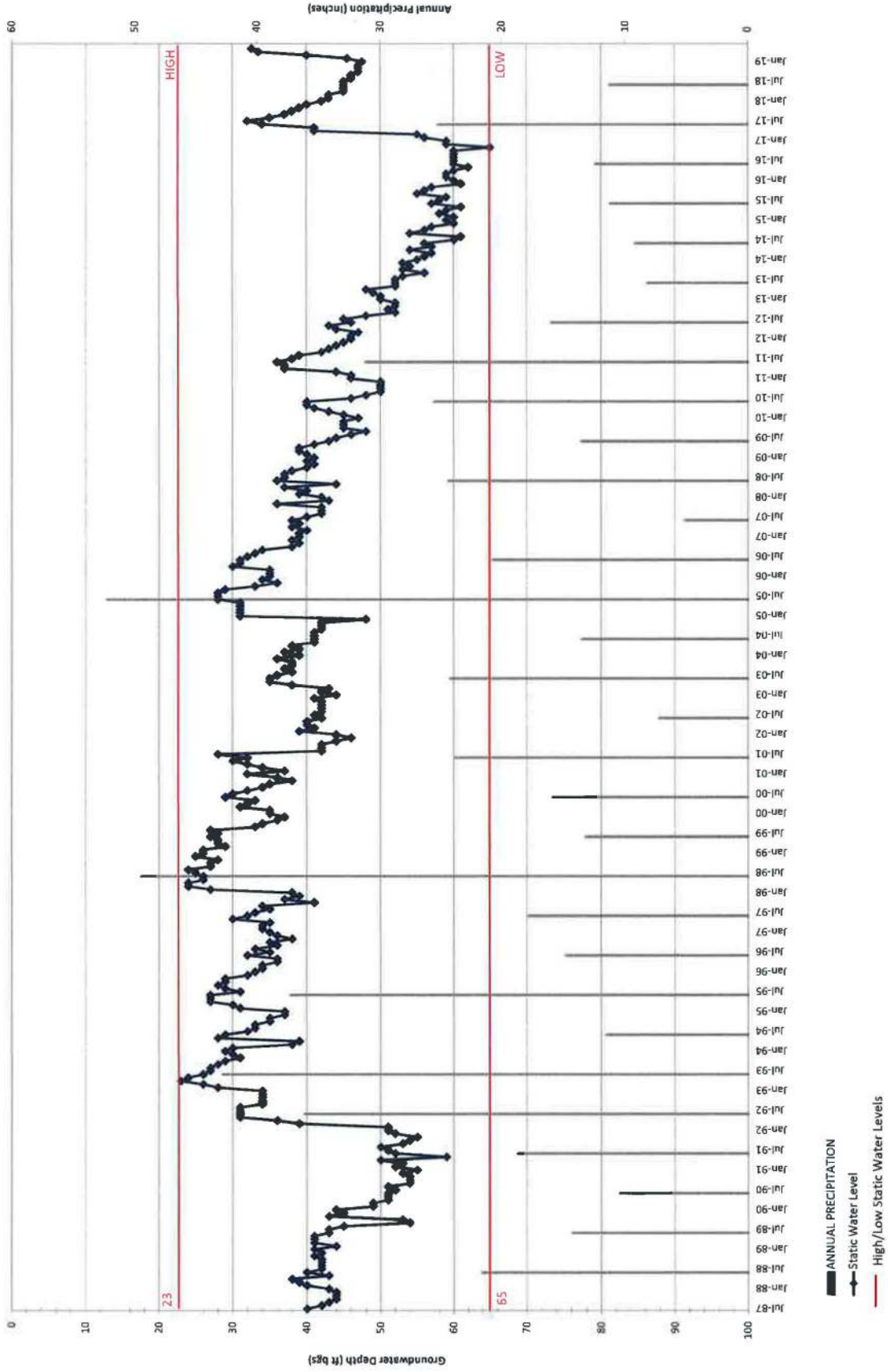
SCV WATER WELL C7
STATIC WATER LEVEL VS. PRECIPITATION



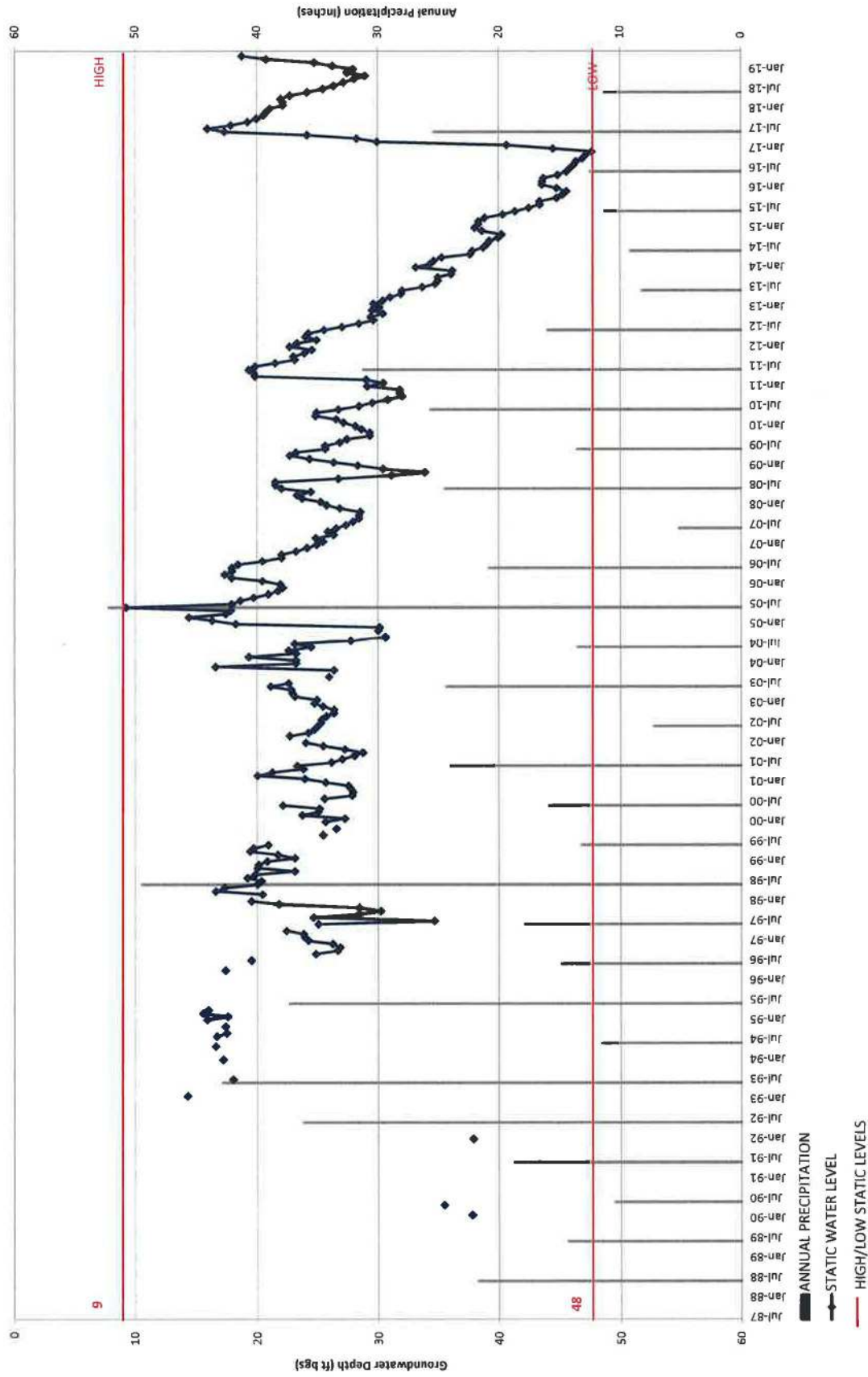
SCV WATER WELL C2
STATIC WATER LEVEL VS PRECIPITATION



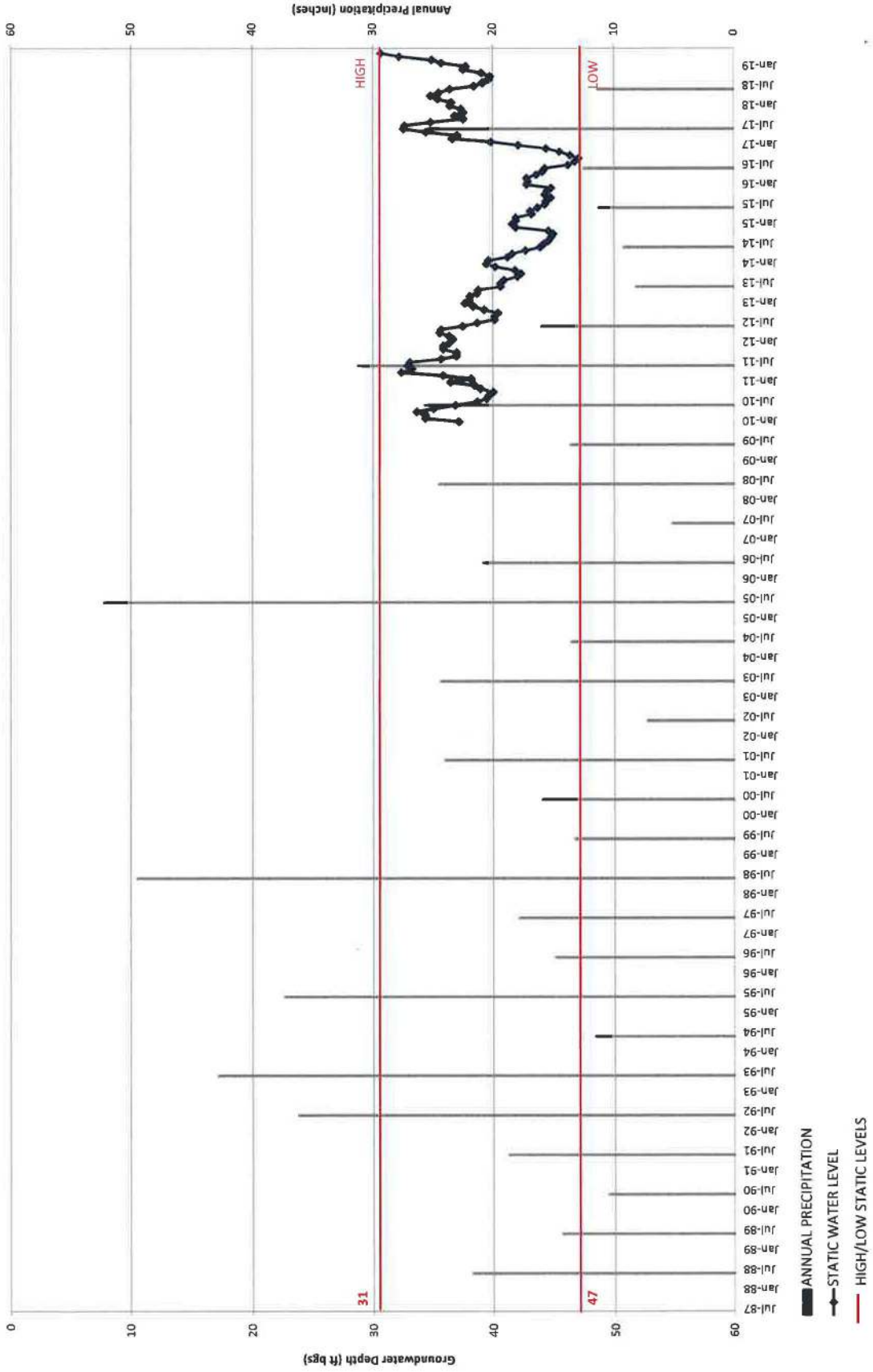
**SCV WATER WELL C1
STATIC WATER LEVEL VS PRECIPITATION**



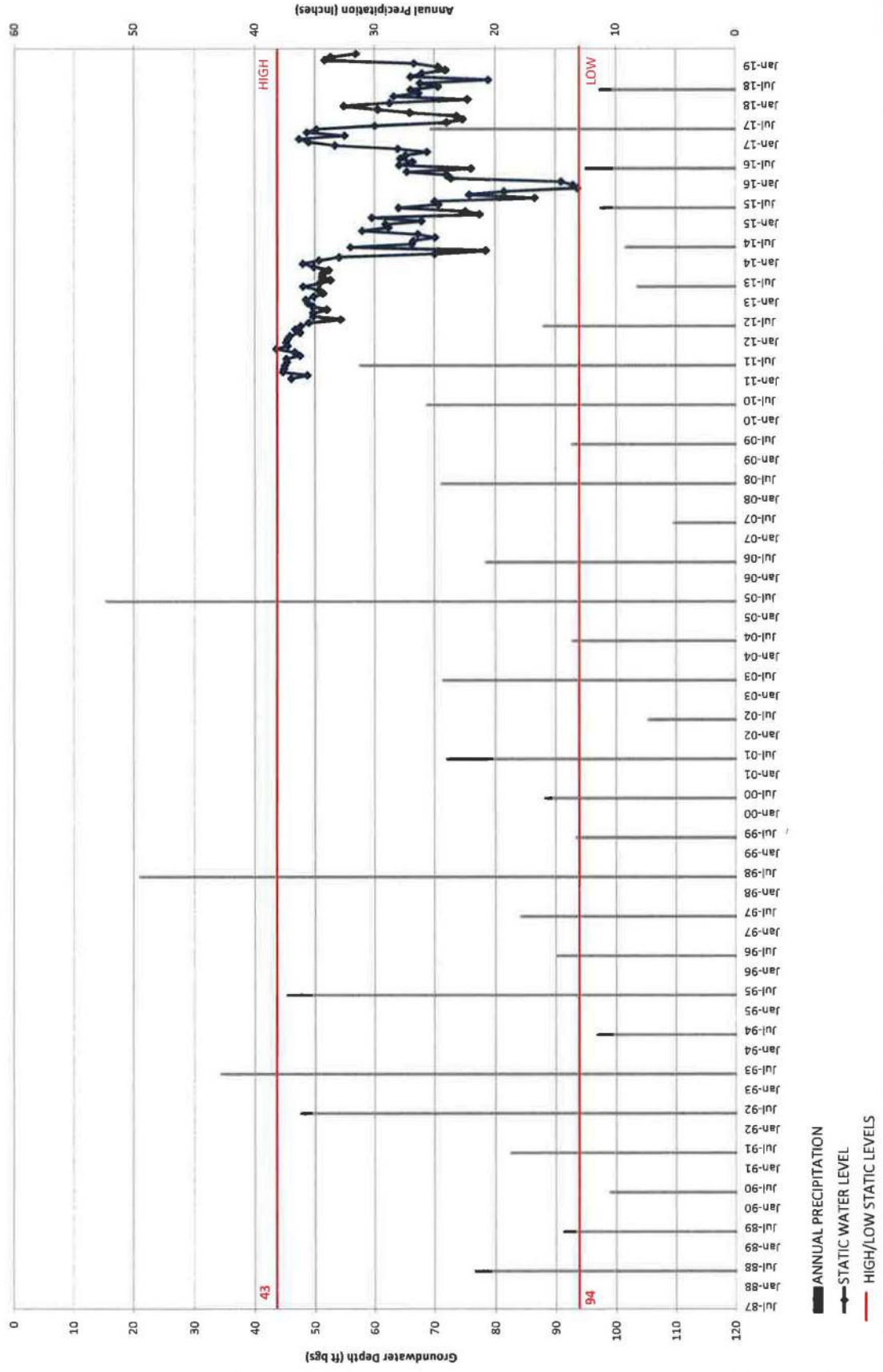
SCV WATER WELL D
STATIC WATER LEVEL VS PRECIPITATION



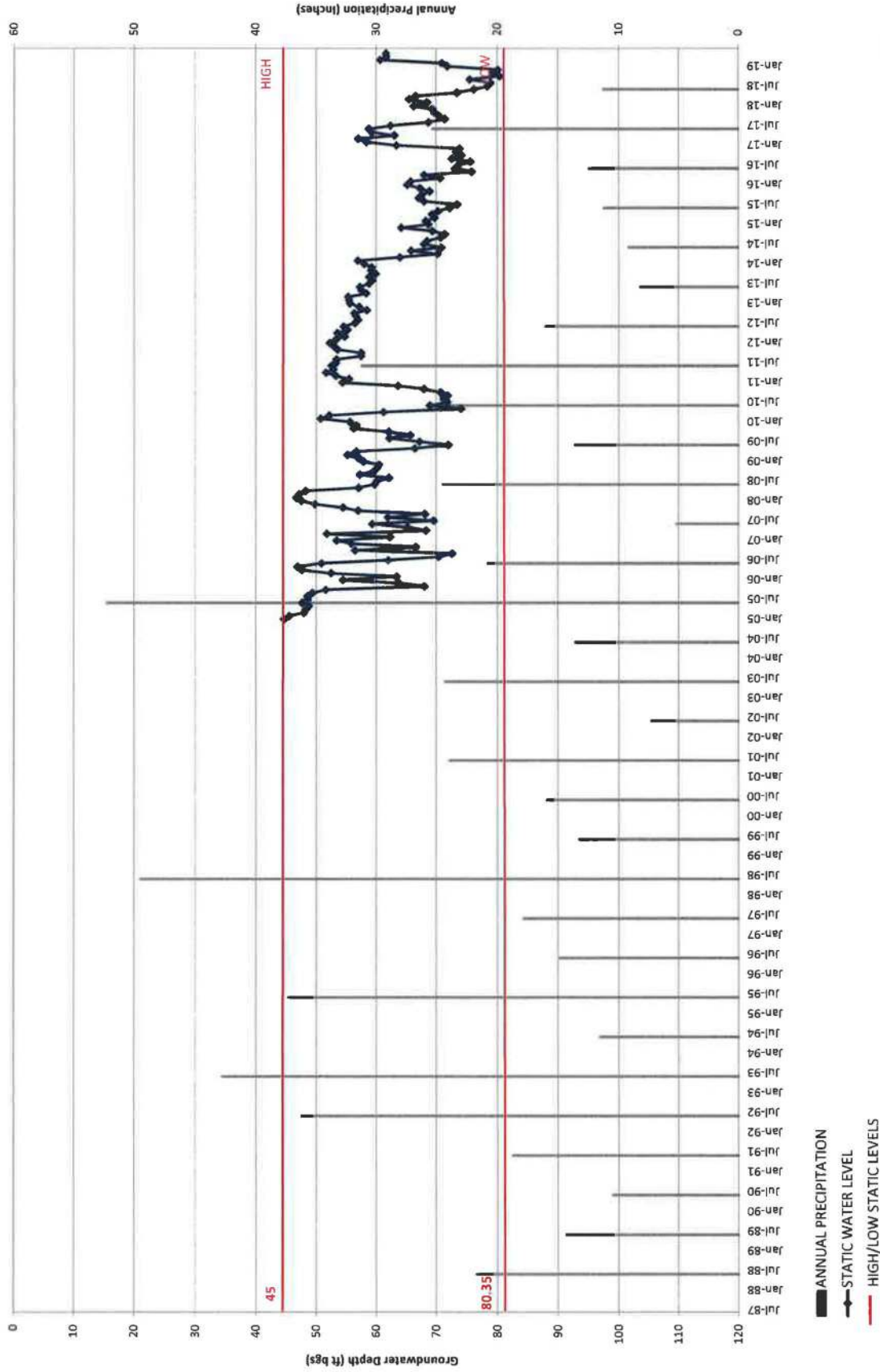
SCV WATER WELL E15
STATIC WATER LEVEL VS. PRECIPITATION



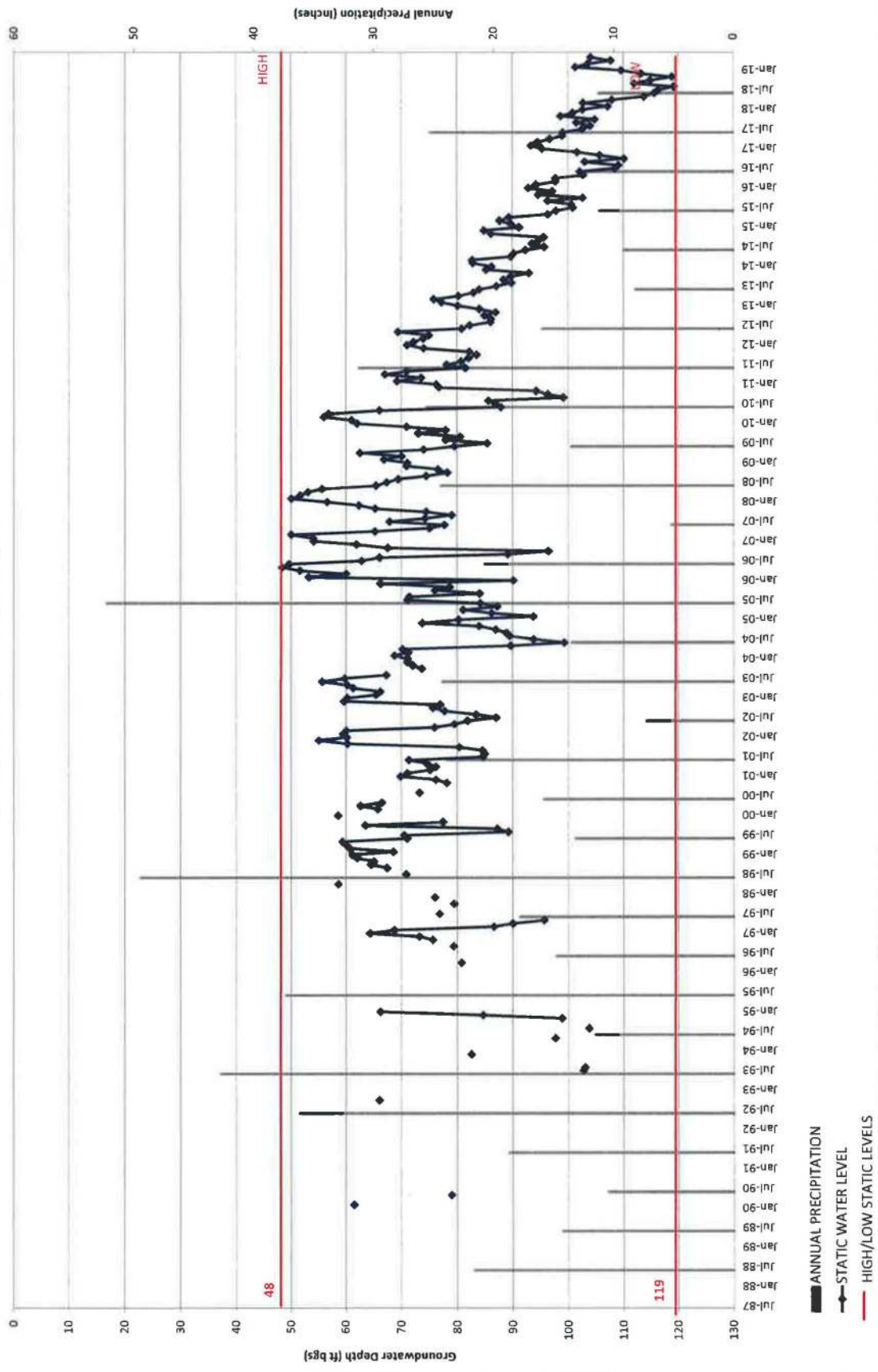
SCV WATER WELL 207
STATIC WATER LEVEL VS PRECIPITATION



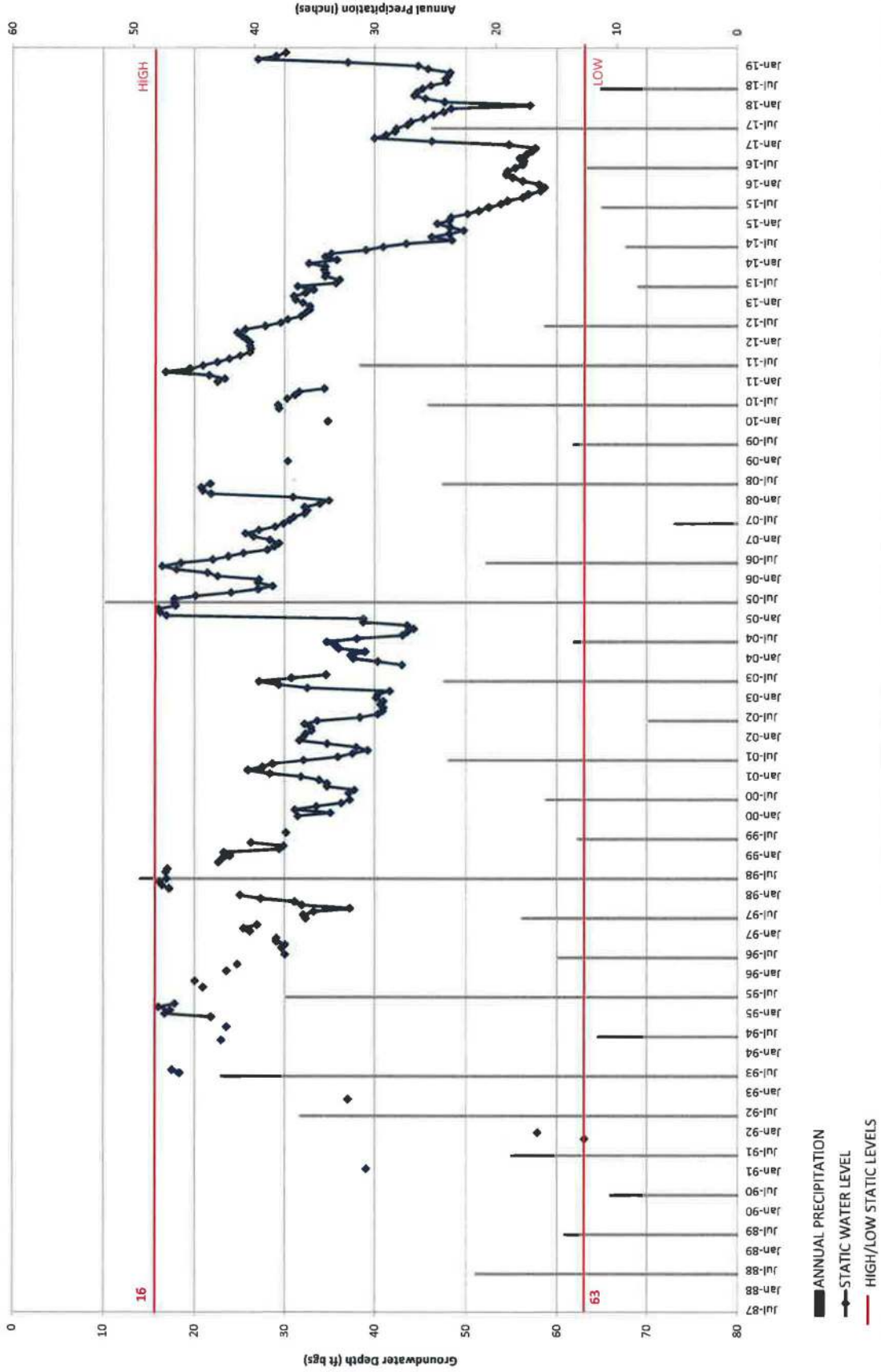
SCV WATER WELL 206
STATIC WATER LEVEL VS PRECIPITATION



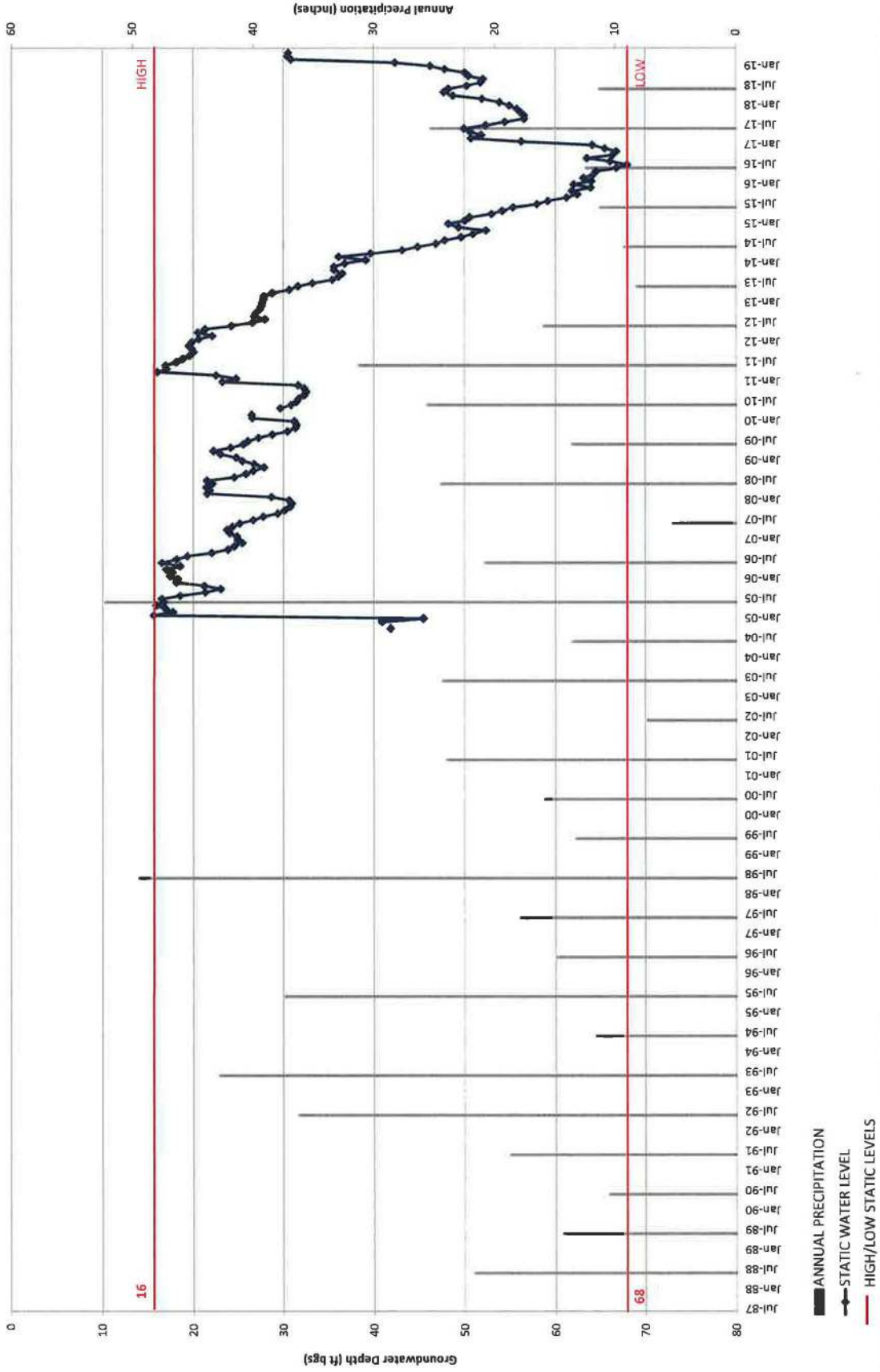
SCV WATER WELL 160
 STATIC WATER LEVEL VS PRECIPITATION



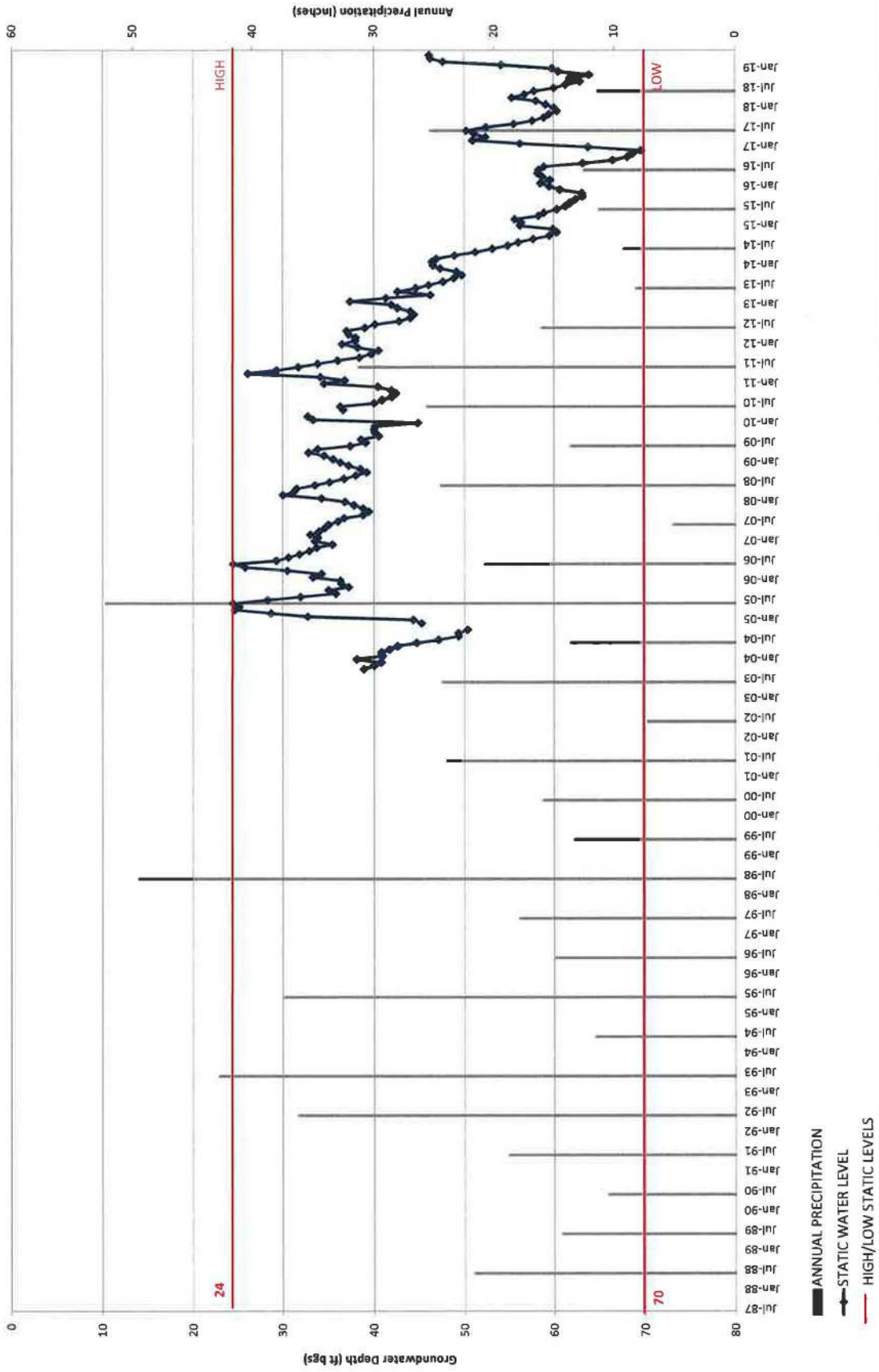
SCV WATER WELL W9
STATIC WATER LEVEL VS PRECIPITATION



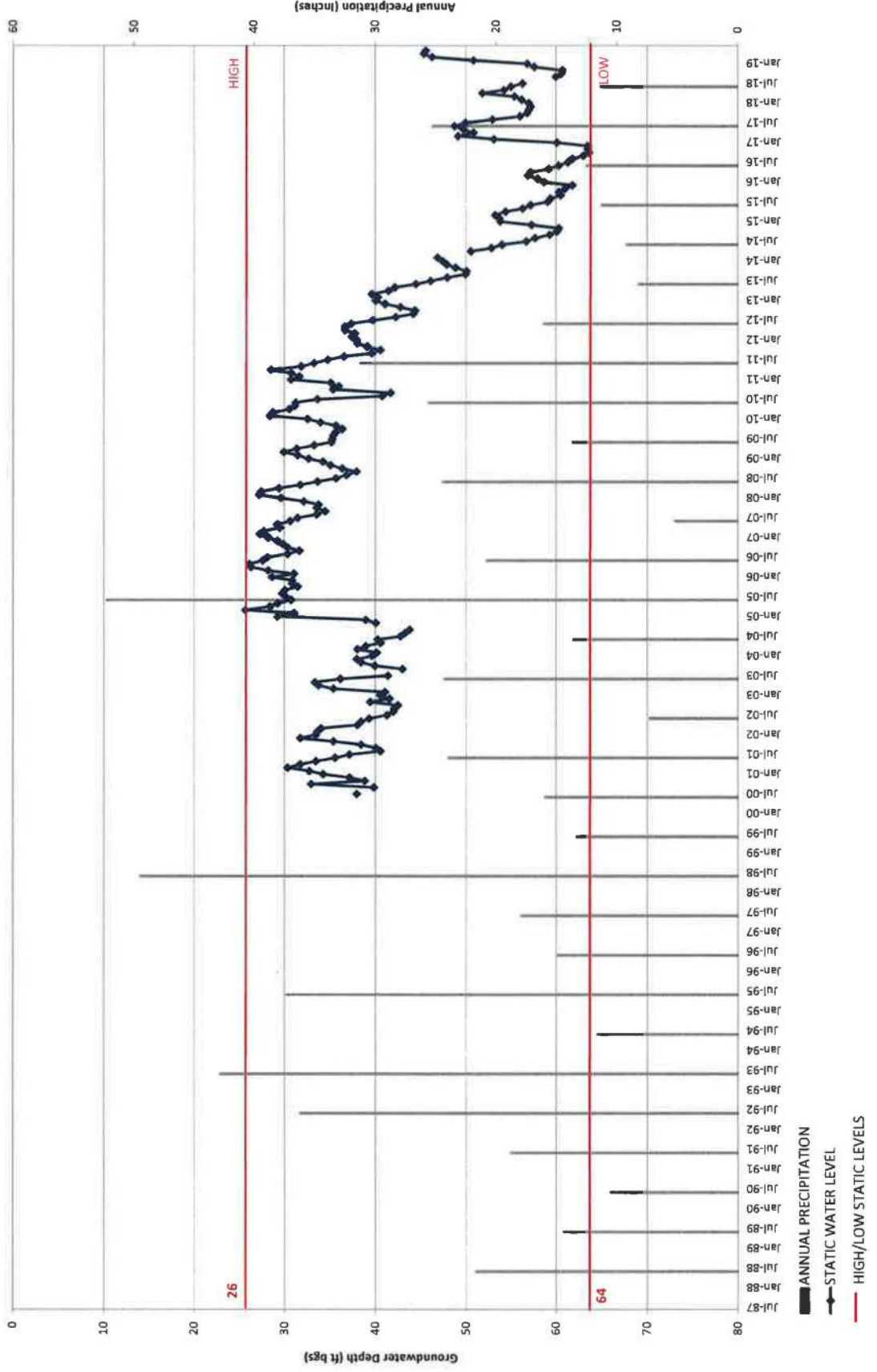
SCV WATER WELL W11
STATIC WATER LEVEL PRECIPITATION



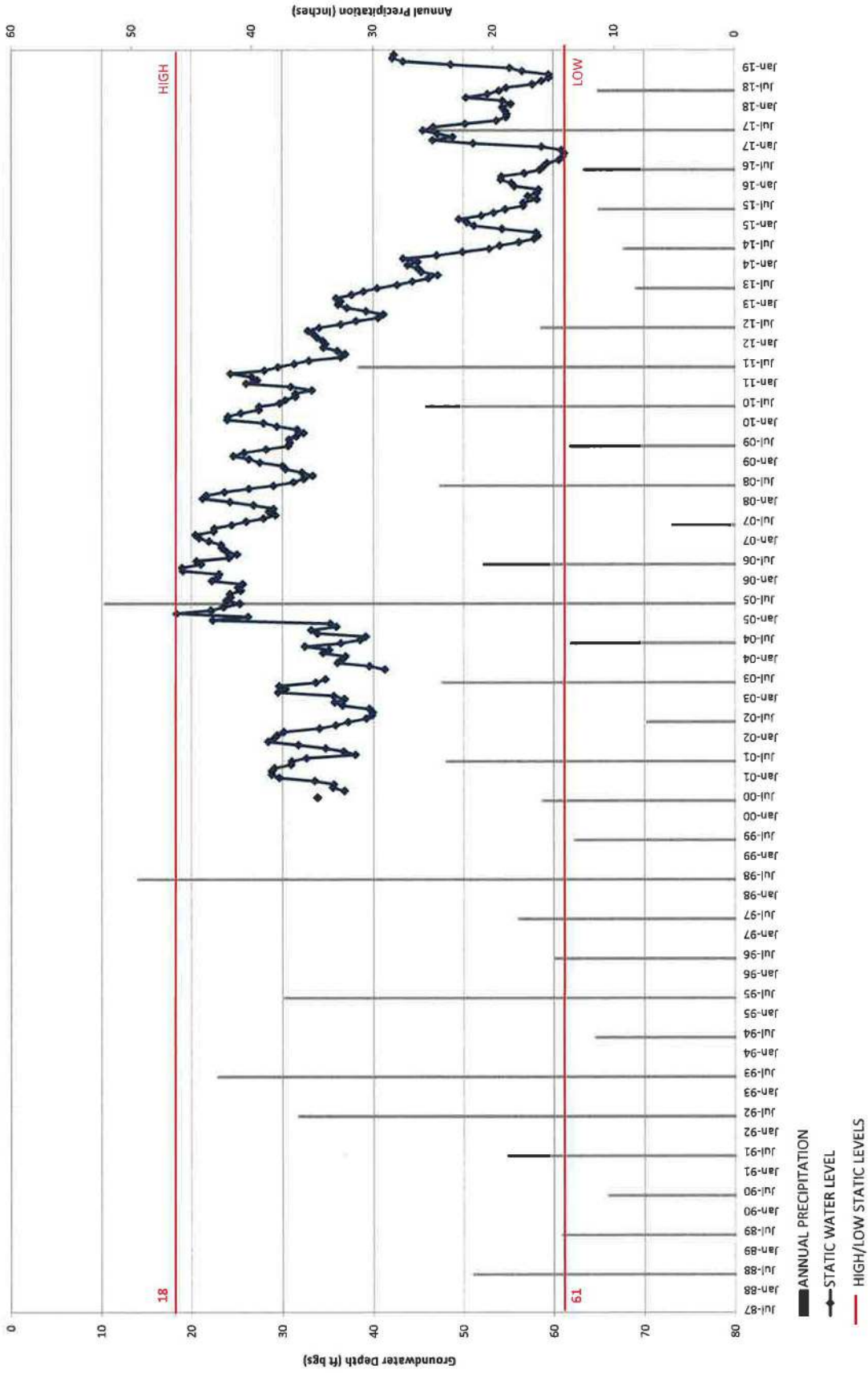
SCV WATER WELL W10
STATIC WATER LEVEL VS PRECIPITATION



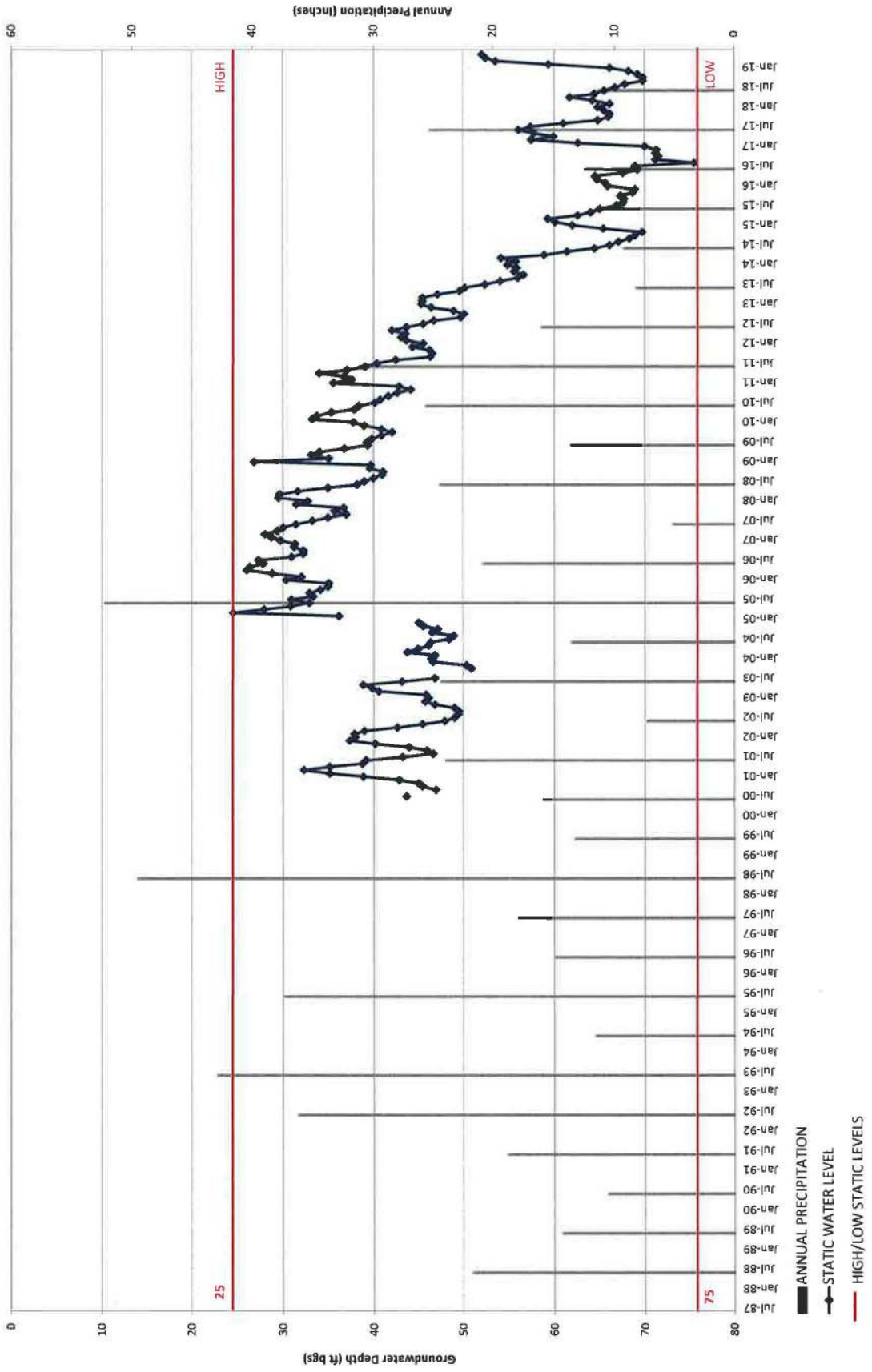
SCV WATER WELL S6
STATIC WATER LEVEL VS PRECIPITATION



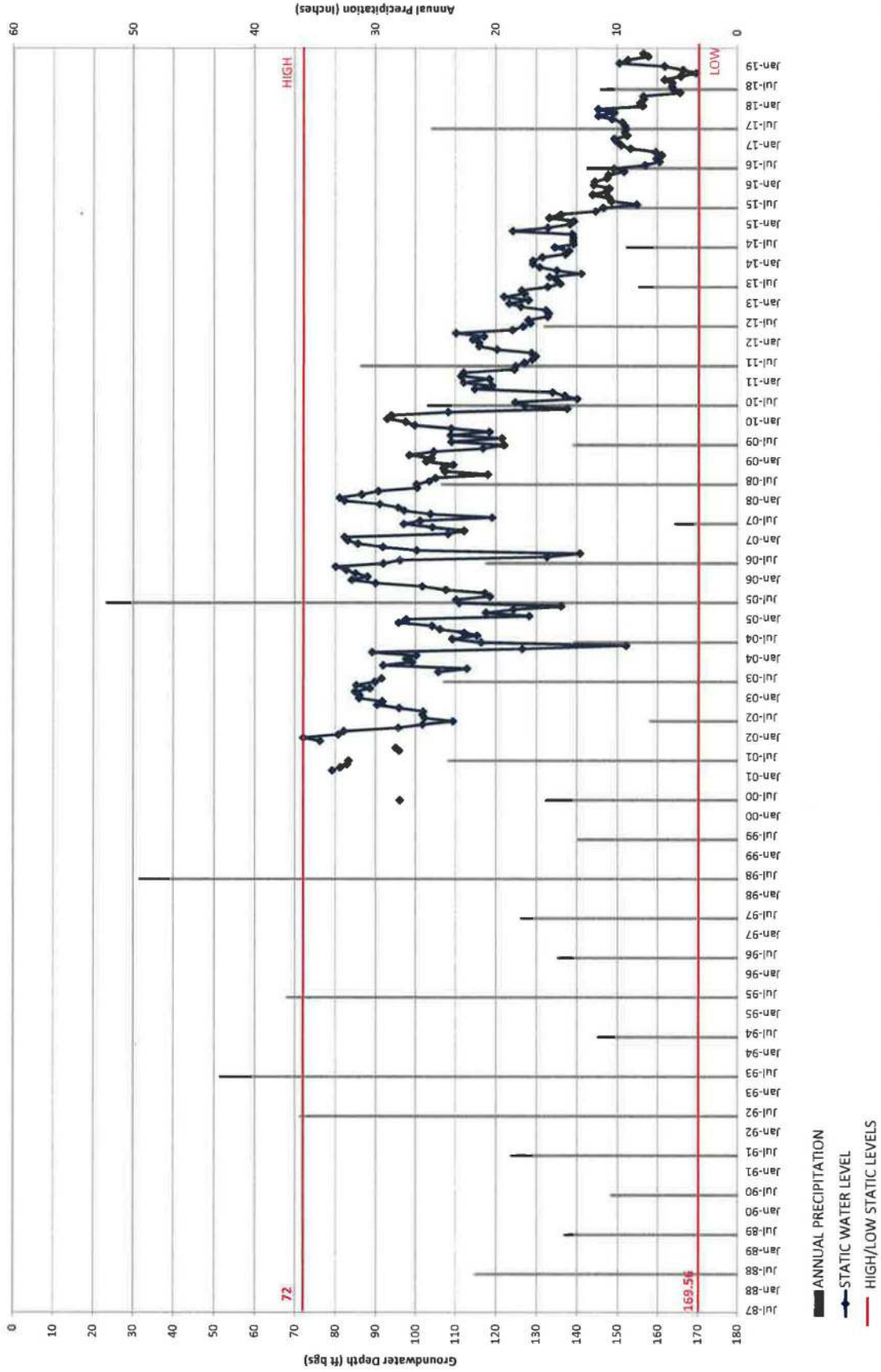
SCV WATER WELL S7
STATIC WATER LEVEL VS PRECIPITATION



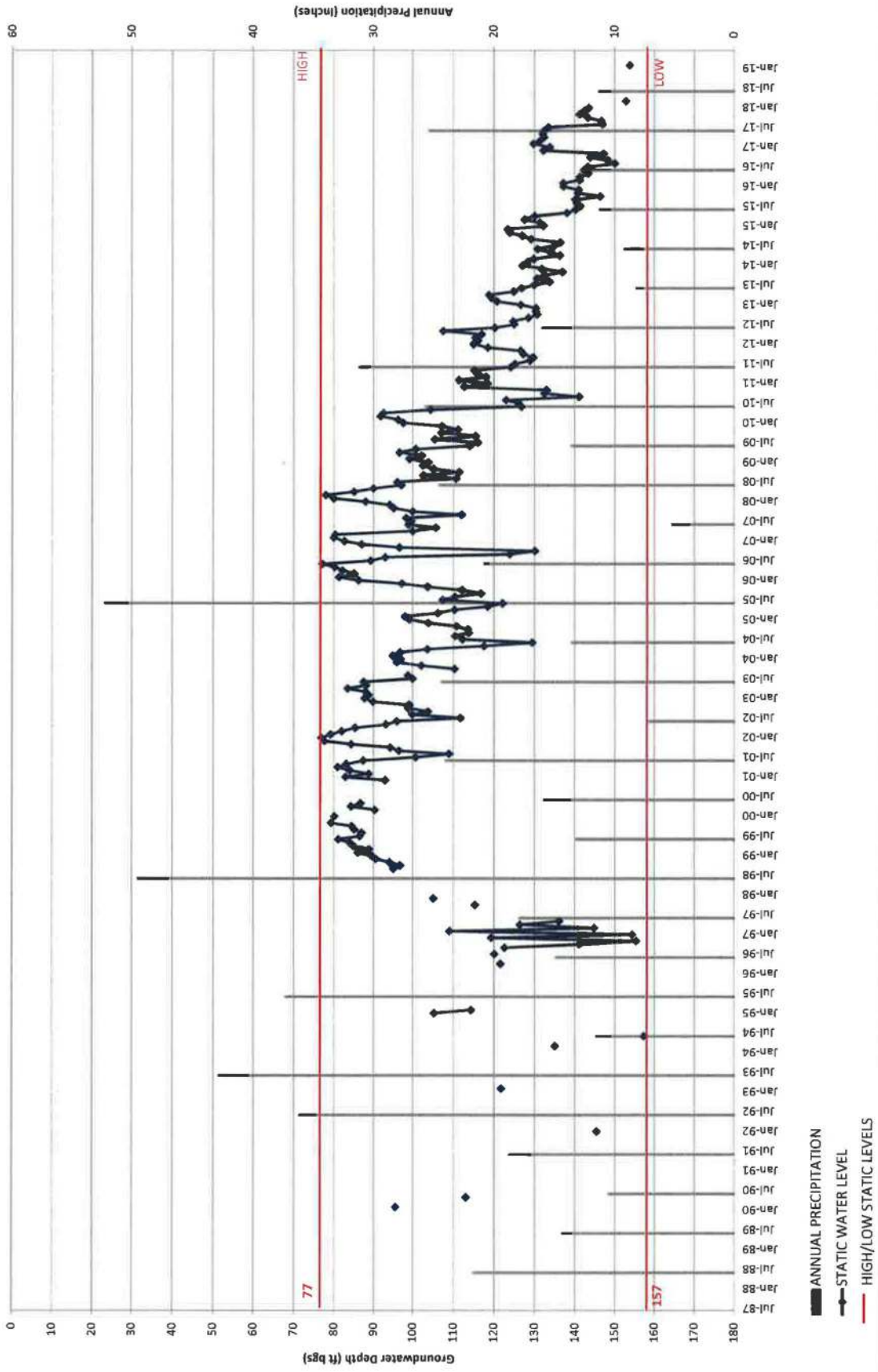
SCV WATER WELL S8
STATIC WATER LEVEL VS PRECIPITATION



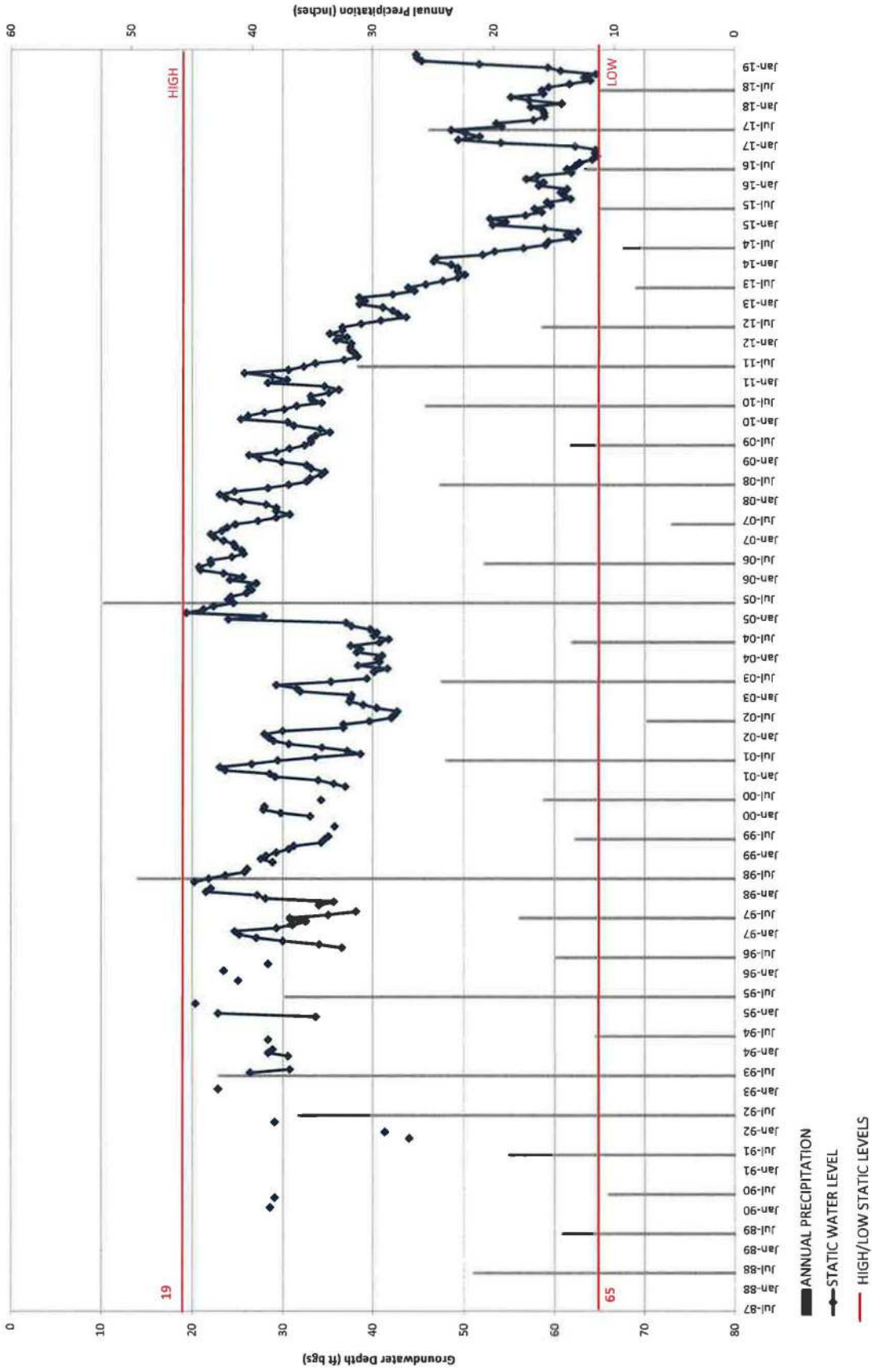
SCV WATER WELL 205
STATIC WATER LEVEL VS PRECIPITATION



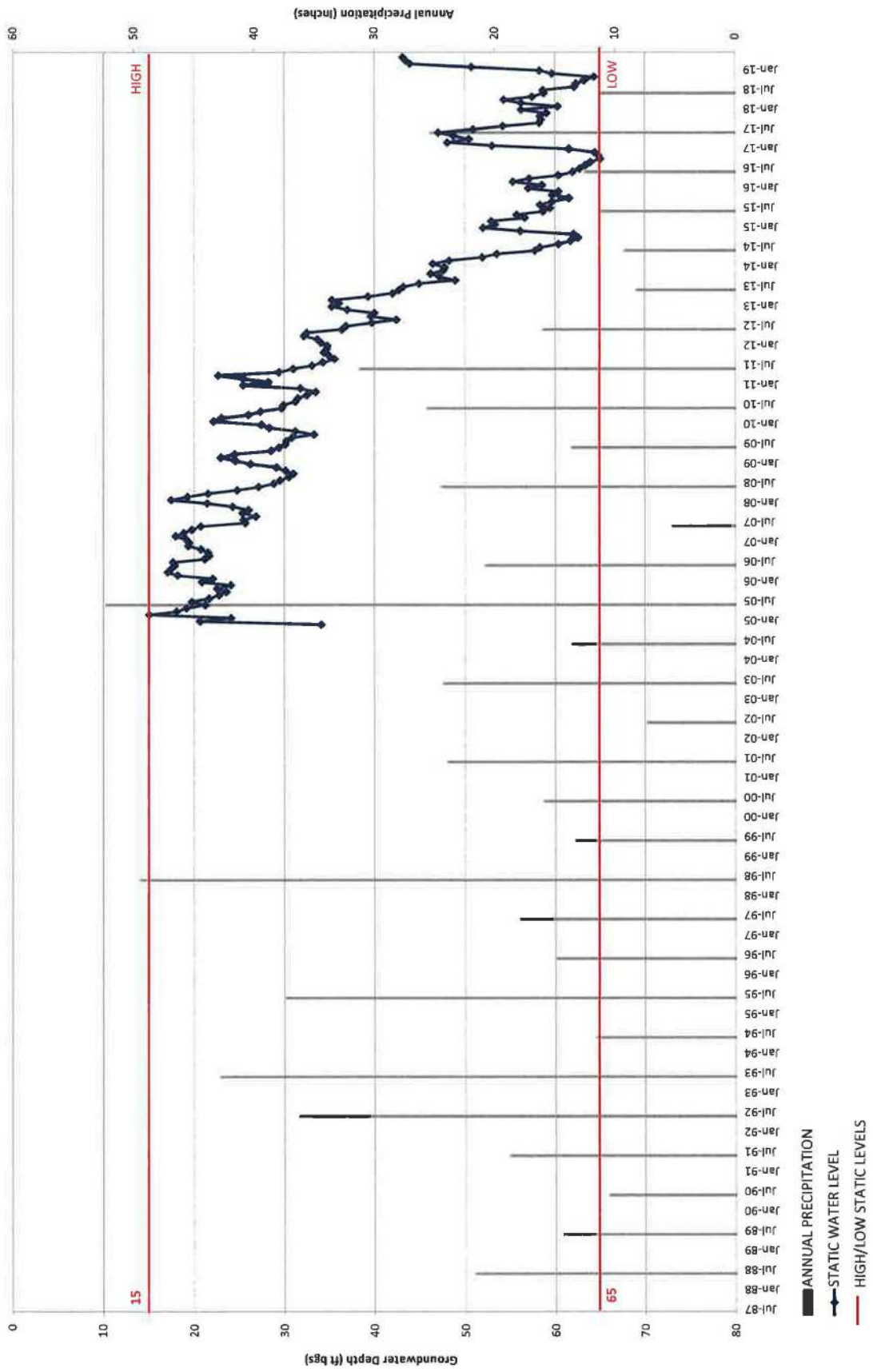
SCV WATER WELL 201
STATIC WATER LEVEL VS PRECIPITATION



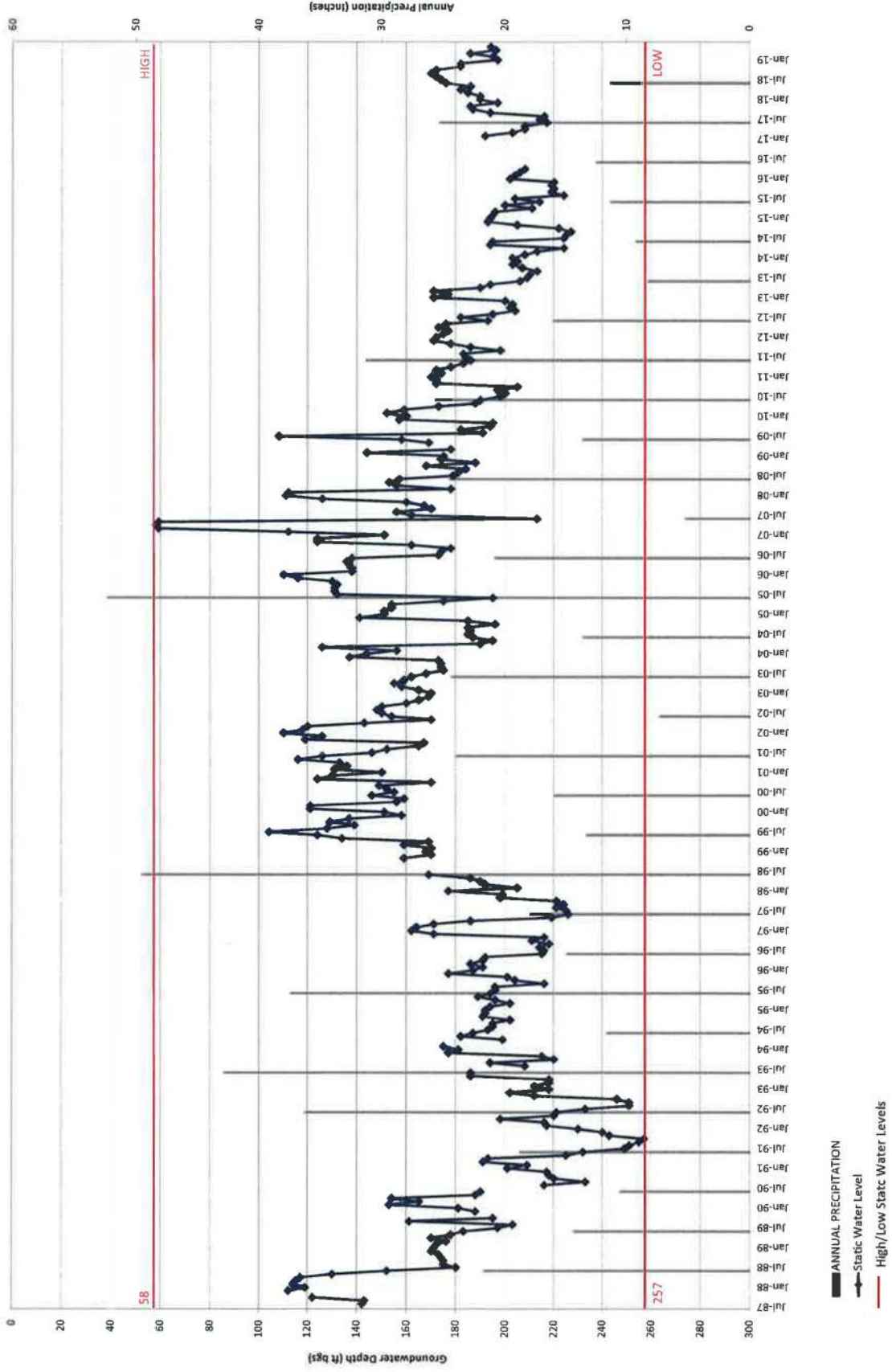
SCV WATER WELL N
STATIC WATER LEVEL VS PRECIPITATION



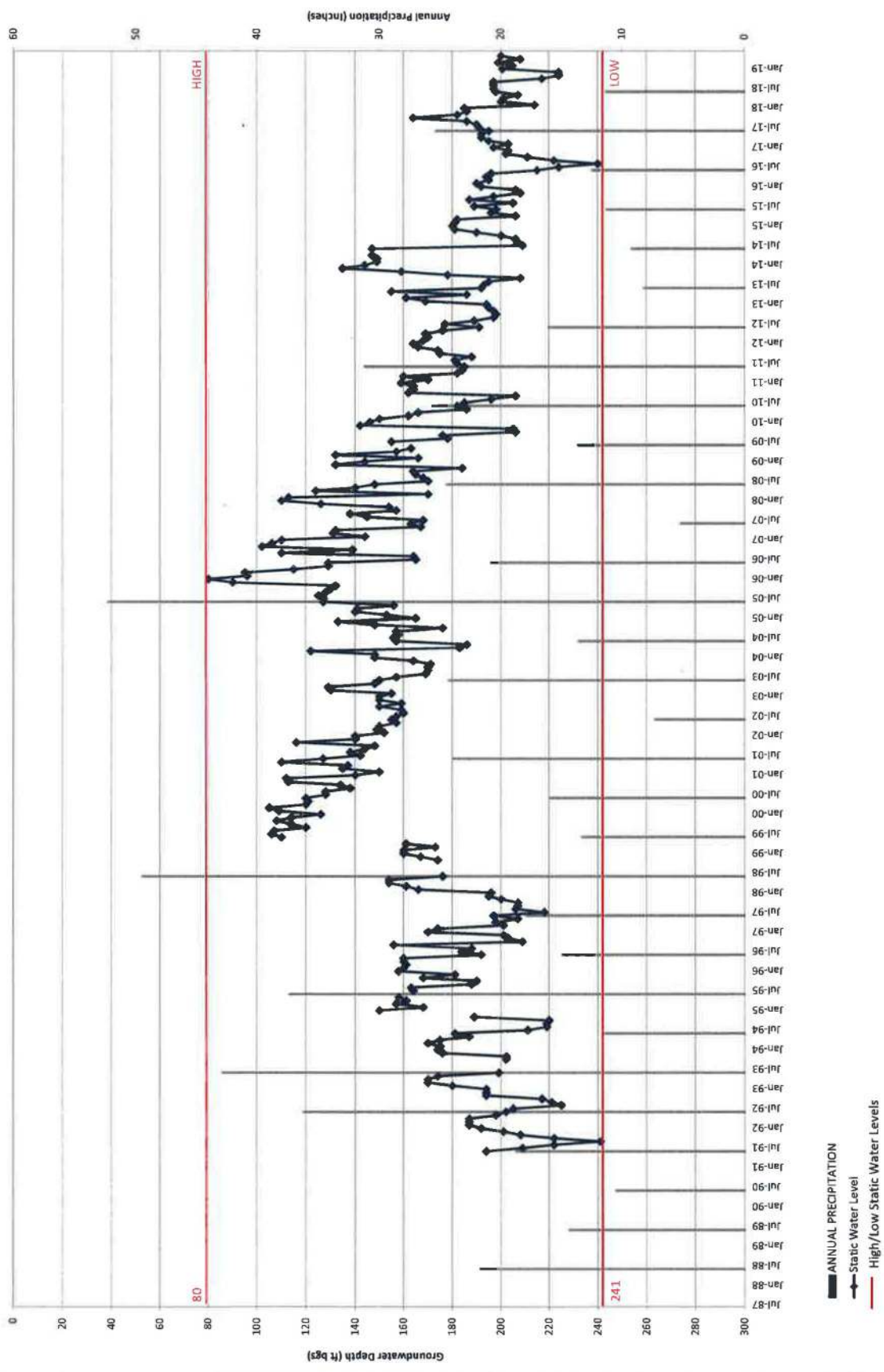
SCV WATER WELL N7
STATIC WATER LEVEL VS PRECIPITATION



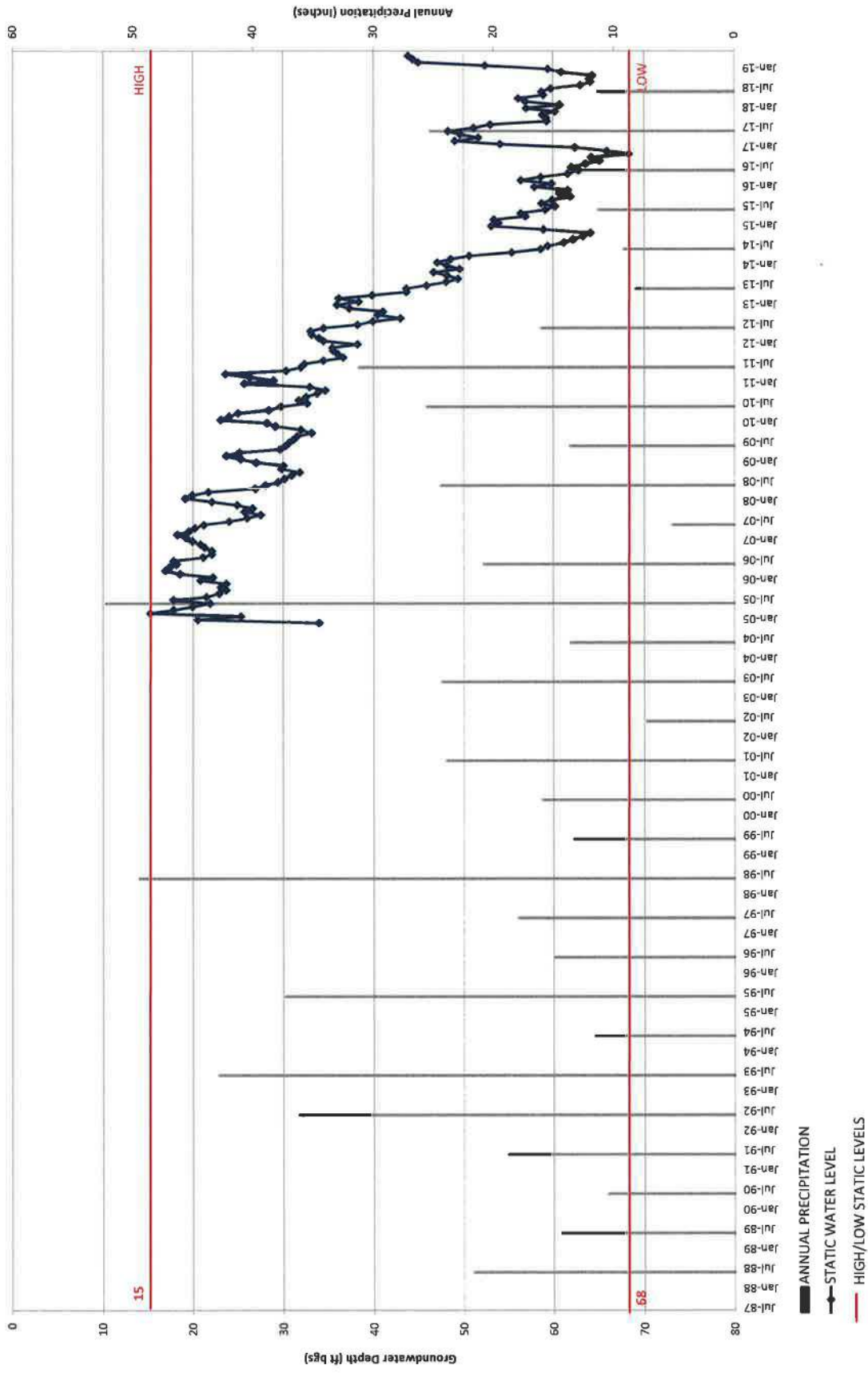
SCV WATER WELL N12
 STATIC WATER LEVEL VS. PRECIPITATION



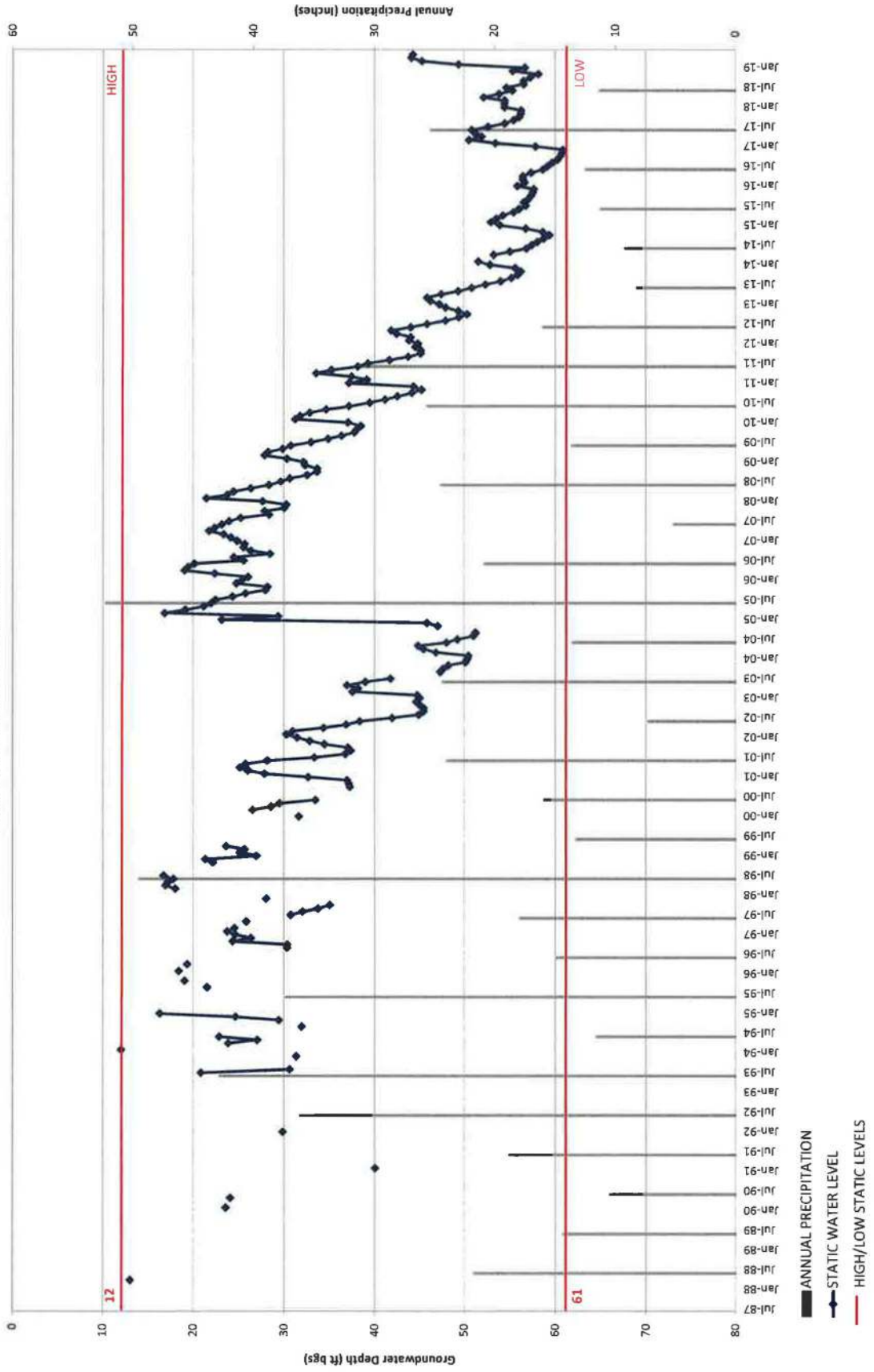
SCV WATER WELL N13
STATIC WATER LEVEL VS PRECIPITATION



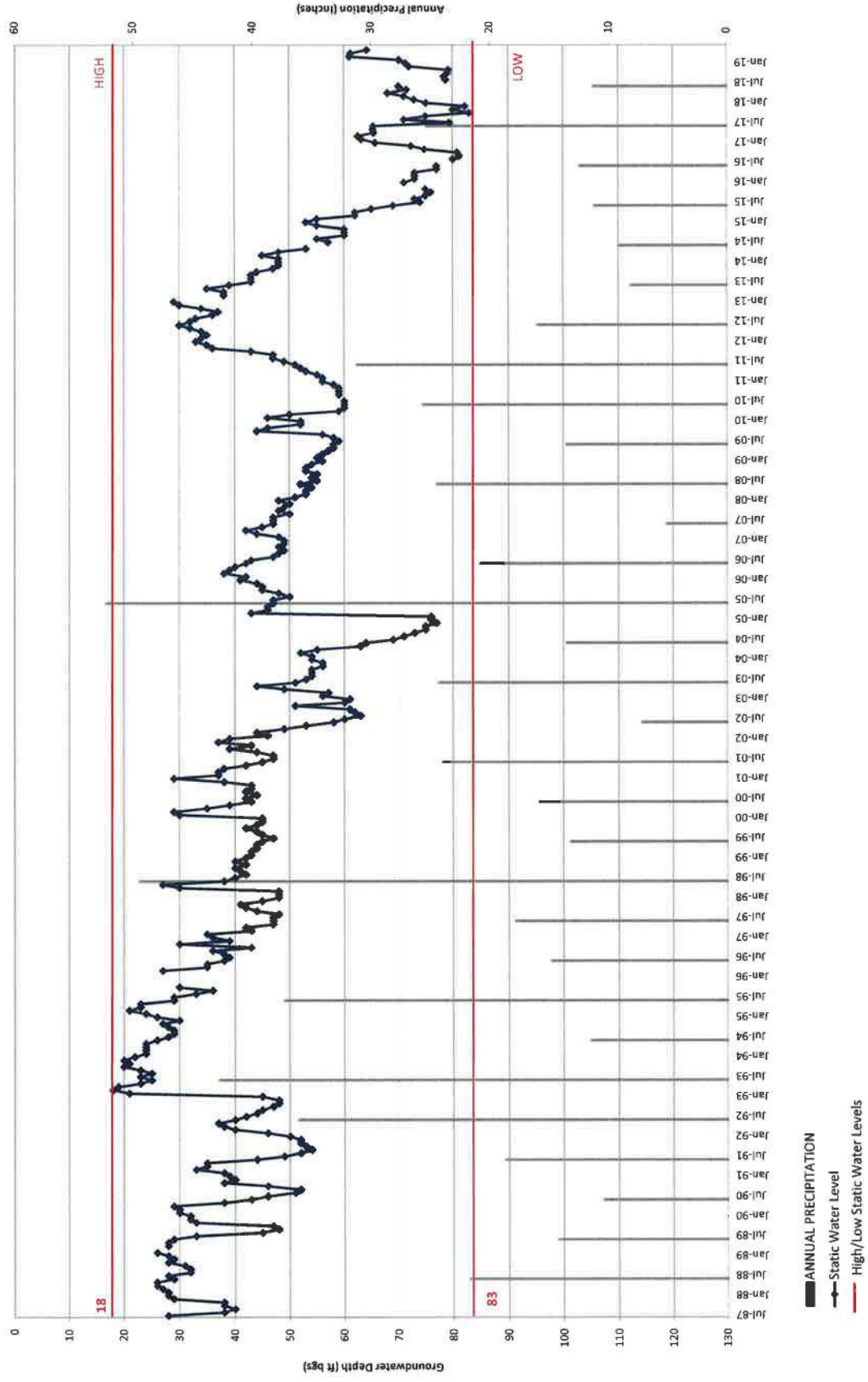
SCV WATER WELL N8
STATIC WATER LEVEL VS PRECIPITATION



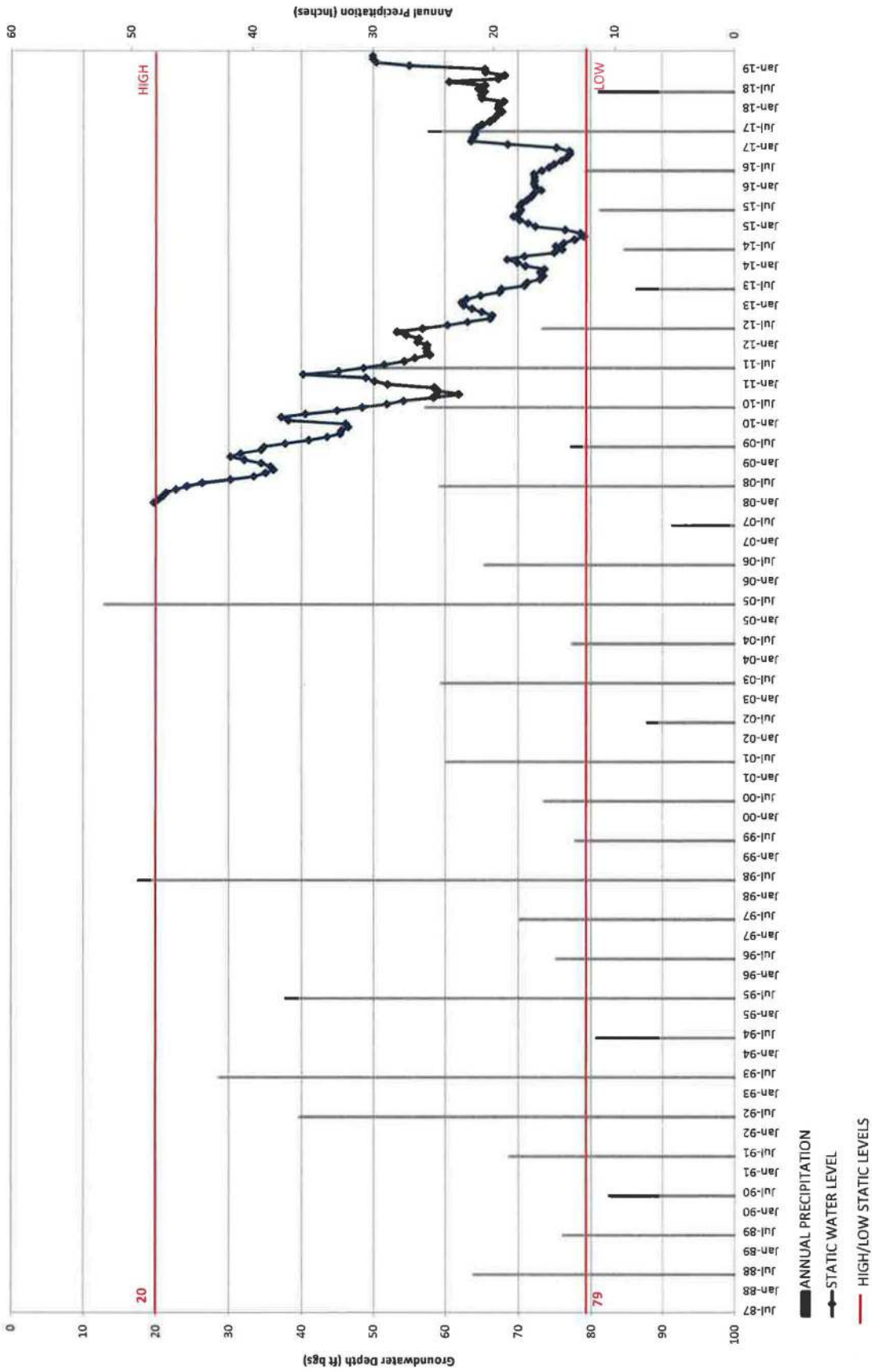
SCV WATER WELL Q2
STATIC WATER LEVEL VS PRECIPITATION



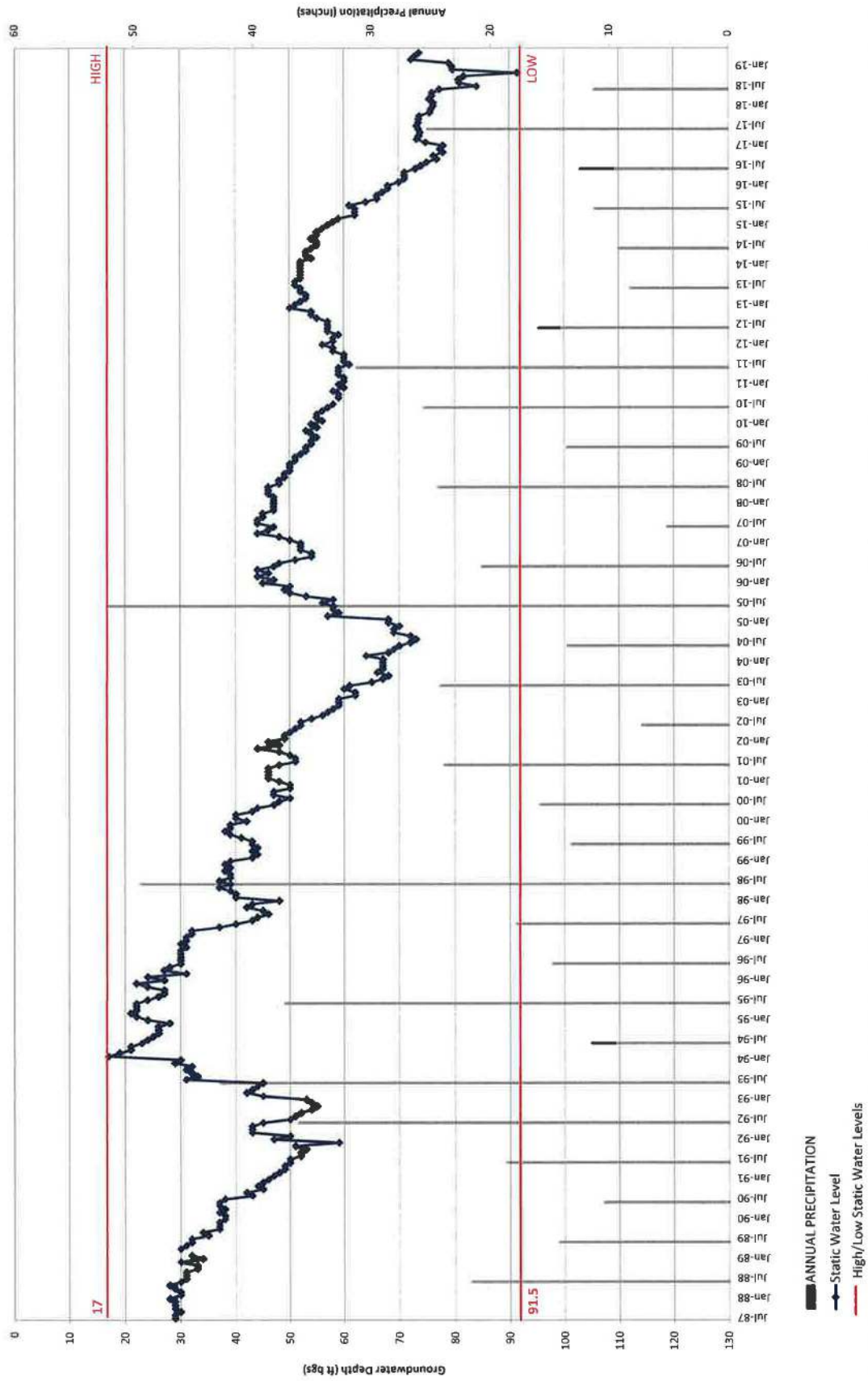
SCV WATER WELL GUIDA #14
 STATIC WATER LEVEL VS PRECIPITATION



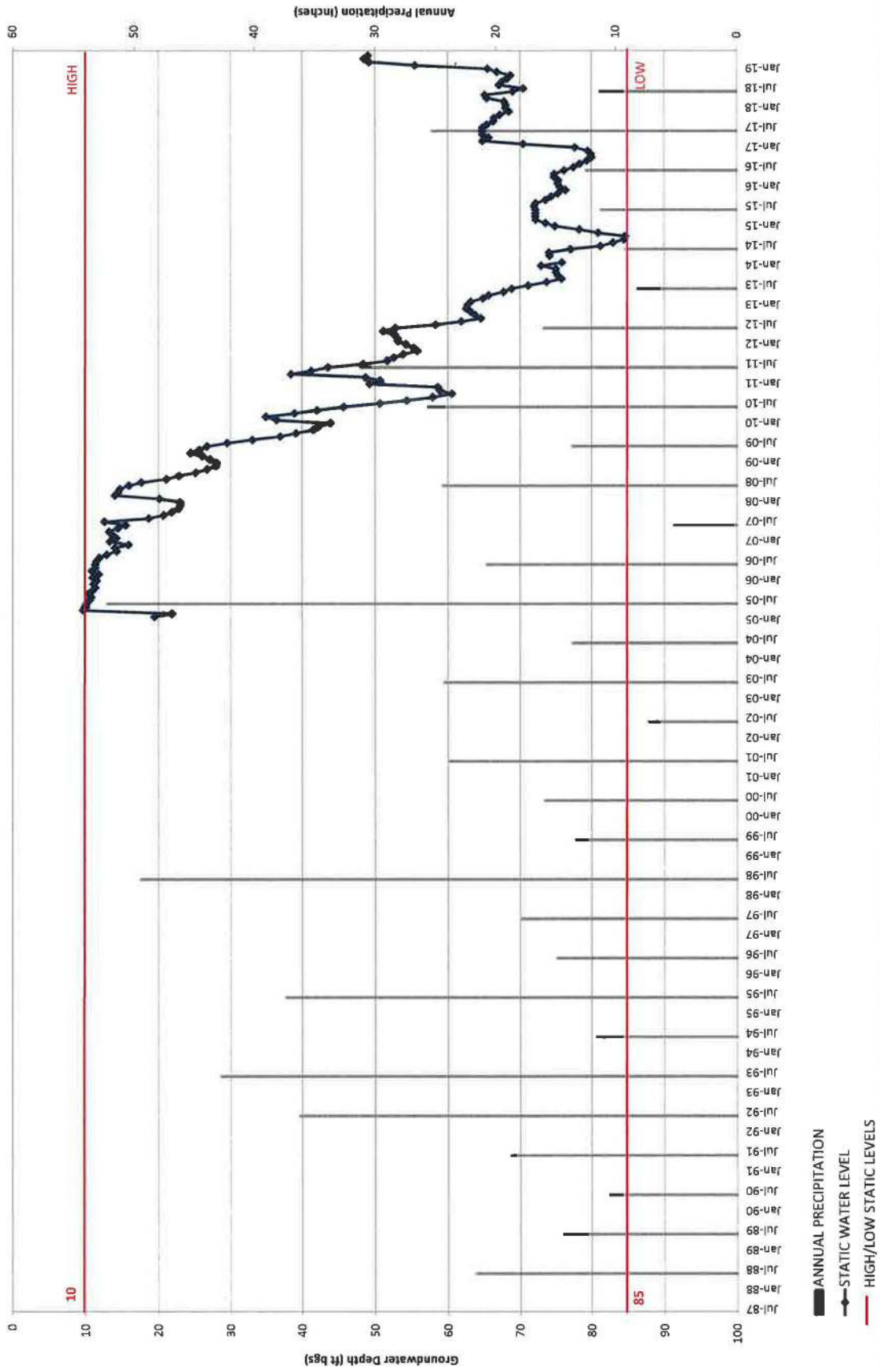
SCV WATER WELL T7
STATIC WATER LEVEL VS PRECIPITATION



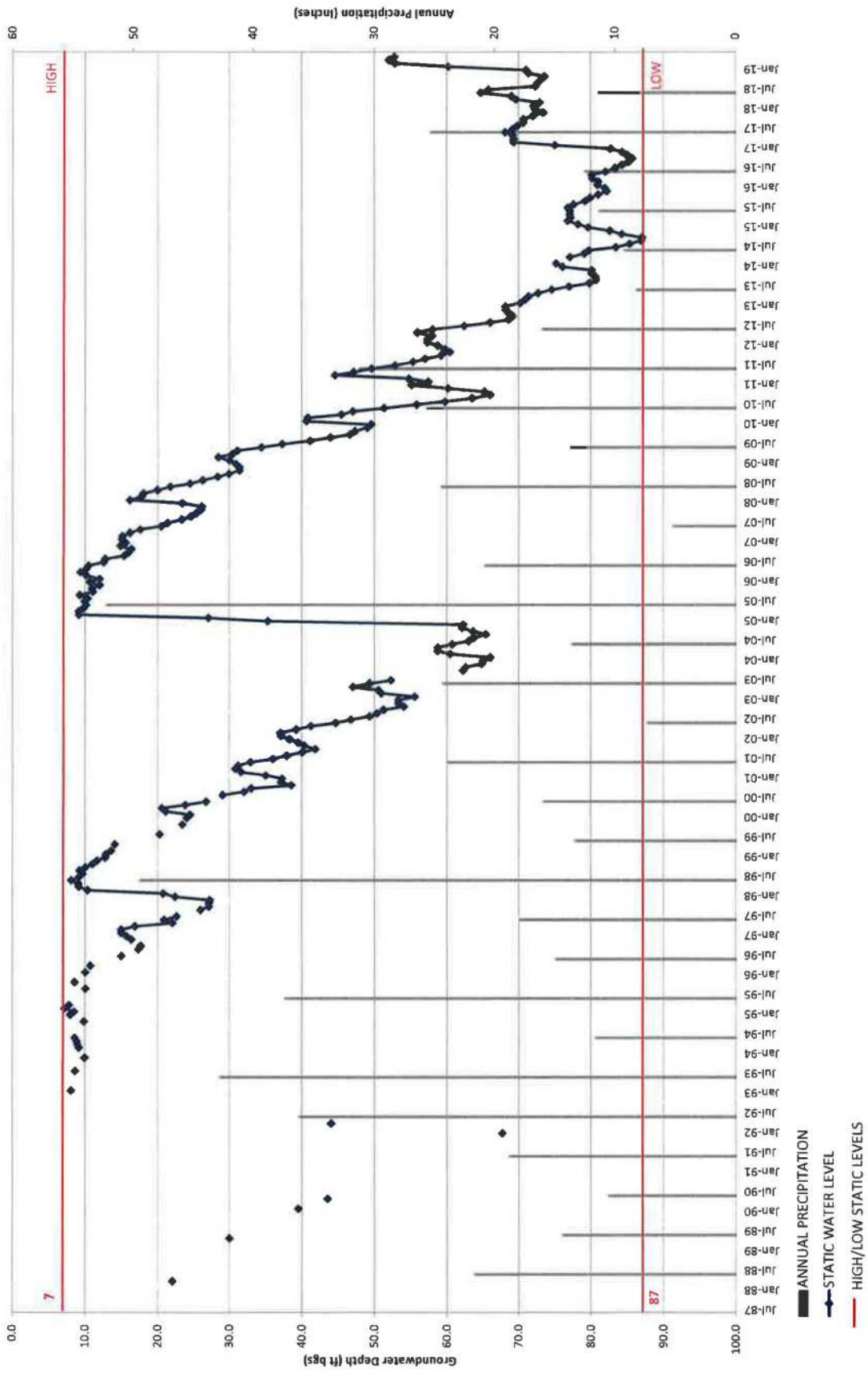
SCV WATER WELL CLARK #15
 STATIC WATER LEVEL VS PRECIPITATION



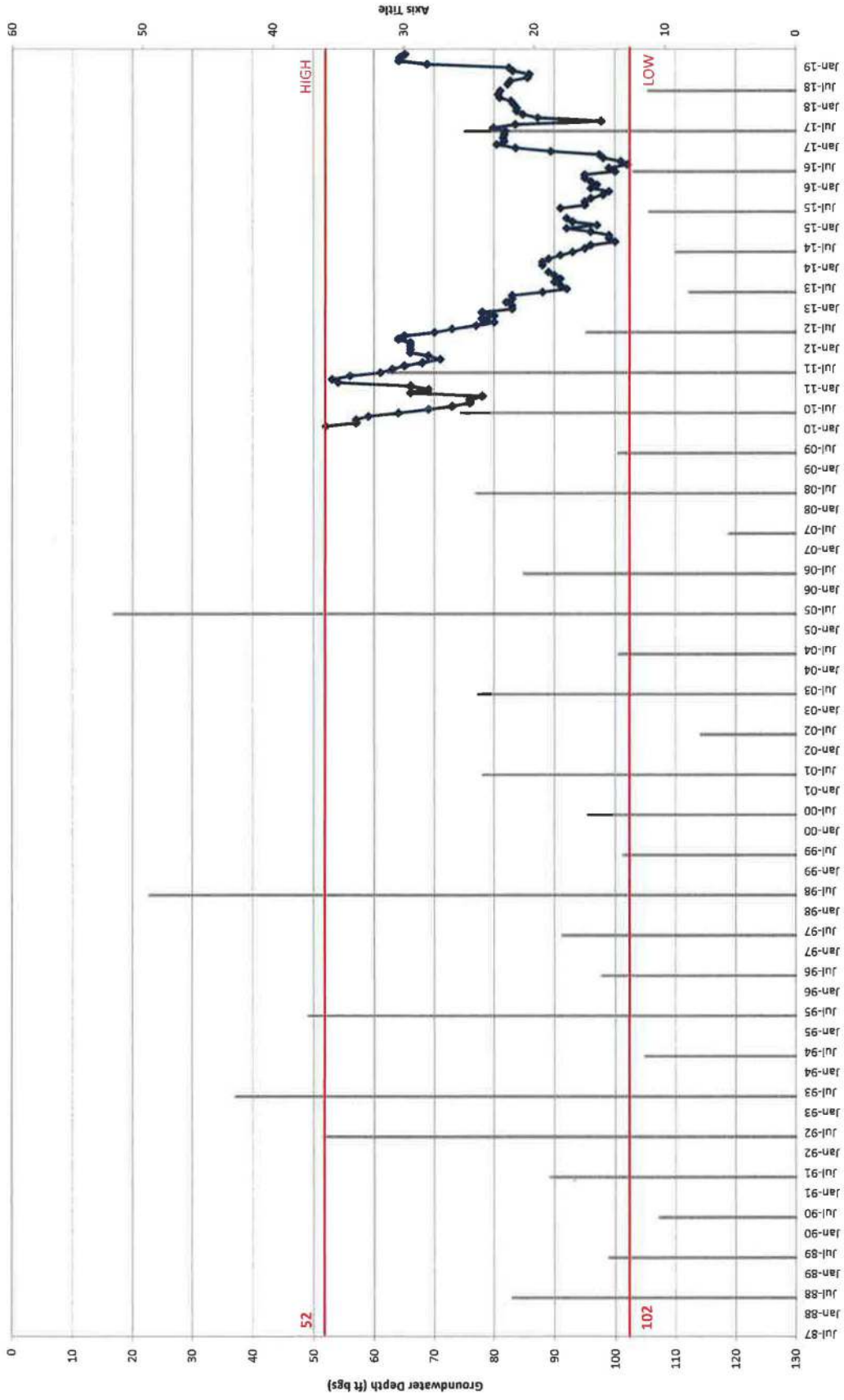
SCV WATER WELL U6
STATIC WATER LEVEL VS PRECIPITATION



SCV WATER WELL U4
STATIC WATER LEVEL VS PRECIPITATION

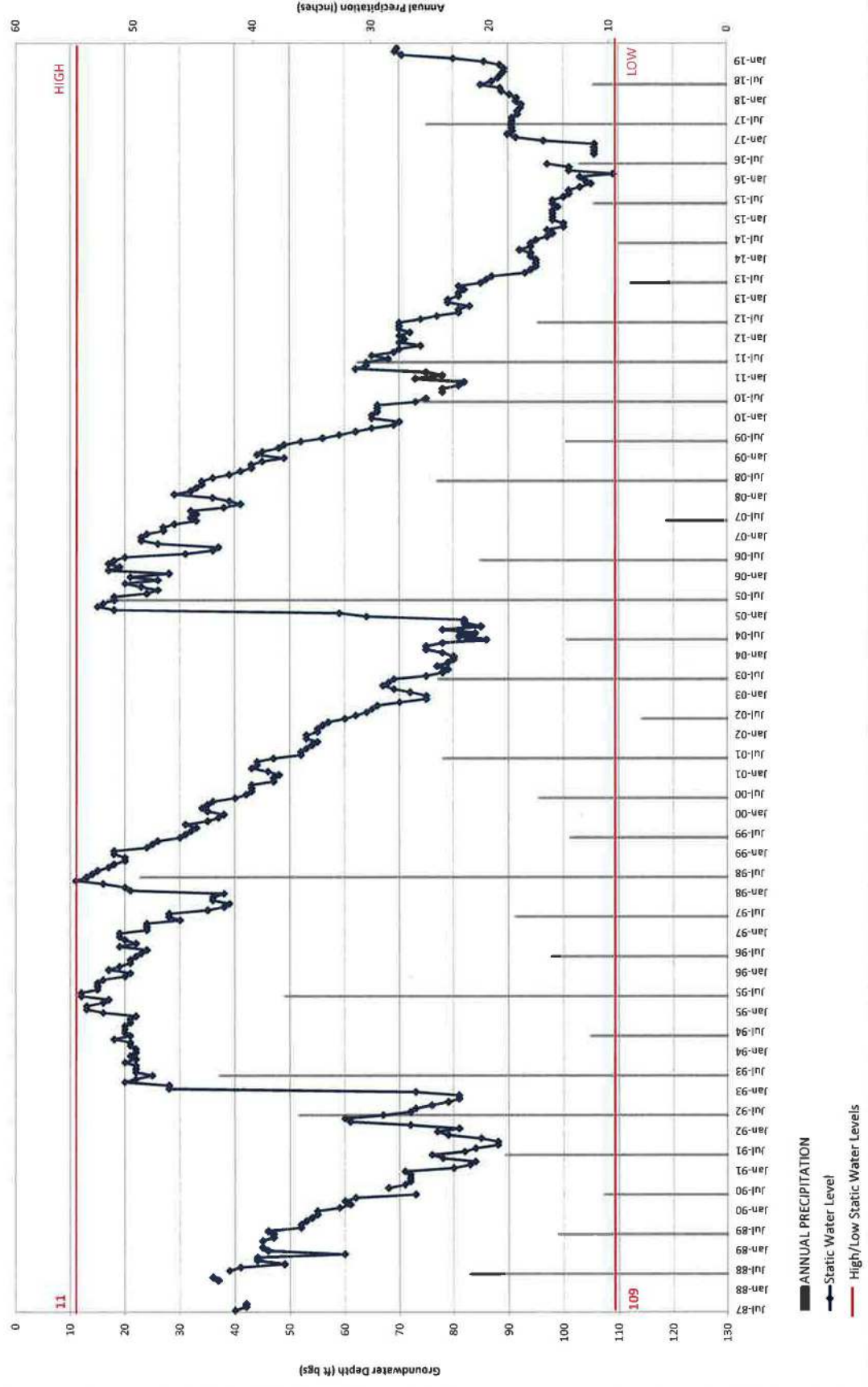


SCV WATER WELL VALLEY CENTER
 STATIC WATER LEVEL VS PRECIPITATION

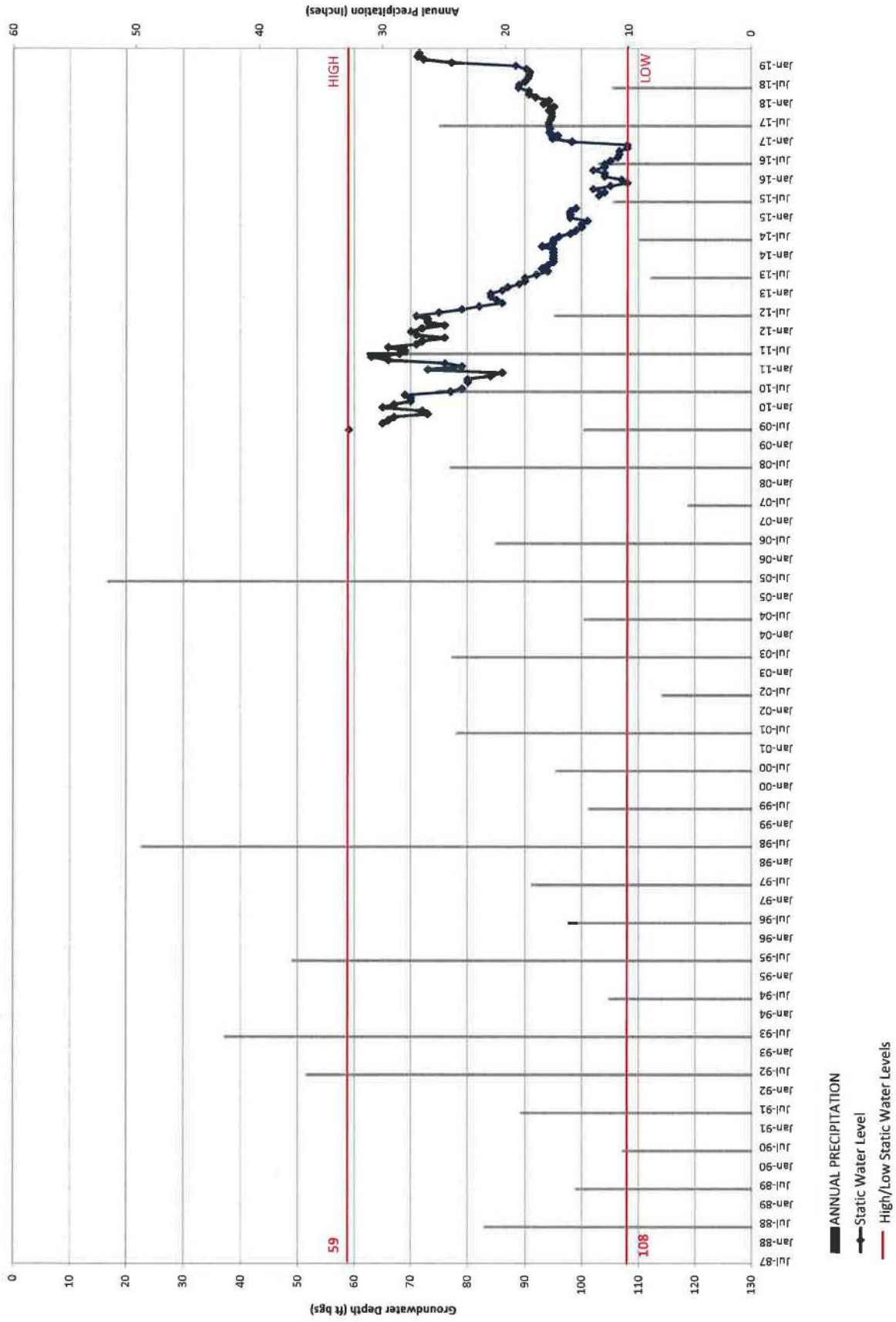


■ ANNUAL PRECIPITATION
 ◆ Static Water Level
 — High/Low Static Water Levels

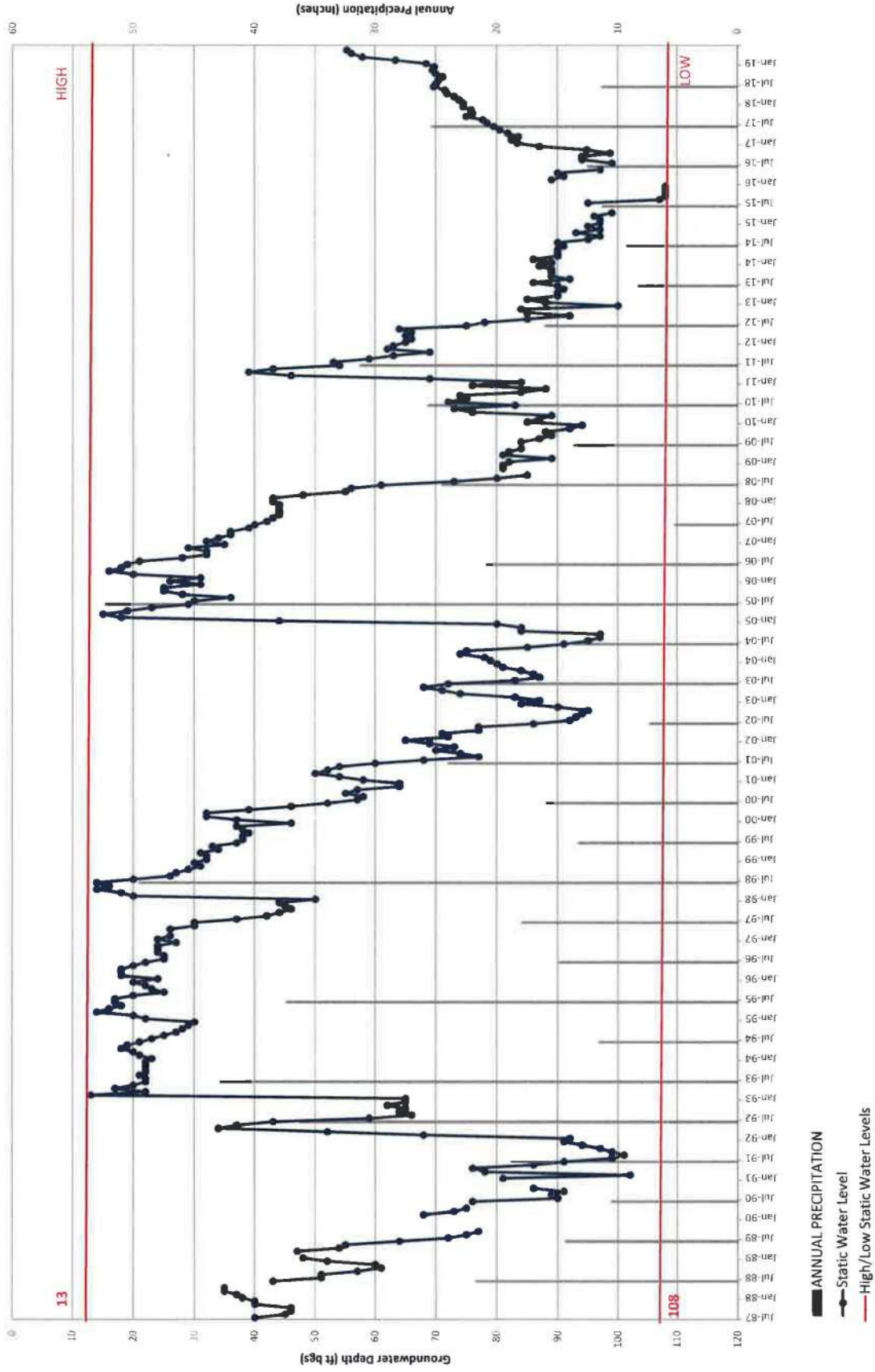
SCV WATER WELL HONBY #12
 STATIC WATER LEVEL VS PRECIPITATION



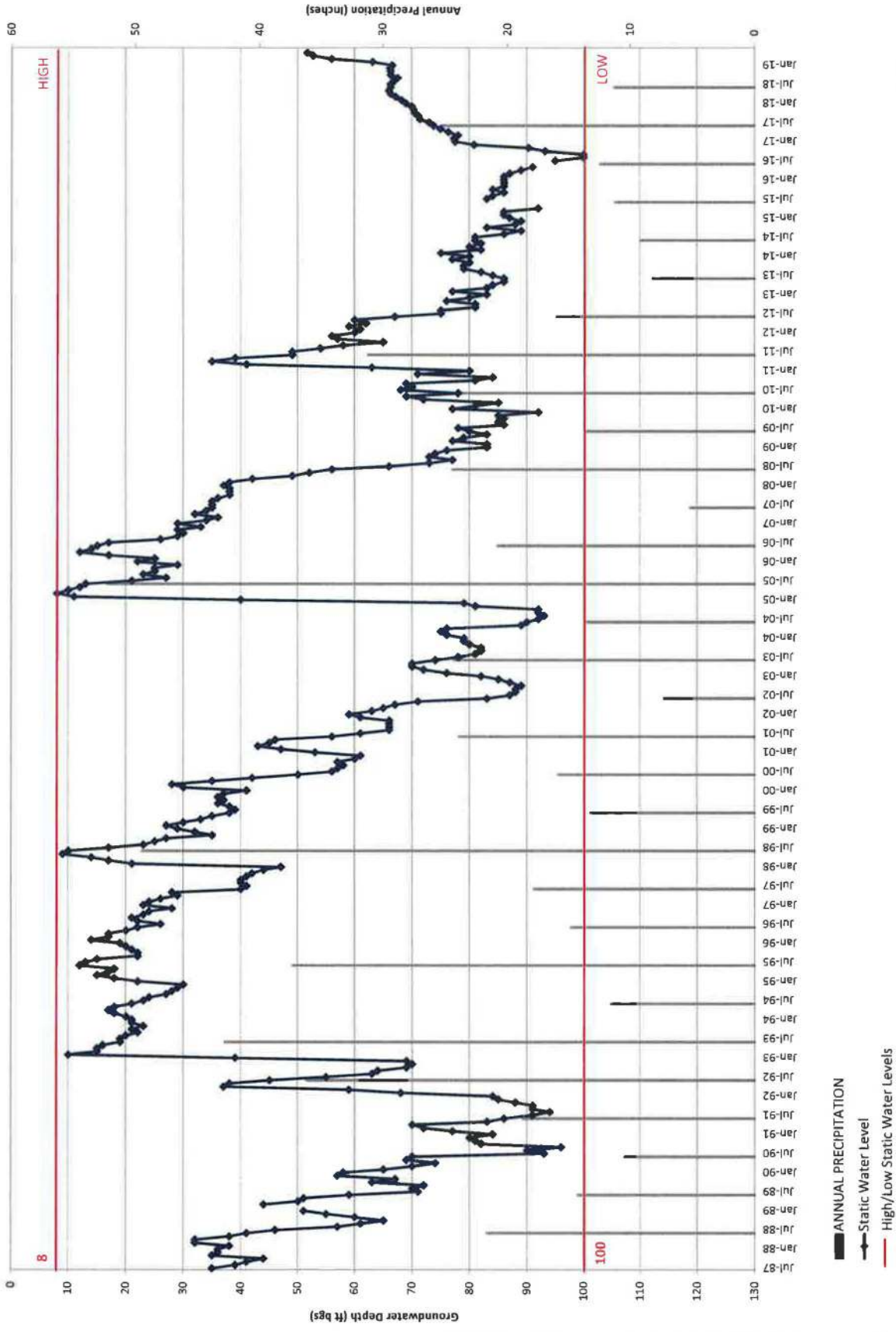
SCV WATER WELL SANTA CLARA
STATIC WATER LEVEL VS PRECIPITATION



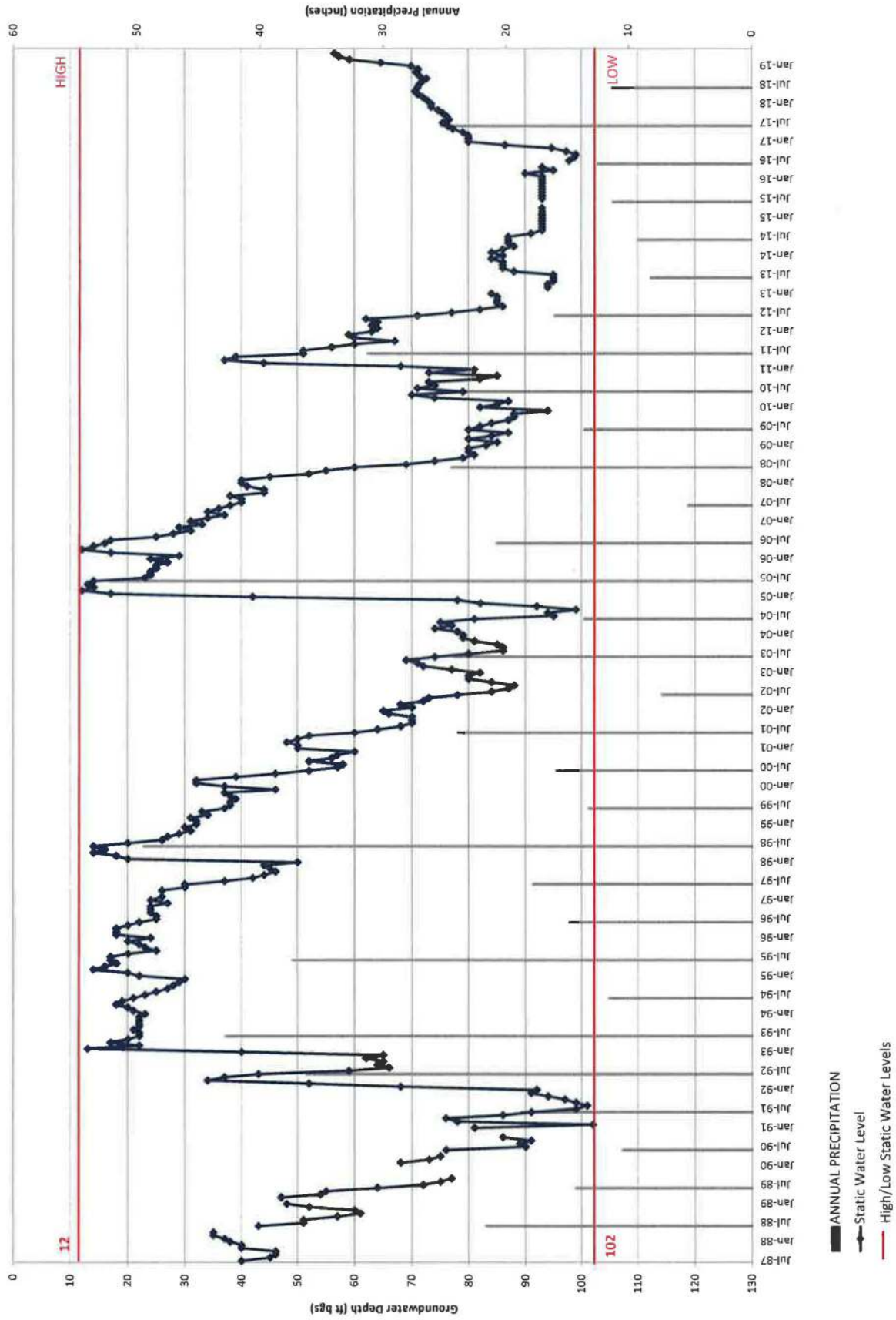
SCV WATER WELL NORTH OAKS CENTRAL #8
 STATIC WATER LEVEL VS. PRECIPITATION



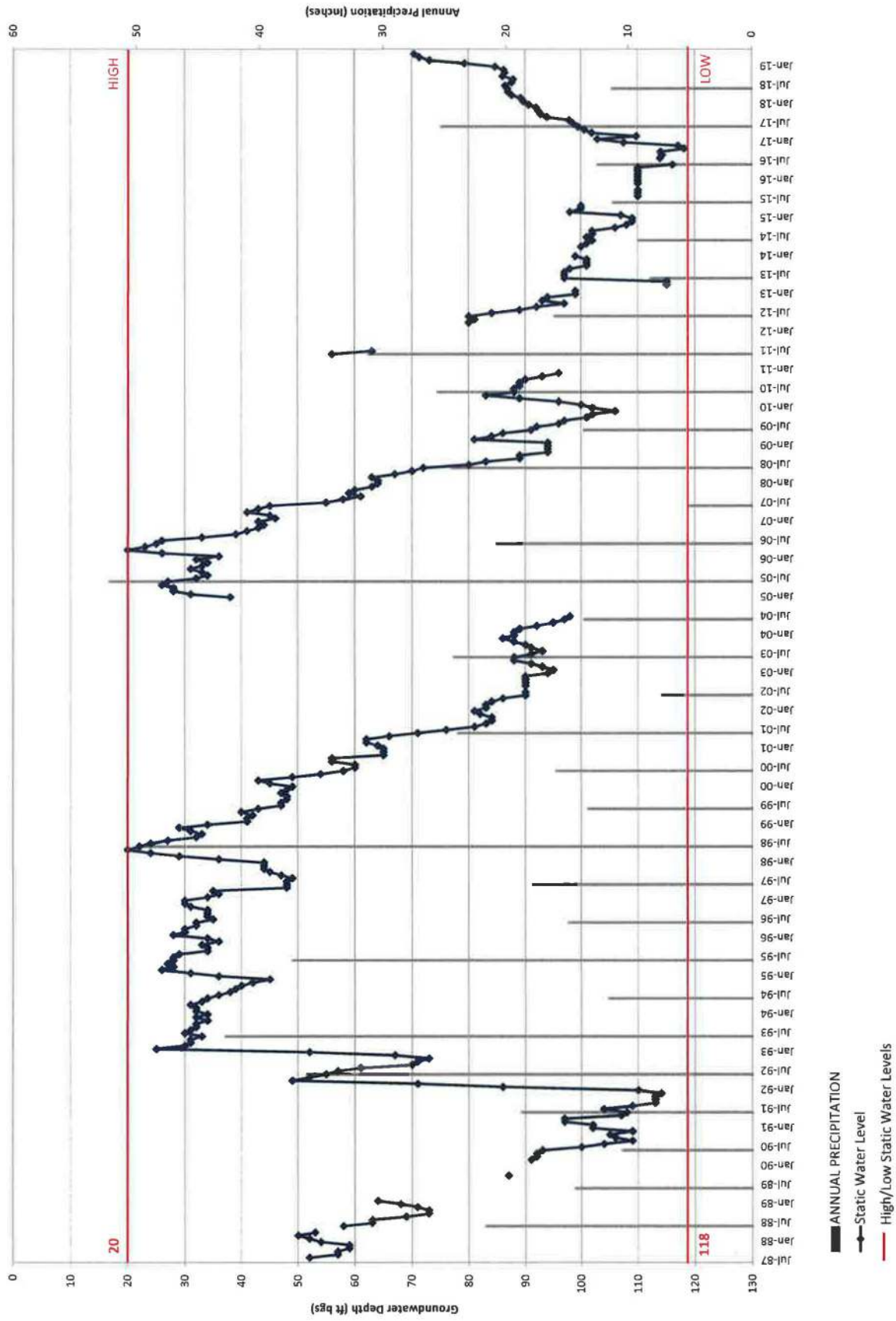
SCV WATER WELL NORTH OAKS WEST #9
 STATIC WATER LEVEL VS PRECIPITATION



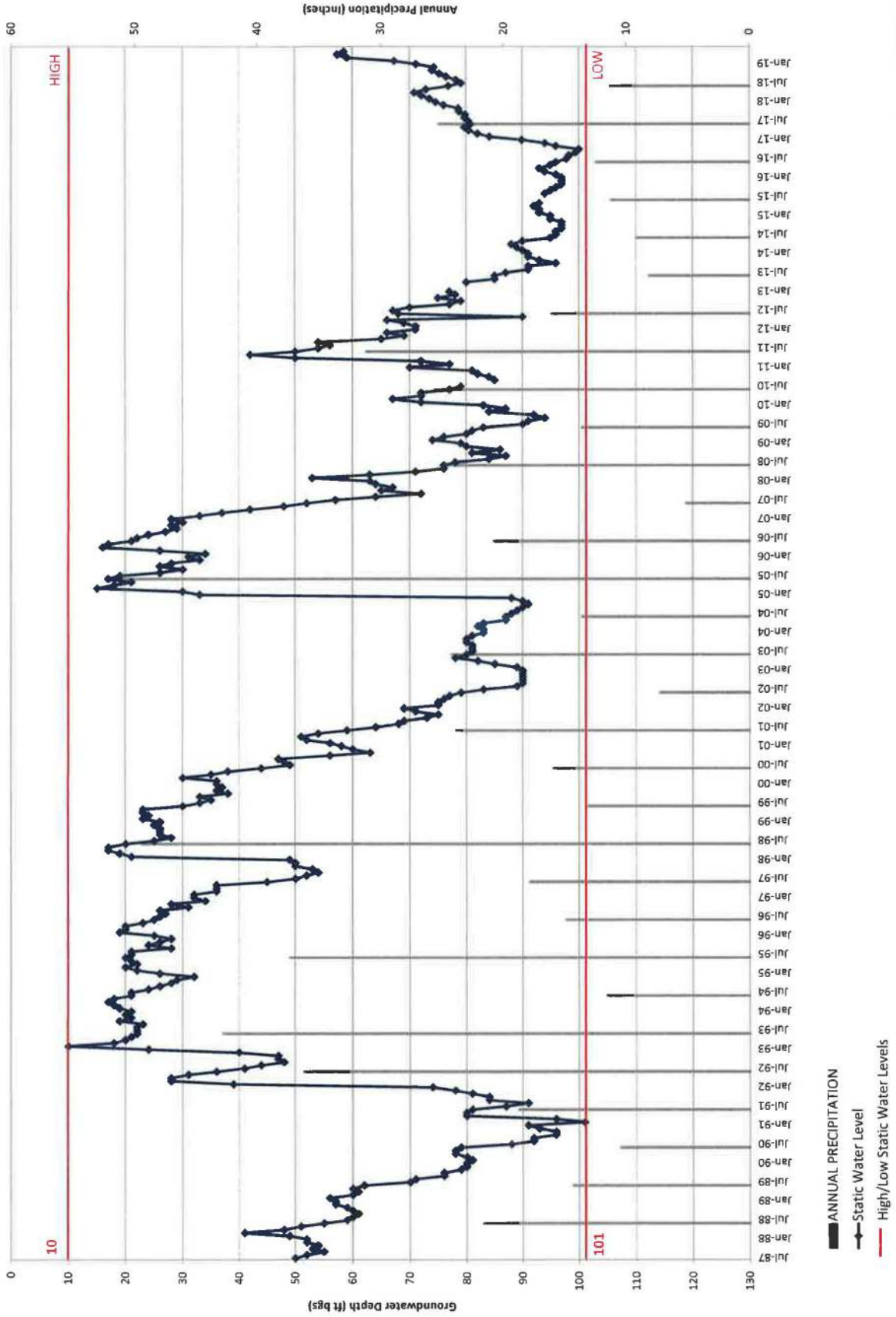
SCV WATER WELL NORTH OAKS EAST #7
 STATIC WATER LEVEL VS PRECIPITATION



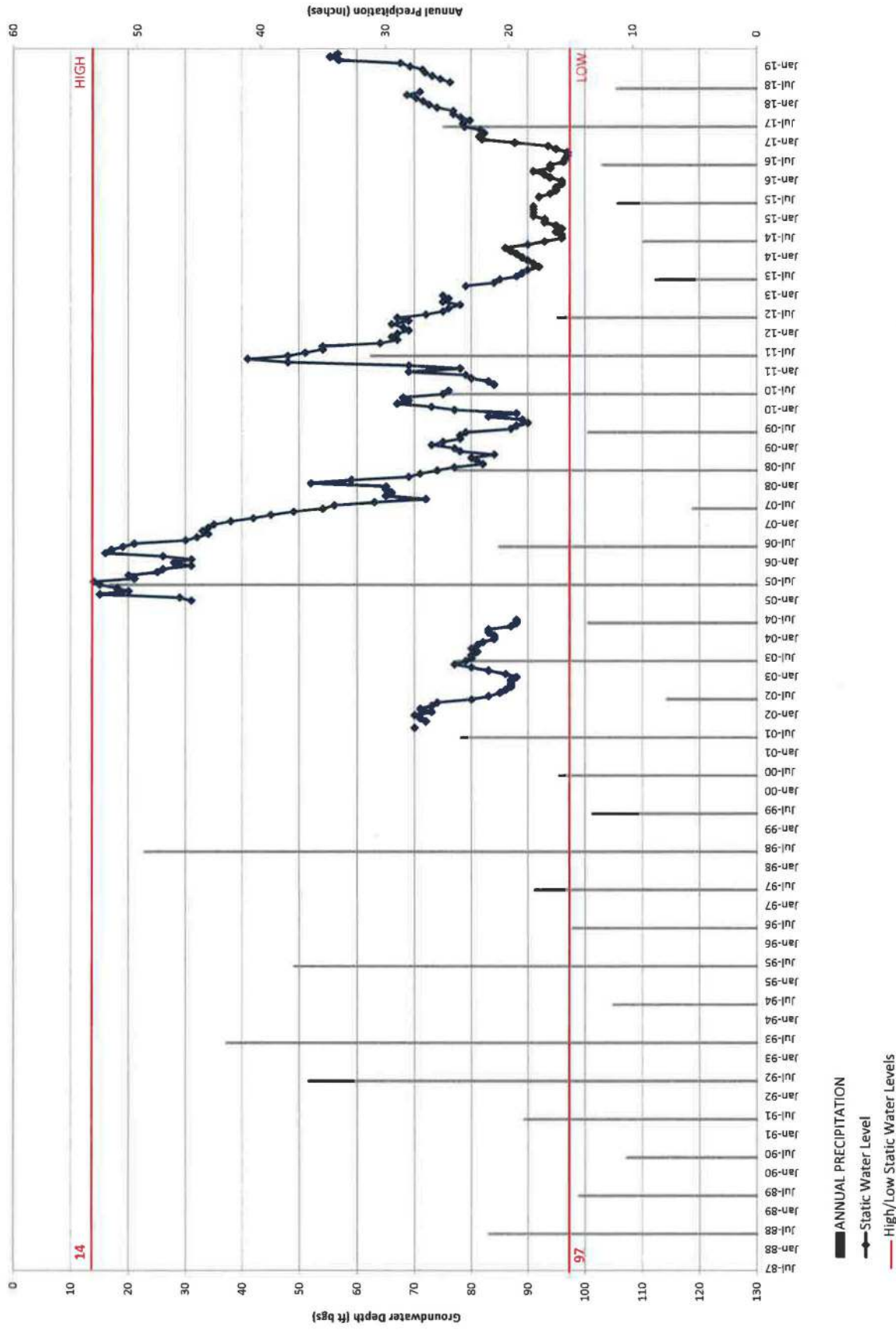
SCV WATER WELL SIERRA #6
 STATIC WATER LEVEL VS. PRECIPITATION



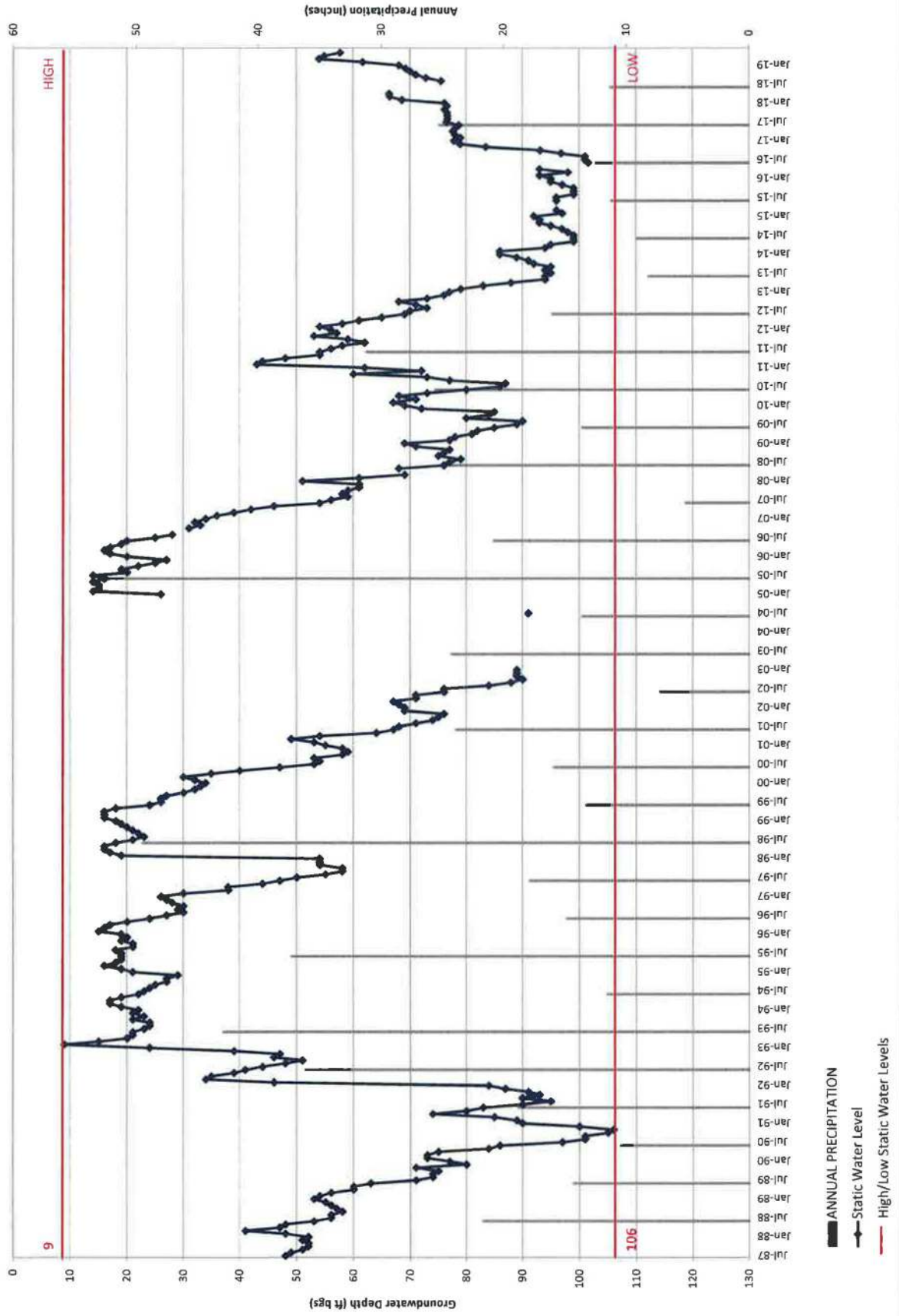
SCV WATER WELL MITCHELL #5A
 STATIC WATER LEVEL VS PRECIPITATION



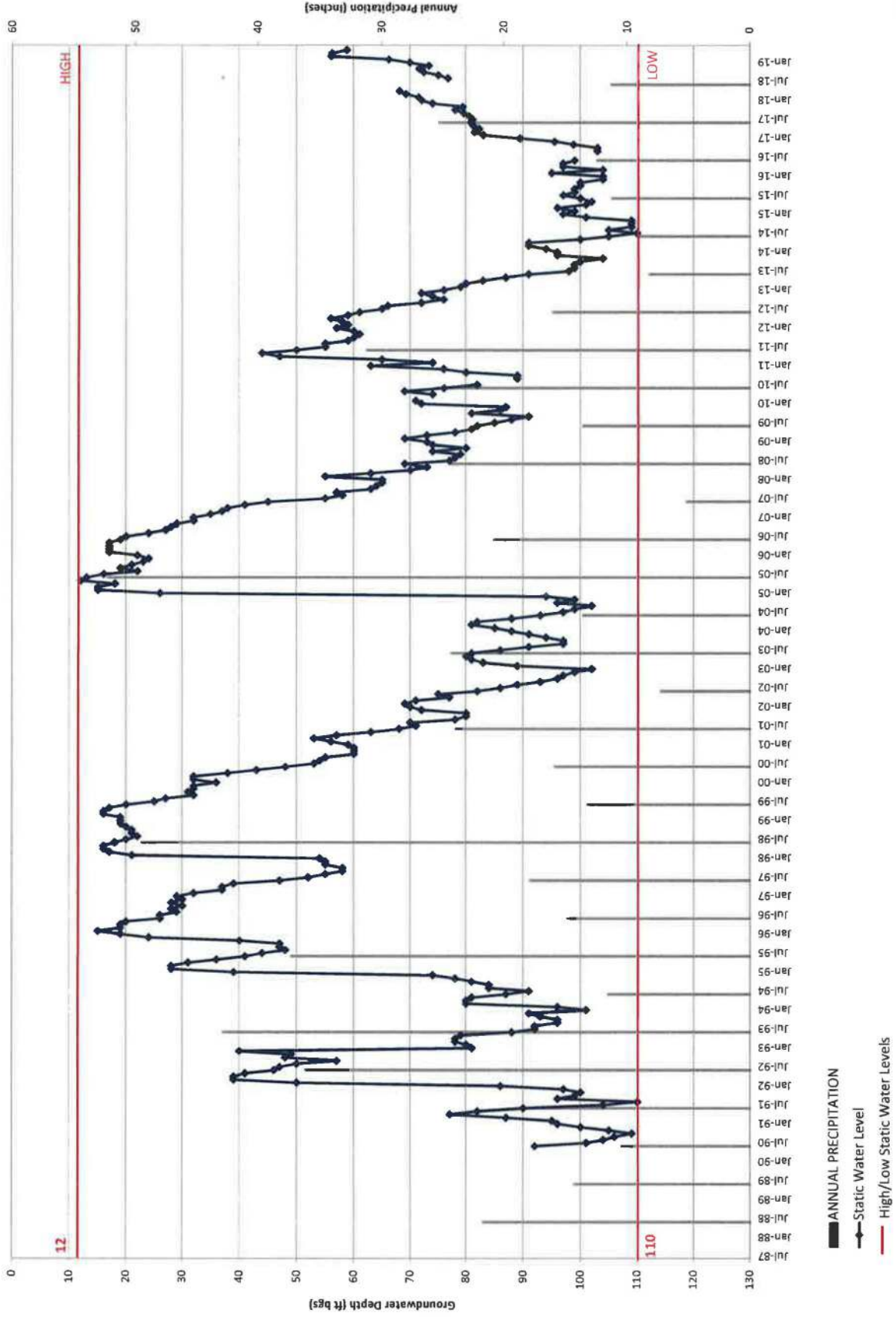
SCV WATER WELL MITCHELL #5B
 STATIC WATER LEVEL VS PRECIPITATION



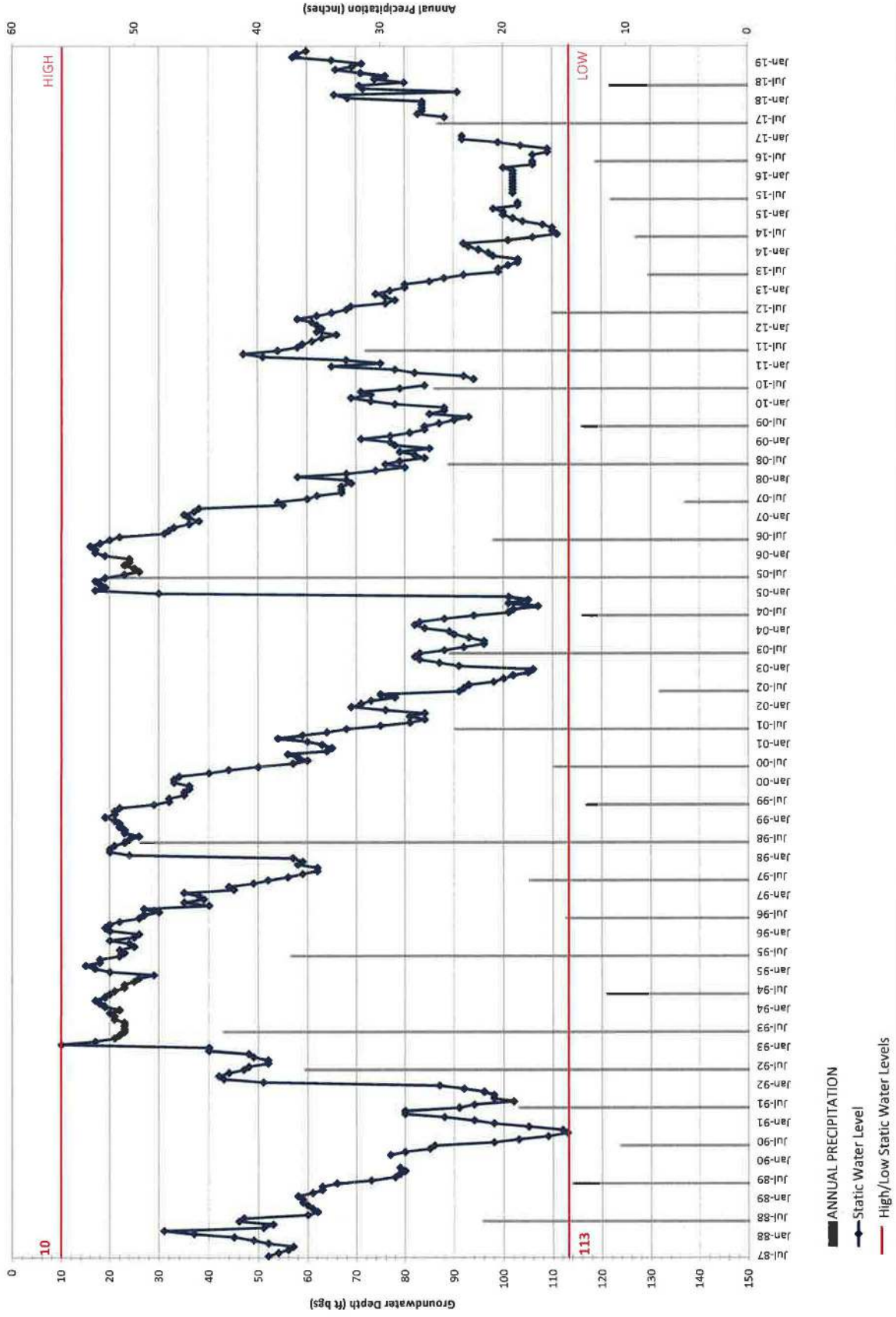
**SCV WATER WELL SAND CANYON #3
STATIC WATER LEVEL VS PRECIPITATION**



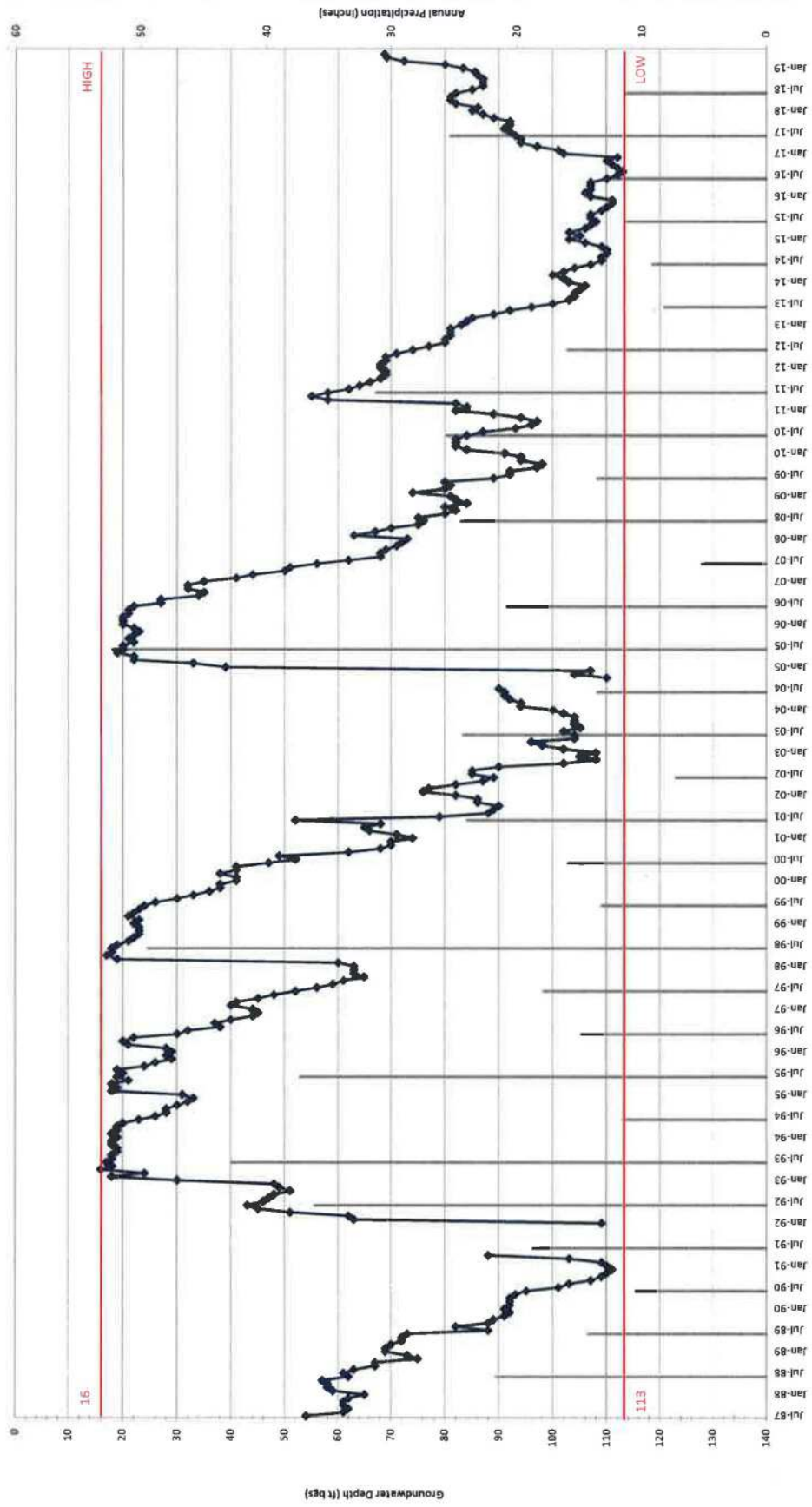
SCV WATER WELL LOST CANYON #2A
 STATIC WATER LEVEL VS PRECIPITATION



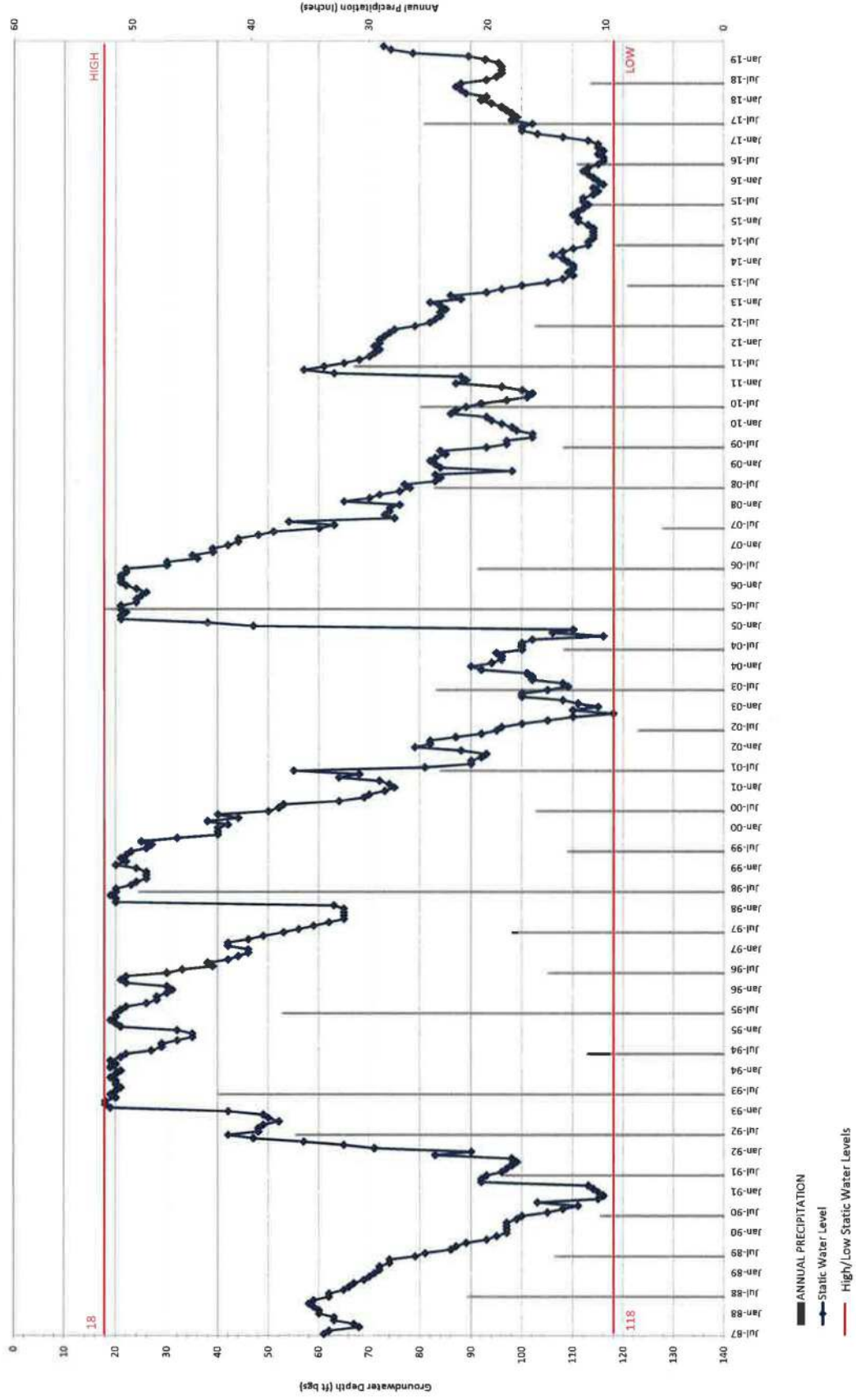
SCV WATER WELL LOST CANYON #2
 STATIC WATER LEVEL VS PRECIPITATION



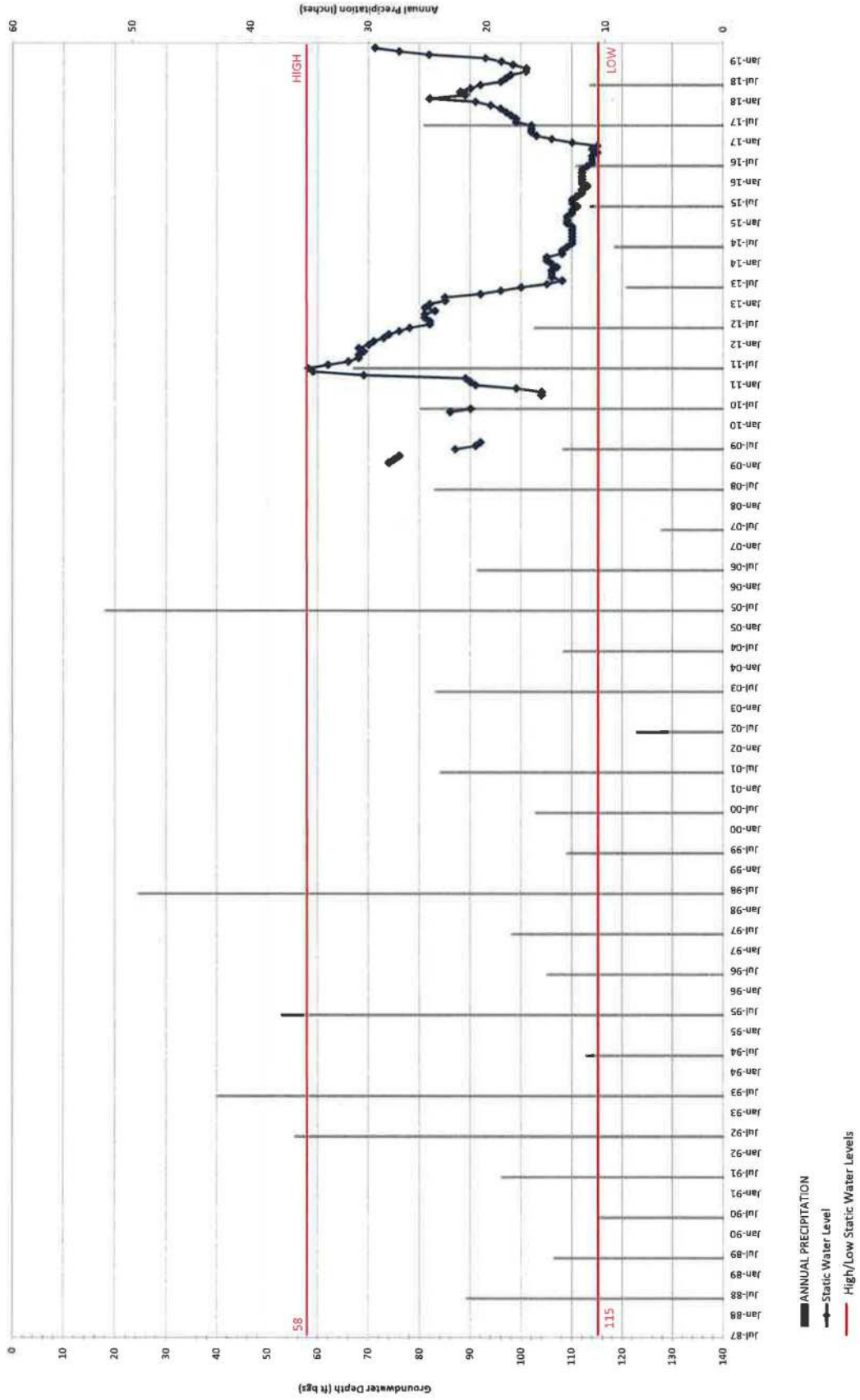
SCV WATER WELL P4
STATIC WATER LEVEL VS PRECIPITATION



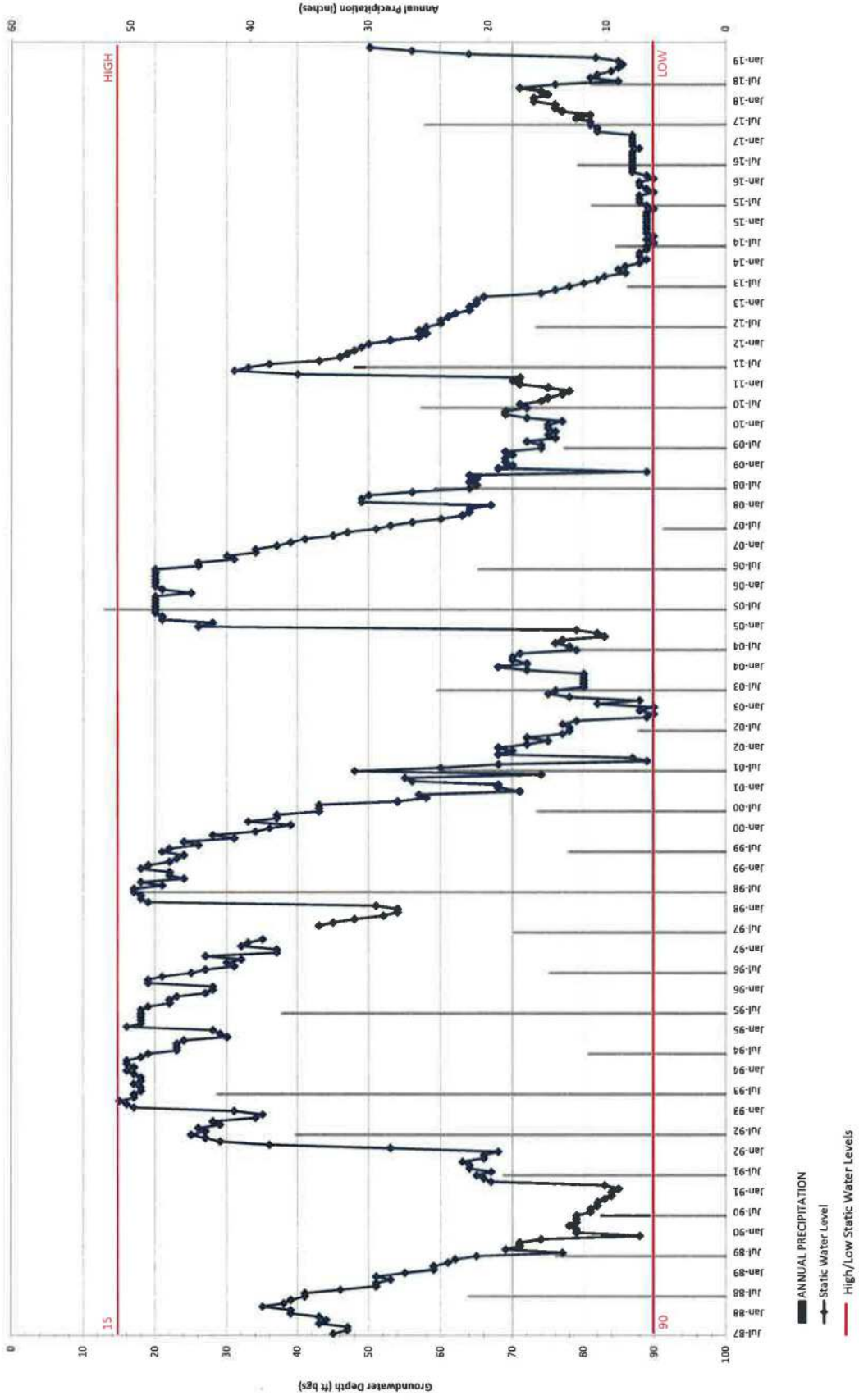
SCV WATER WELL P3
 STATIC WATER LEVEL VS. PRECIPITATION



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 July 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	August 30, 2019	96%	Connections to MWD and SCVWA lines are complete. Stairway will be completed in August 2019.
Well E-17 and Water Improvements	Staats Construction, Padilla Electric, and General Pump	\$571,734	\$0	0%	\$571,734	August 30, 2019	80%	Construction in progress.
Magic Mountain Pipeline Phase 4*	FivePoint / Toro Enterprises	\$3,084,725	\$0	0%	\$3,084,725	August 30, 2019	85%	Construction in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,978.85	\$0	0%	\$3,269,978.85	January 31, 2020	10%	Construction in progress.
Honby Tank No. 1 - Recoat Roof Interior/Exterior and Interior Spot Repair	Olympus and Associates	\$338,848	\$11,000	3.2%	\$349,848	July 31, 2019	30%	Construction in progress.
Placerita Tank No. 1 - Recoat Tank Interior	Advanced Industrial Services, Inc.	\$46,900	\$0	0%	\$46,900	August 12, 2019	100%	Construction completed.

*As of May 31, 2019, expenditures for Kennedy/Jenks Consultants' inspection services work authorization are \$220,334.36 (57%) of the Board authorized amount of \$386,200

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**Santa Clarita Valley Water Agency
Engineering Services Section
Third Party Funded Agreements Quarterly Report
As of July 15, 2019**

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Active Agreements:						
Aidlin Tract 52796 - Pump Station	Lennar Homes	Design	TBD	TBD	\$97,000	Design deposit request sent.
Aidlin Tract 52796 - Tanks	Lennar Homes	Design	TBD	TBD	\$156,000	Design deposit request sent.
Aidlin Tract 52796 – Pipeline	Lennar Homes	Design	SCWVA	N/A	\$65,000	Design 30% complete. In house review.
College of the Canyons Valencia Campus Parking Structure – Water Line Improvements	Santa Clarita Community College District	Design & Construction	R.C. Becker & Son	\$370,575	\$129,000	Construction complete. Coordinating with College of the Canyons on easement documents.
Commerce Center Drive Bridge Potable and Recycled Pipelines	FivePoint	Design	FivePoint	N/A	\$85,000	Construction and submittals are in progress.
Deminerzalization Facility – Fire Hydrant	FivePoint	Design	FivePoint	N/A	\$55,000	FivePoint is revising the design plans.
Friendly Station Mart	Fayad Takla	Design	SCWVA	N/A	\$6,600	Design 100% complete.
Mission Village DS542 Recycled Water Pipelines	FivePoint	Construction	FivePoint	N/A	\$57,000	Construction and submittals are in progress.
Mission Village DS542 Potable Water Pipelines	FivePoint	Construction	FivePoint	N/A	\$60,000	Construction and submittals are in progress.
Mission Village Potable Water System Phase 1	FivePoint	Design	FivePoint	N/A	\$36,000	FivePoint is revising the design plans.
Mission Village Recycled Water System Phase 1	FivePoint	Design	FivePoint	N/A	\$34,000	FivePoint is revising the design plans.
Mission Village Tract 61105-1A Potable and Recycled Water	FivePoint	Design	FivePoint	N/A	\$175,000	Design is in progress.
Mission Village Tract 61105-1C Potable and Recycled Water	FivePoint	Design	FivePoint	N/A	\$175,000	Design is in progress.
Magic Mountain Tank No. 2	FivePoint	Construction	FivePoint	N/A	\$125,000	Construction and submittals are in progress.
Mission Village – Well 206/207 Pipeline	FivePoint	Design	FivePoint	N/A	\$28,000	FivePoint is preparing the design plans.
Mitchell Well 5A Replacement – Site E	JSB Development	Design	Richard C. Slade & Associates LLC	TBD	\$58,000	Design deposit received for pilot well specifications.
Parcel Map 26363 Parcels 3 & 4 at 27736 – 27788 Hancock Parkway	Intertex	Construction	Blois Construction	\$35,000	\$3,500	Construction 95% complete.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Parcel Map 62646 Water Pipeline Facilities on Railroad Avenue / Oakridge Drive	Saugus Holdings, LLC, and TMC Hollis	Planning & Design	SCWD	\$412,000	\$41,000	Third Party Agreement executed.
Plum Canyon Tract 46018-11 Pump Station (Civil/Mechanical)	Toll Brothers	Construction	Staats Construction	\$648,597	\$61,000	Construction is 90% complete.
Plum Canyon Tract 46018-11 Pump Station (Electrical)	Toll Brothers	Construction	TBD	\$570,000 (estimated)	\$57,000	Cannon is reviewing submittals.
Excel Buena Park II, L.P. (Residence Inn and Springhill Suites)	Excel Group LLC	Construction	T. Morrissey Corporation	\$86,848	\$13,027	Third Party agreement executed and deposit has been received.
Sheriff Station – 16" Water Main Extension in Golden Valley Road	City of Santa Clarita	Construction	Mesa Engineering	\$1,347,745	137,700	Construction 80% complete.
Skyline Pump Station No. 2	Pardee Homes	Design	Cannon	TBD	\$150,000	Design deposit received.
Skyline Ranch Tract 60922-01 Backbone Pipelines	Pardee Homes	Construction	Mesa Engineering, Inc.	\$1,417,928	\$142,000	Construction 95% complete.
Skyline Ranch Tract 60922-01 Paseo	Pardee Homes	Construction	Mesa Engineering	\$68,159	Included in PA-01 above	Construction 95% complete.
Skyline Ranch Tract 60922-01 Planning Areas A & B & PA-01	Pardee Homes	Construction	Mesa Engineering, Inc	\$675,824	\$67,600	Construction 95% complete.
Skyline Ranch Tract 60922-01 Planning Areas E1 & F	Pardee Homes	Construction	Mesa Engineering, Inc	\$707,700	\$70,700	Construction 95% complete.
Skyline Ranch Tract 60922-01 Planning Areas C & D Pipelines	Pardee Homes	Construction	Staats Construction	\$533,300	\$53,330	Construction 95% complete.
Skyline Ranch Tract 60922-01 Stratus Street	Pardee Homes	Construction	Mesa Engineering	\$817,031	\$81,703	Design completed. Awaiting DDW approval. Third Party Agreement executed. Pre-conference held.
Skyline Ranch Tract 60922-01 Stratus Street Gap Section	Pardee Homes	Construction	Mesa Engineering	\$93,141.62	\$9,314.17	Design complete.
Skyline Ranch Tract 60922-05 Planning Area N	Pardee Homes	Construction	Mesa Engineering	\$150,876.39	\$15,087.64	Design complete.
Skyline Ranch Tract 60922-04 Planning Area E-2	Pardee Homes	Design	SCWD	TBD	\$30,000	Design 90% complete.
Skyline Ranch Tract 60922-05 Planning Area 02	Pardee Homes	Design	SCWD	TBD	\$30,000	Design in progress.
Skyline Ranch Tract 60922-01 Tanks	Pardee Homes	Design/Construction	TBD/Civiltec	\$3,000,000 (estimated)	TBD	Design 60% complete.
Tesoro del Valle	BLC Tesoro LLC	Design	Fusco Engineering, Inc	N/A	\$50,000	Plan Check 30% complete.
Tract AVT 52455-16	Ashdon Development	Design	Intertex General Contractors, Inc.	\$85,043	\$17,000	Design 90% complete.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Deposit Amount	Status
Valencia Town Center Square – Phase 2	VTC Square Investors, LLC	Design/Construction	Staats Construction	\$80,000	\$22,010	Construction 90% complete.
Valencia Town Center Square – Phase 2	VTC Square Investors, LLC	Design/Construction	Staats Construction	\$80,000	\$22,010	Construction 90% complete.
Vista Canyon Tract 69164 – KB Homes	KB Homes	Design	Civiltec Engineering	N/A	\$4,000	Plan Check in progress.
Vista Canyon Tract 69164 Phase 1A Potable and Recycled Pipelines	Vista Canyon LLC	Construction	Mesa Engineering, Inc	\$673,532	\$67,400	Construction 95% complete.
Vista Canyon Tract 69164 Phase 2 – Portion 2, Potable and Recycled Pipelines	Vista Canyon LLC	Construction	Mesa Engineering, Inc	\$674,000	\$67,400	Construction 65% complete.
Vista Canyon Tract 69164 Phase 2 - Potable Pipelines – Portion 1	Vista Canyon LLC	Construction	Mesa Engineering, Inc.	\$241,112	\$24,100	Construction 80% complete.
Westside Communities Potable Water Infrastructure Plan	FivePoint	Planning	FivePoint	N/A	\$69,000	FivePoint is revising the Infrastructure Plan.
25333 Railroad Avenue (Storage Facility) – Fire Service	Norris Construction	Construction	Mesa Engineering, Inc.	\$21,000	\$2,100	Done with Fire Service construction, awaiting Backflow to be installed.
27918 Franklin Parkway - Water Meters	Logix	Construction	Gall Brothers	\$30,000	\$3,000	Third Party Agreement pending.
76 Gas Station at 25048 Valencia Blvd.	Sahika Corporation	Construction	Karaki WS	\$58,000	\$5,800	Construction 10% complete.

Project	Third Party Funding Source	Planning, Design, Construction	Contractor/Consultant	Construction Amount	SCV Water Amount	Status
Closed Agreements:						
Concord Development Tract 53425-01	Lennar	Design	Turf Construction	\$100,000	\$10,000	Construction complete. Waiting As Built from Turf. Coordinating with developer on easement documents.
Mission Village – Pipe Connection at Sky View Lane / The Old Road	FivePoint	Construction	FivePoint	N/A	\$55,000	Construction 100% complete.
Mission Village – Temporary bypass pipeline (Magic Mountain Parkway)	FivePoint	Construction	FivePoint	N/A	\$41,000	Construction completed January 2019.
Skyline Ranch Plaza Tract 46018-11A	InterTex	Construction	Groundbreakers Construction	\$288,314	\$28,832	Construction 100% complete.

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ITEM NO.
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	Item	PowerPoint Presentation (Y/N/Length)	Jul 11 Comm	Aug 1 Comm	Aug 6 Board	Sep 3 Board	Sep 5 Comm	Oct 1 Board	Oct 3 Comm	Nov 5 Board	Nov 7 Comm	Dec 3 Board	Dec 5 Comm	Jan 2 Comm	Jan 7 Board	Feb 4 Board	Feb 6 Comm	Mar 3 Board	Mar 5 Comm	Apr 2 Comm	Apr 7 Board	May 5 Board	May 7 Comm	Jun 2 Board	Jun 4 Comm	Jul 7 Board
1	Monthly Committee Planning Calendar	None	C	P																						
2	CIP Construction Status Report	None	C	P																						
3	Monthly Operations and Production Report	None	C	P																						
4	Third Party Funded Agreements Quarterly Report	None		P																						
5	Quarterly Safety Program Presentation	Yes 15 min		P																						
6	Annual Safety Program Update (FY 18-19)	Yes 15 min				P																				
7	Recommend Approval of New Golden Triangle Modular Lease	None	C		P																					
8	Recommend Approval of Purchase for a Backhoe Replacement - Unit 15	None				P																				
9	Recommend Approval of Resolution Awarding Construction Contract to TBD for West Ranch Recycled Water Main Extension (Phase 2D) Project	TBD							P	P																
10	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Commerce Center Drive Pipeline	TBD							P	P																
11	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 6A	TBD							P	P																
12	Recommend Approval of a Work Authorization for Final Design of the Replacement Wells On-Site Pipeline/Infrastructure	TBD							P	P																
13	Recommend Approval of Resolution Awarding Construction Contract for Recycled Water Vista Canyon (Phase 2B) Pipelines	TBD									P	P														
14	Recommend Approval of Resolution Awarding Construction Contract for ESFP Washwater Return and Sludge Systems Project	TBD									P	P														
15	Recommend Approval of Resolution Awarding Contract to TBD for Newhall Tank 2 Recoat and Repairs	None									P	P														
16	Recommend Approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Tank	TBD											P	P												
17	Recommend Approval of Resolution Awarding Contract to TBD for SC12 Facility Construction	None																								

	Item	PowerPoint Presentation (Y/N/Length)	Jul 11 Comm	Aug 1 Comm	Aug 6 Board	Sep 3 Board	Sep 5 Comm	Oct 1 Board	Oct 3 Comm	Nov 5 Board	Nov 7 Comm	Dec 3 Board	Dec 5 Comm	Jan 2 Comm	Jan 7 Board	Feb 4 Board	Feb 6 Comm	Mar 3 Board	Mar 5 Comm	Apr 2 Comm	Apr 7 Board	May 5 Board	May 7 Comm	Jun 2 Board	Jun 4 Comm	Jul 7 Board	
18	Recommend Approval of Resolution Authorizing SCV Water to Execute Consolidation and Water Service Agreement with State Water Resources Control Board and Los Angeles Residential Community	TBD											P		P												
19	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to the Los Angeles Residential Community	TBD												P		P											
20	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Construction	TBD												P		P											
21	Recommend Approval of a Work Authorization for Final Design of the Magic Mountain Reservoir	TBD												P		P											
22	Recommend Approval of Resolution Awarding Construction Contract for Rainbow Glen Drive Pipeline	TBD															P	P									
23	Review FY 2020/21 Major Capital Projects	TBD																	P								
24	Recommend Approval of a Work Authorization for Final Design of the Groundwater Treatment Improvements	TBD																		P							
25	Recommend Approval of Construction of a New Deane Zone Pump Station and Cost Sharing Agreement with Developer	TBD																			P						
26	Recommend Approval of Construction of Two New 2.5 MG Deane Tank and Cost Sharing Agreement with Developer	TBD																				P					
27	Recommend Approval of Work Authorization for Groundwater Modeling Services for Perchlorate Containment Evaluation																										P P