

Welcome Fall...

-Ojai Basin Conditions

OBGMA

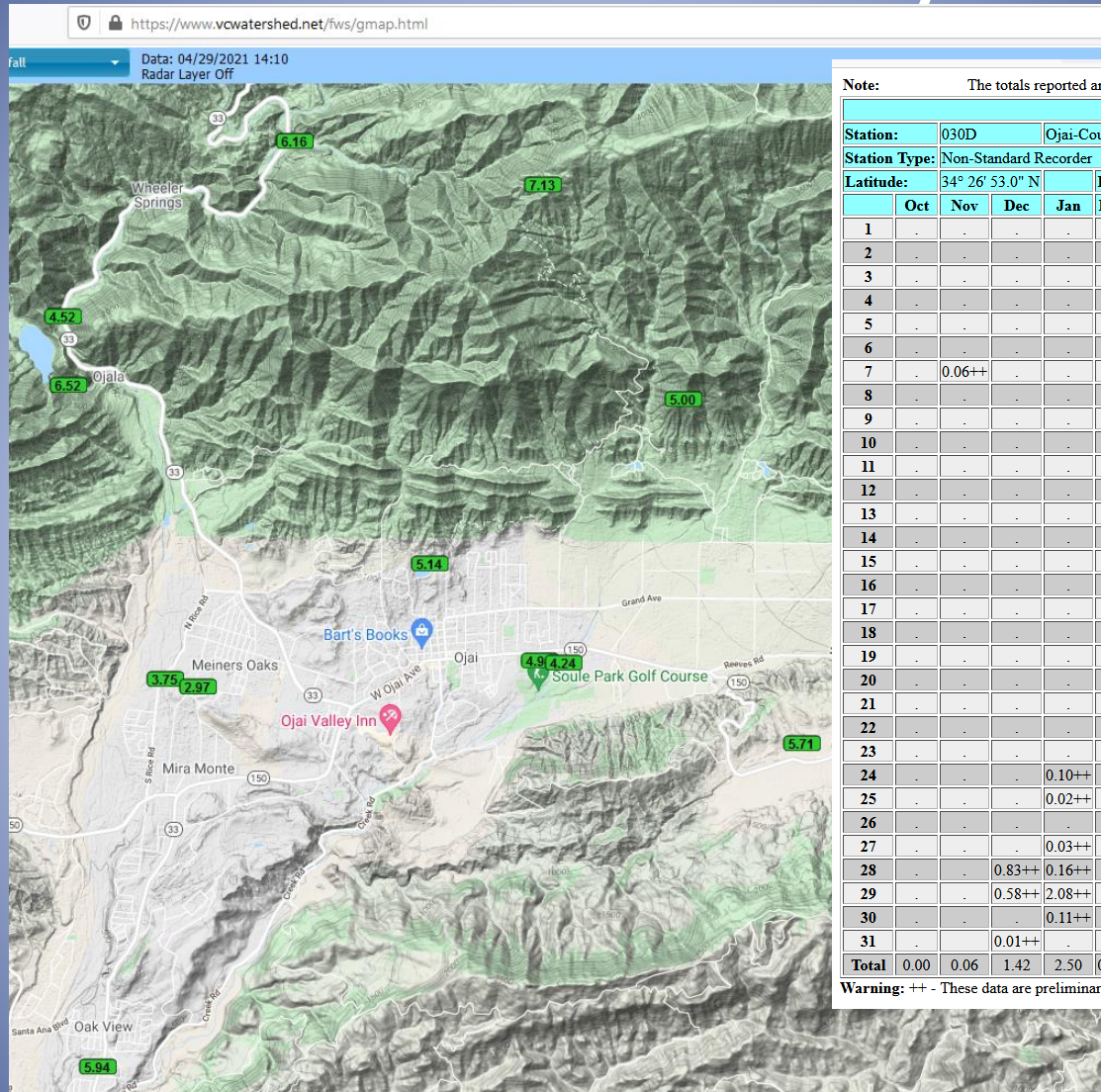
Ojai, California

Jordan Kear, PG, CHG

30 September 2021



2020-2021 Water year



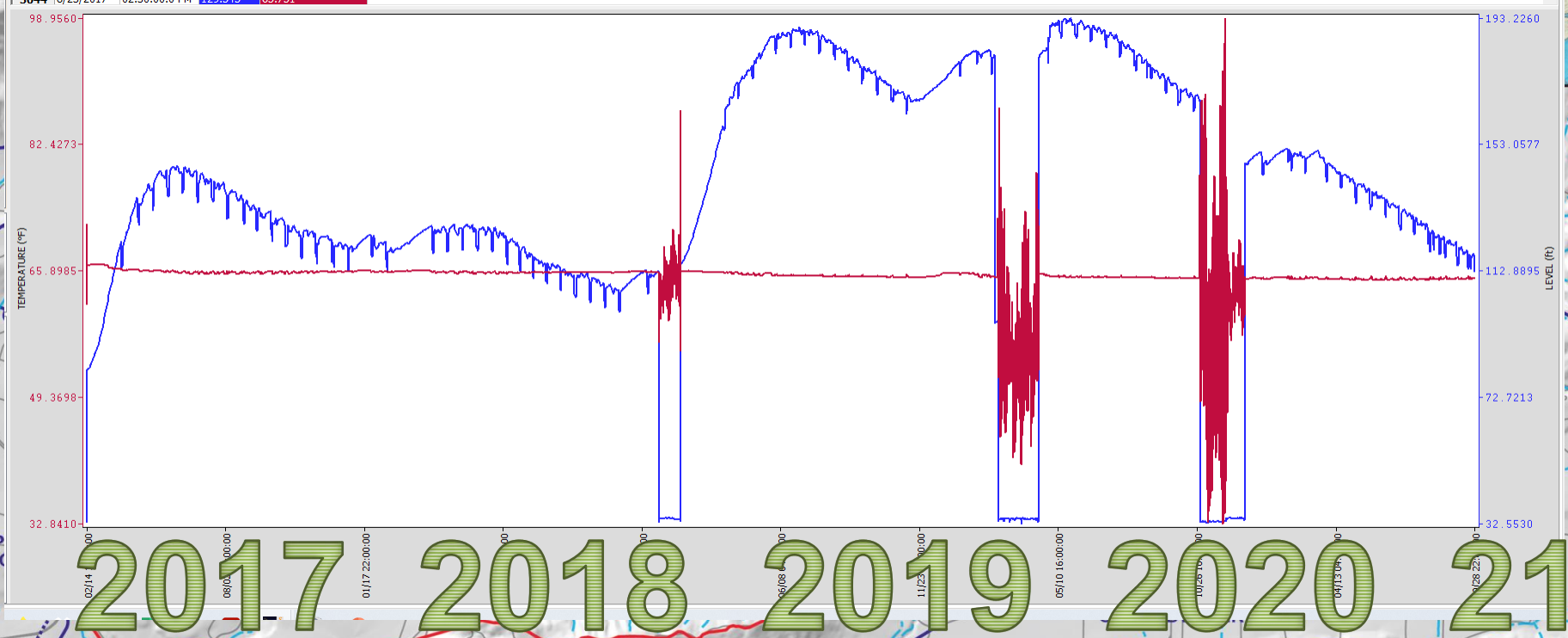
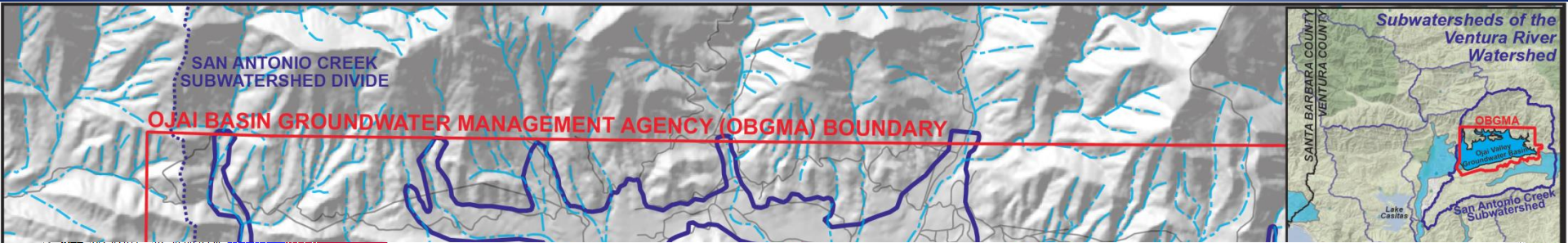
Note: The totals reported are for 24 hours ending at 08:00 of day reported.

Daily Rainfall Data												
Station:	030D Ojai-County Fire Station											
Station Type:	Non-Standard Recorder											
Latitude:	34° 26' 53.0" N			Longitude:	119° 13' 52.7" W			Elevation (ft):	760			
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	M
2	M
3	M
4	M
5	M
6	M
7	.	0.06++	.	.	.	.	.	.	.	.	.	M
8	M
9	M
10	0.46++	.	.	.	.	.	M
11	0.26++	.	.	.	.	.	M
12	0.03++	.	.	.	.	.	M
13	0.02++	.	.	.	.	.	M
14	M
15	0.19++	.	.	.	.	.	M
16	0.01++	.	.	.	M
17	M
18	M
19	M
20	M
21	M
22	M
23	M
24	M
25	0.10++	.	.	.	.	.	M
26	0.02++	.	.	.	.	.	M
27	0.03++	.	.	.	.	.	M
28	0.83++	0.16++	.	.	.	.	M
29	0.58++	2.08++	.	.	.	.	M
30	0.11++	.	.	.	.	.	M
31	0.01++	.	.	.	.	.	M
Total	0.00	0.06	1.42	2.50	0.00	0.96	0.00	0.01	0.00	0.00	0.00	4.95

Warning: ++ - These data are preliminary and are subject to revision.

With no more rain this year, valley floor totals would be lowest since the 4.35" of 1947

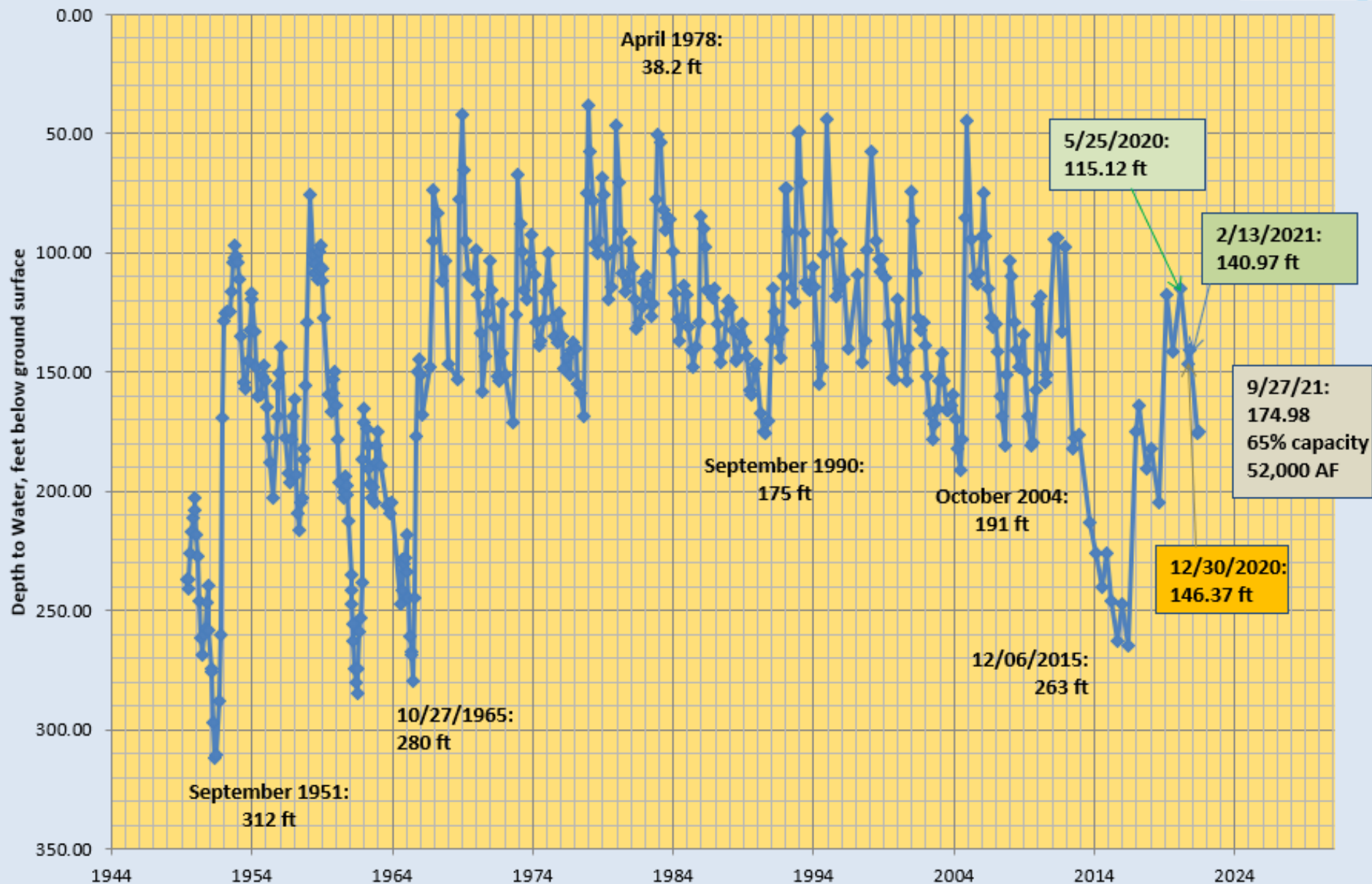
23.2% of the "normal" 21.95 inches of rain



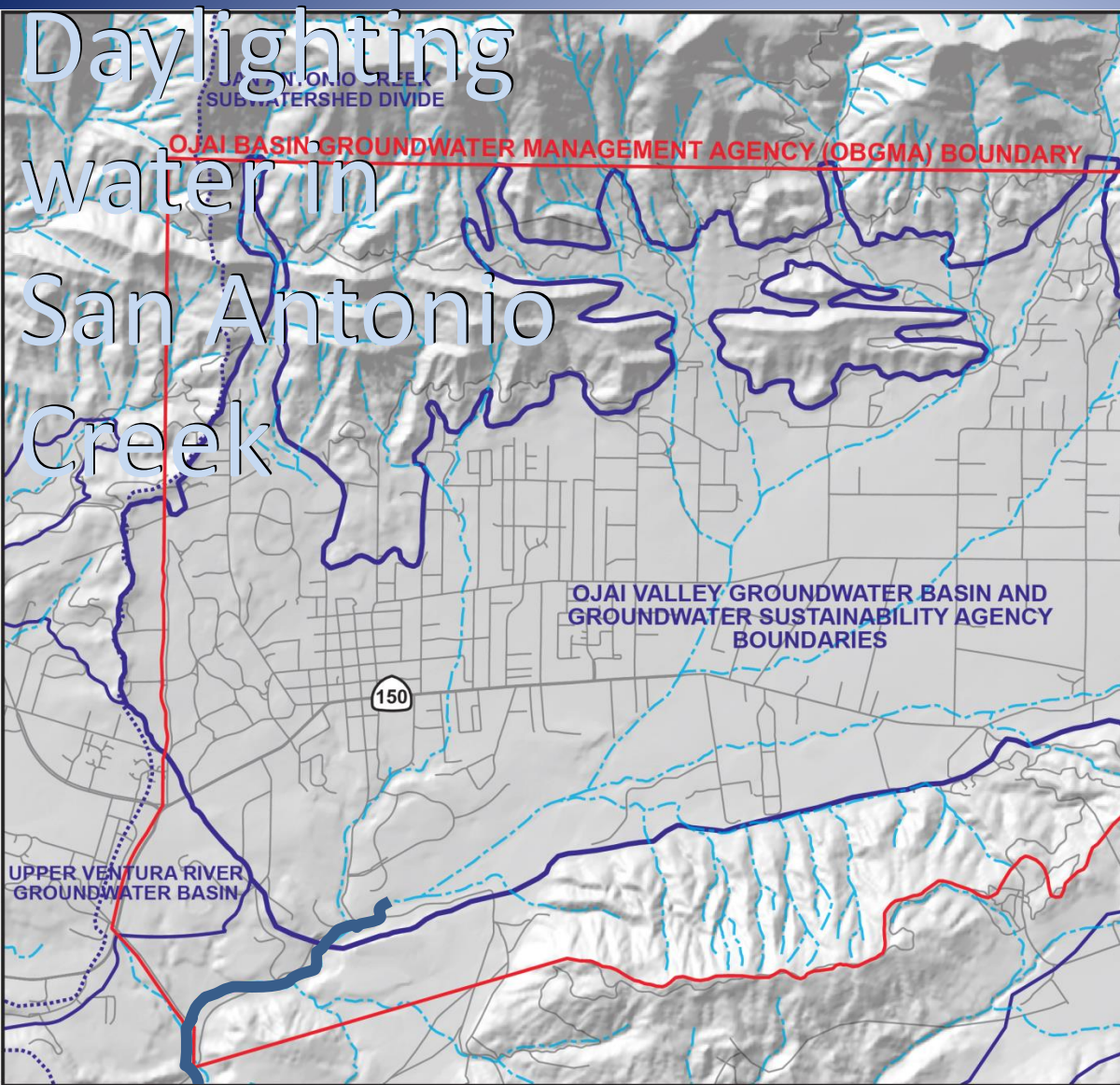
References: Ventura County
USGS National Elevation Dataset/
National Hydrography Dataset



Depth to Water: Ojai Basin Key Well Area 04N/22W-5L8 (Carne and Grand)



First



References: Ventura County
USGS National Elevation Dataset/
National Hydrography Dataset



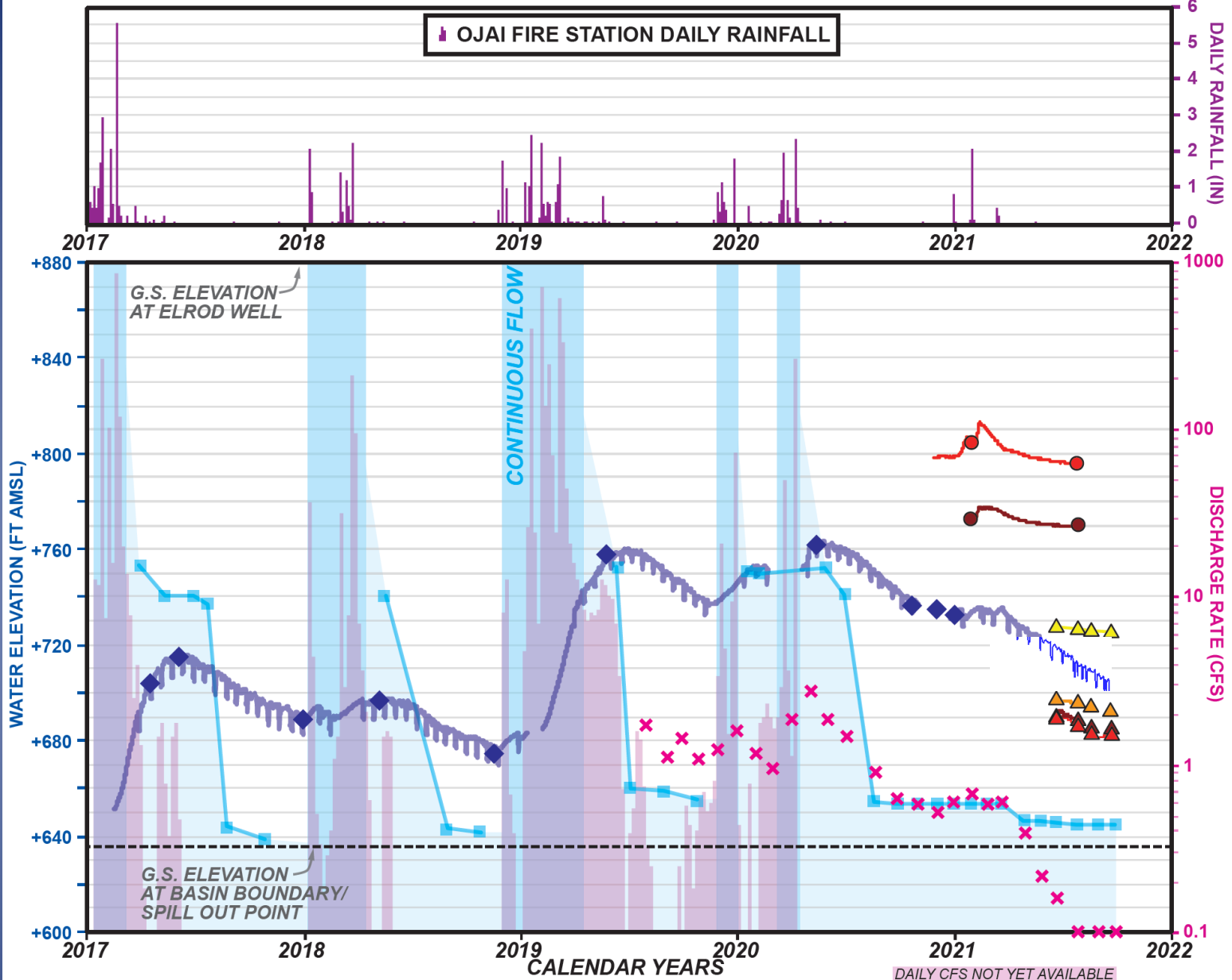




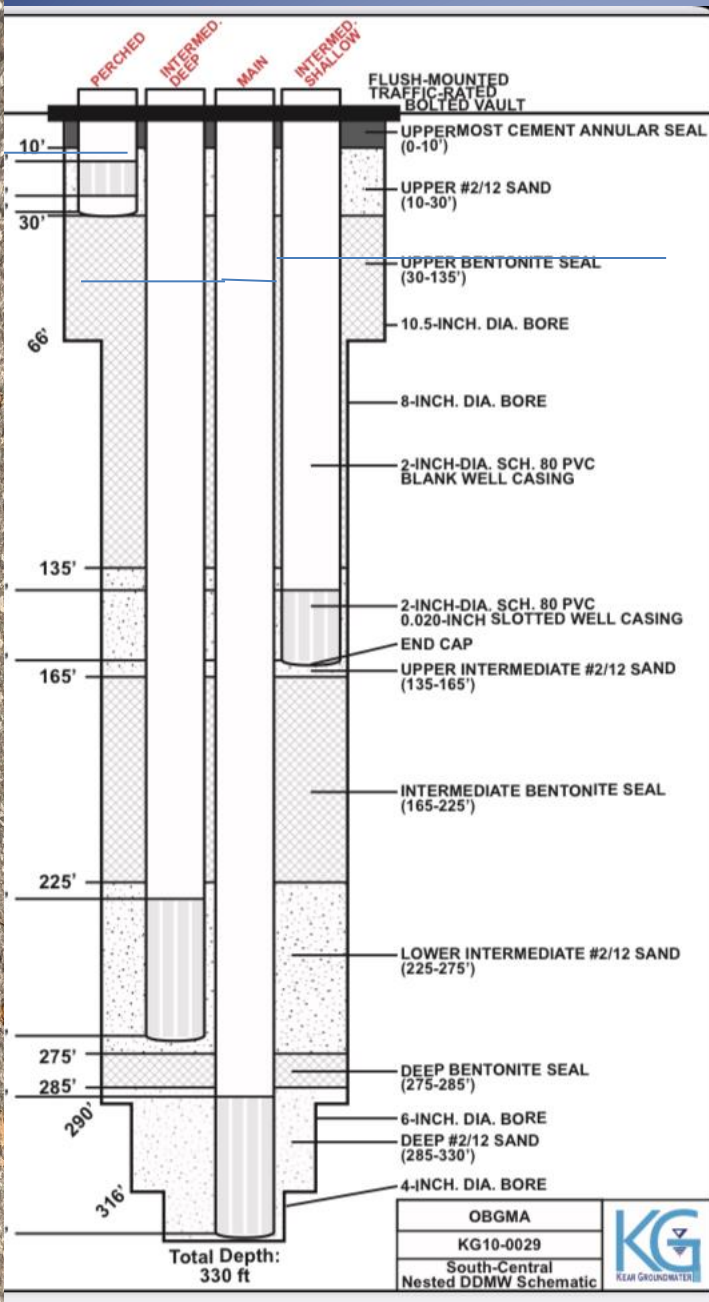
Monthly

- Surface outflow
- 0.07 cfs to 2.8 cfs
- 5 to 45 AF/mo
- WY 2020-21:
280 AF td

FLOW TRANSECT SURVEYS AT OJAI BASIN OUTFLOW		
<i>Date</i>	San Antonio Creek Flow Measurement (cfs)	Montgomery Creek Flow Measurement (cfs)
<i>29-Jul-2019</i>	1.77	-
<i>5-Sep-2019</i>	1.14	-
<i>26-Sep-2019</i>	1.45	-
<i>26-Oct-2019</i>	1.09	-
<i>26-Nov-2019</i>	1.27	-
<i>31-Dec-2019</i>	1.63	-
<i>29-Jan-2020</i>	1.20	-
<i>26-Feb-2020</i>	0.96	-
<i>31-Mar-2020</i>	1.91	0.37
<i>30-Apr-2020</i>	2.80	0.54
<i>28-May-2020</i>	1.89	0.21
<i>30-Jun-2020</i>	1.51	0.08
<i>18-Aug-2020</i>	0.93	<0.01
<i>24-Sep-2020</i>	0.64	0.00
<i>29-Oct-2020</i>	0.59	0.00
<i>30-Nov-2020</i>	0.52	0.00
<i>30-Dec-2020</i>	0.60	0.05
<i>28-Jan-2021</i>	0.67	0.07
<i>23-Feb-2021</i>	0.59	0.05
<i>22-Mar-2021</i>	0.60	0.08
<i>27-Apr-2021</i>	0.40	<0.01
<i>25-May-2021</i>	0.22	0.00
<i>22-Jun-2021</i>	0.16	0.00
<i>27-Jul-2021</i>	0.10	0.00
<i>31-Aug-2021</i>	0.08	0.00
<i>28-Sep-2021</i>	0.07	0.00



- ELROD WELL LEVEL (LOGGER) ◆ ELROD WELL LEVEL (SOUNDER)
- POINT OF DAYLIGHTING LOWER SAN ANTONIO CREEK FLOW
- × S.A. CREEK INSTANT. DISCHARGE (CFS) AT OJAI BASIN OUTFLOW
- S.A. CREEK AVG. DAILY DISCHARGE GAUGE (CFS) NEAR VENTURA RIVER
- SOUTH-CENTRAL DDMW (SOUNDER & LOGGER)**
- ▲ PERCHED (14-24' perf.)
- ▲ INT. SHAL. (140-160' perf.)
- ▲ INT. DEEP (230-270' perf.)
- ▲ MAIN (288-328' perf.)
- SACSGRP DDMW**
- 190-210' perf. ● 255-295' perf.



Perched Aquifer 13.18 ft to water in June
 14.09 ft July 27
 14.72 ft Aug 24

Intermediate Shallow Aquifer:
 43.53 ft to water in June
 45.36 ft July 27
 46.75 ft Aug 24

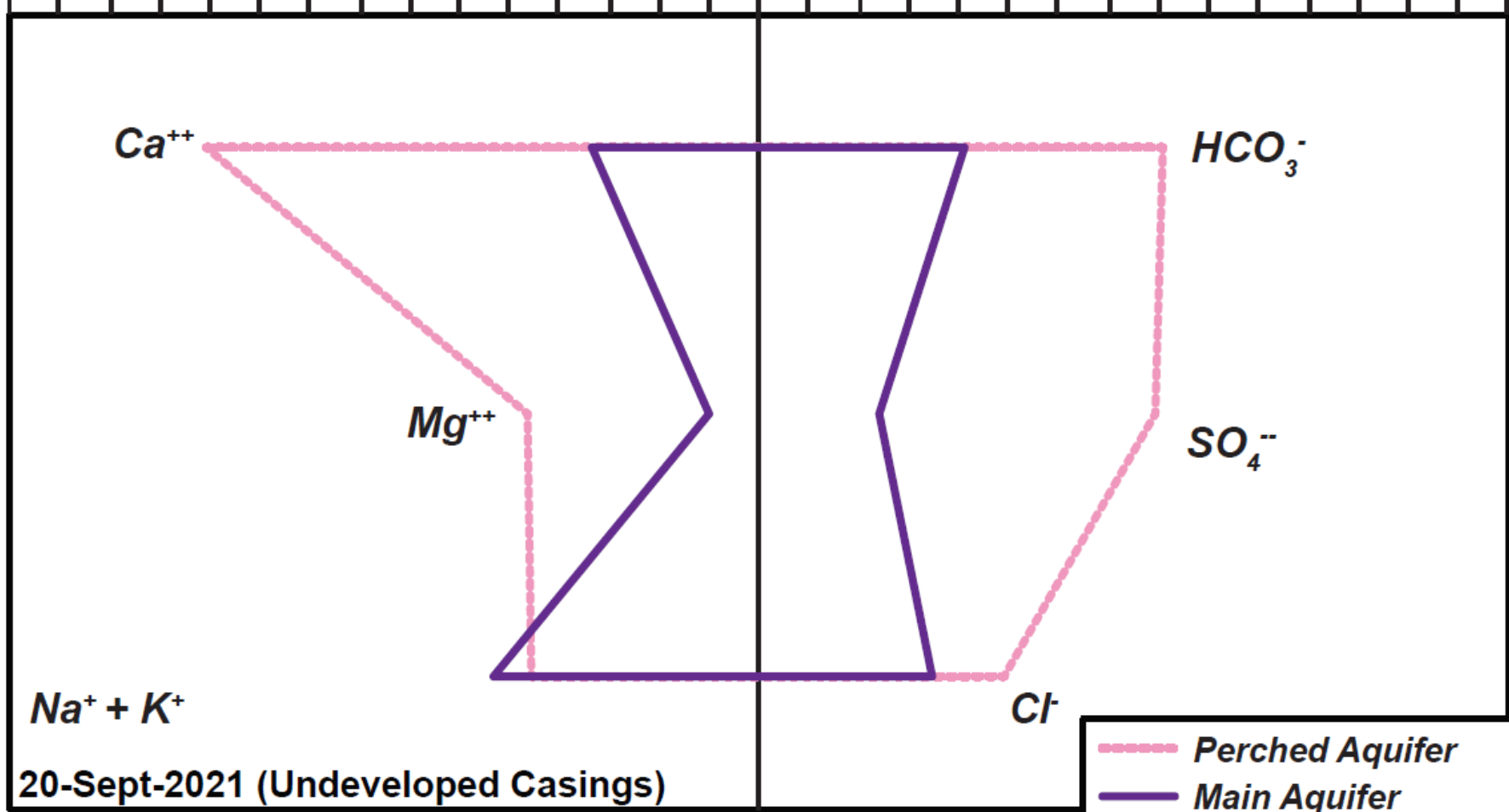
Intermediate Deep Aquifer:
 52.05 ft to water in June
 54.98 ft July 27
 58.72 ft

Main Production Aquifer:
 51.06 ft to water in June
 52.27 ft July 27
 55.80 ft Aug 24

OBGMA South-Central DDMW meq/L

CHART 2

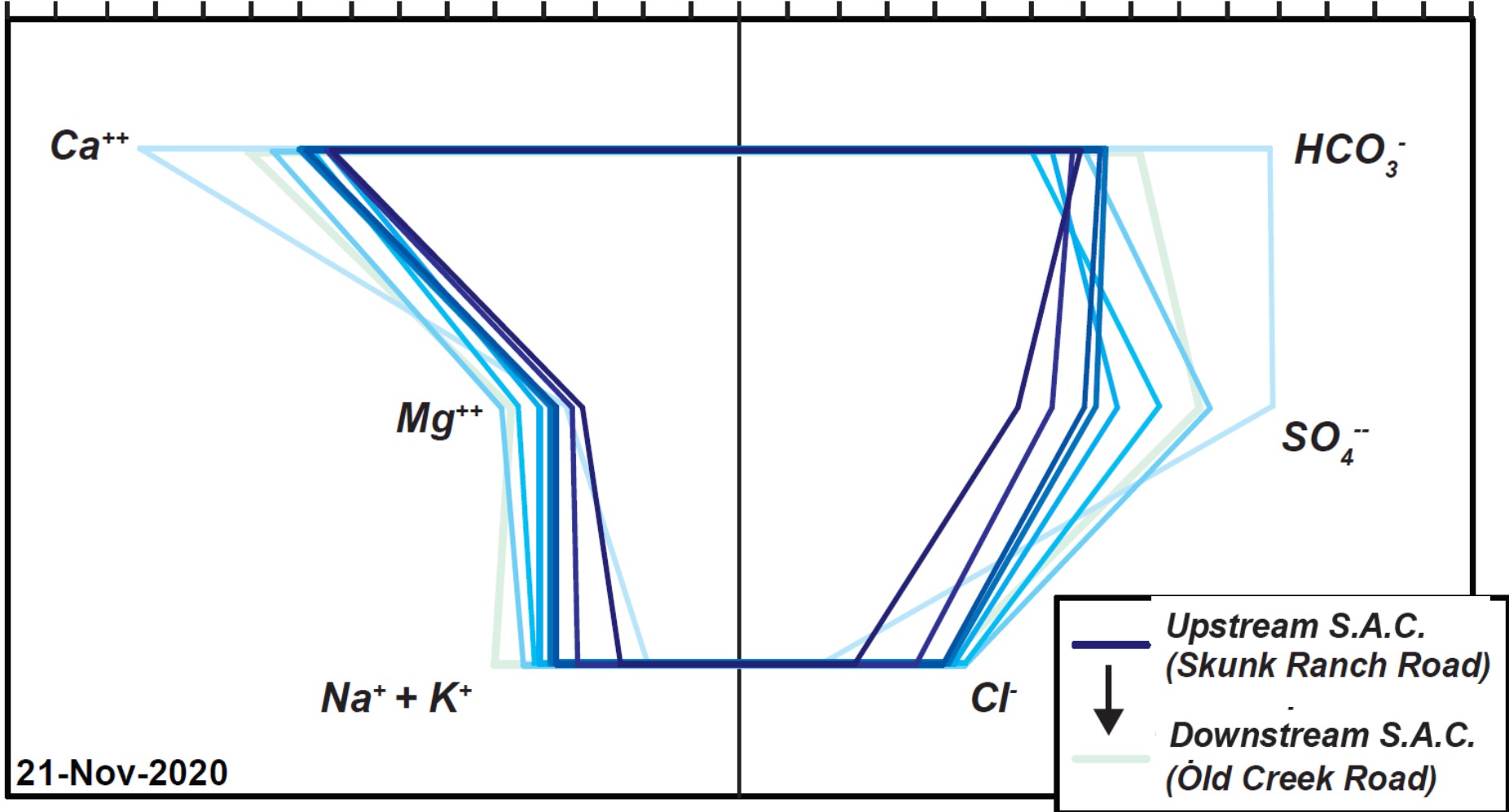
+15 +13 +11 +9 +7 +5 +3 +1 0 -1 -3 -5 -7 -9 -11 -13 -15



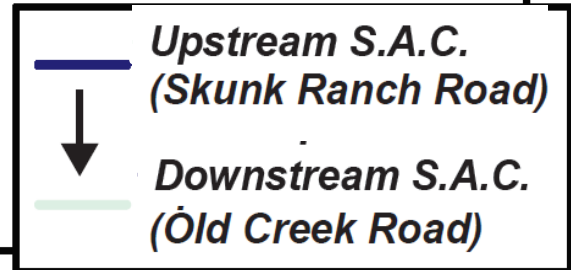
San Antonio Creek meq/L

CHART 2

+15 +13 +11 +9 +7 +5 +3 +1 0 -1 -3 -5 -7 -9 -11 -13 -15



21-Nov-2020

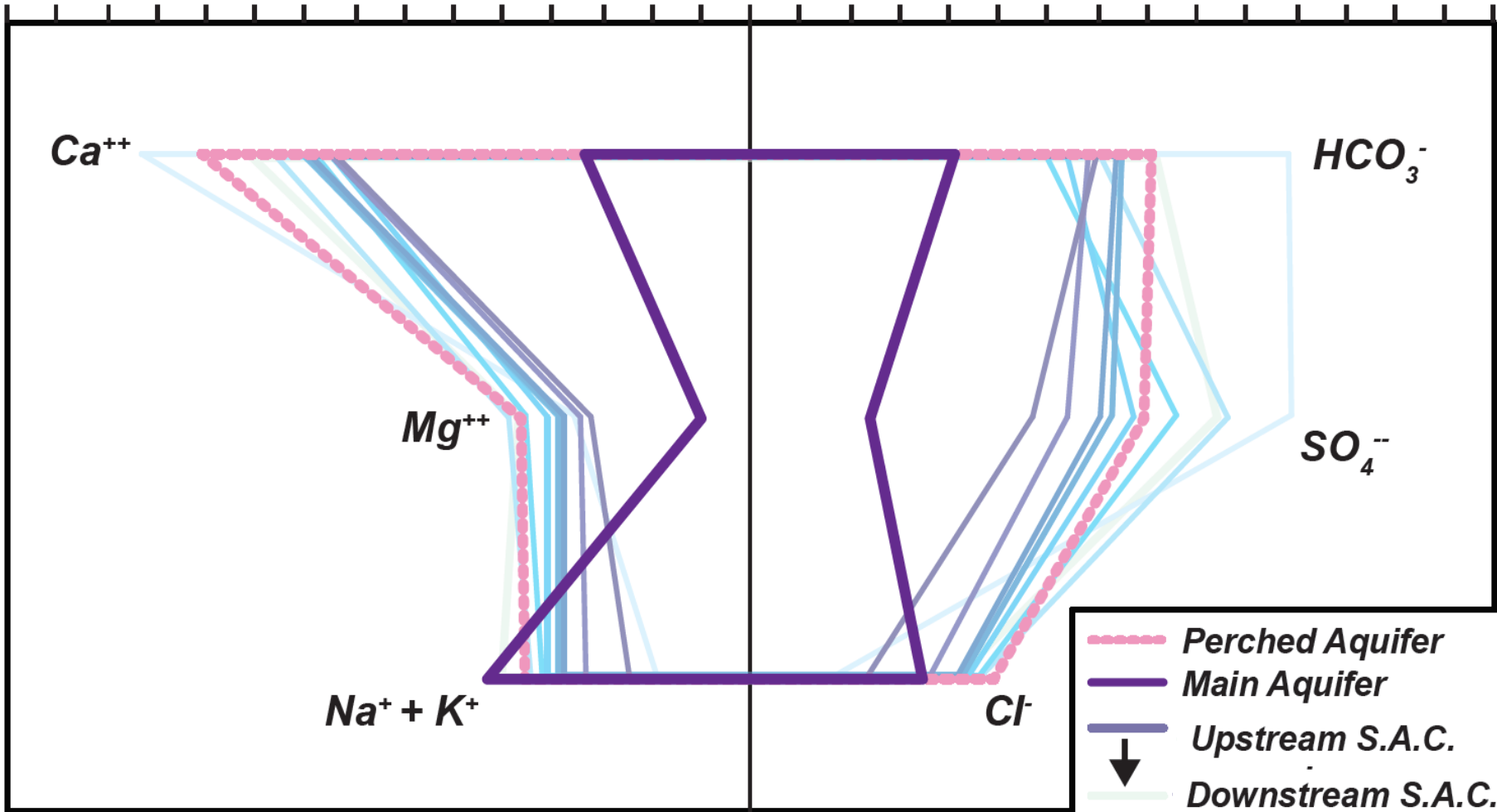


Perched/Main Aquifers vs. San Antonio Creek

meq/L

CHART 3

+15 +13 +11 +9 +7 +5 +3 +1 0 -1 -3 -5 -7 -9 -11 -13 -15



- ⋯ Perched Aquifer
- Main Aquifer
- Upstream S.A.C.
- Downstream S.A.C.