

**MONTEREY COUNTY WATER RESOURCES AGENCY  
BOARD OF DIRECTORS – INFORMATION ITEM**

<b>MEETING DATE:</b>	January 30, 2017	<b>AGENDA ITEM:</b>
<b>Consent ( )                      Action ( )                      Information ( X )</b>		
<b>DEADLINE FOR BOARD ACTION:</b>	January 30, 2017	

**..Title**

Well Permit Application Activities Update

**..Report**

RECOMMENDATION:

None – item presented for informational purposes.

SUMMARY/DISCUSSION:

The Well Permit Application Process is regulated by the Environmental Health Bureau (EHB). The Agency provides technical support to the EHB as part of the process. The changes that came about since the adoption of the 2010 County General Plan have caused concerns and misinformation in the public. To provide correct and up to date information to the public, Agency Staff has developed the attached Well Impact Evaluation Summary Table (Table).

The Table provides a summation of well permit applications that are being evaluated by Agency Staff, broken out by domestic well permit applications and high capacity well permit applications, as well as by Salinas Valley subarea. This table is provided to the BOD on a monthly basis.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

Prepared by: Amy Woodrow, Hydrologist, (831) 755-4860  
Howard Franklin, Senior Hydrologist, (831) 755-4860

## Summary of Well Impact Evaluations Conducted per 2010 Monterey County General Plan

### Domestic Wells

<i>Evaluation Outcome</i>	Pressure	East Side	Forebay	Upper Valley	Outside Zone 2C	TOTAL
Coastal Zone or City (General Plan n/a).	0	1	0	0	6	7
No potential impact.	3	11	9	5	134	162
Potential impact; acceptable mitigation proposed.	0	0	0	0	2	2
Repair (exempt).	0	1	0	0	1	2
Replacement (exempt).	0	5	2	2	8	17
<b>TOTAL</b>	<b>3</b>	<b>18</b>	<b>11</b>	<b>7</b>	<b>151</b>	<b>190</b>
<i>Subarea Total as Percentage</i>	2%	9%	6%	4%	79%	

### High Capacity Wells

<i>Evaluation Outcome</i>	Pressure	East Side	Forebay	Upper Valley	Outside Zone 2C	TOTAL
Coastal Zone or City (General Plan n/a).	1	0	0	0	1	2
No potential impact.	13	26	19	16	13	87
Potential impact; acceptable mitigation proposed.	1	1	0	3	0	5
Repair (exempt).	0	0	0	1	0	1
Replacement (exempt).	9	5	4	16	0	34
<b>TOTAL</b>	<b>24</b>	<b>32</b>	<b>23</b>	<b>36</b>	<b>14</b>	<b>129</b>
<i>Subarea Total as Percentage</i>	19%	25%	18%	28%	11%	

### Total Evaluations:

To Date: 319      2016/17 Fiscal Year: 44

Evaluations initiated November 2011.

Report Date: 1/20/2017

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**..Title**

Reservoir Release Update

**..Report**

RECOMMENDATION:

None – item presented for informational purposes.

SUMMARY/DISCUSSION:

The Board of Directors receives monthly updates on the status of Agency reservoirs.

**RESERVOIR ELEVATION / STORAGE:** As of January 19, 2017, San Antonio Reservoir is at an elevation of approximately 696.3 feet mean sea level (msl), 57,965 acre-feet of storage. Nacimiento Reservoir is at elevation 769.3 feet msl, 224,490 acre-feet of storage. San Antonio Reservoir is currently at 17% of storage capacity and Nacimiento Reservoir is at 59% of capacity.

A series of rain events beginning December 8th resulted in significant inflow to both reservoirs. San Antonio Reservoir increased 32.9 feet in elevation (36,852 acre-feet of storage) from the seasonal low in mid-December. Nacimiento Reservoir increased 41.4 feet in elevation (137,607 acre-feet of storage) during the same period. The Salinas and Arroyo Seco Rivers were connected to the ocean for several days in January. The Salinas River mouth opened to the ocean on January 12<sup>th</sup> as a result of sandbar management activities in response to flow from the Arroyo Seco River. As of January 19<sup>th</sup> the Salinas river lagoon remains open to the ocean.

**RESERVOIR RELEASES:** Minimum fisheries releases are currently being made from both reservoirs. Minor fluctuations in release rates are not presented in this report but are documented in the Salinas Valley Water Project Annual Flow Reports.

Releases as of January 19, 2017:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 3 cfs

Total releases from both reservoirs to the Salinas River are approximately 63 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 22 cfs (decreasing)
- Salinas River near Chualar: 3 cfs (decreasing)
- Salinas River at Soledad: 0 cfs
- Salinas River near Bradley: 258 cfs (decreasing)

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

Prepared by: Germán Criollo, Associate Hydrologist, (831) 755-4860  
Jason Demers, Hydrologist, (831) 755-4860

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<b>DEADLINE FOR BOARD ACTION:</b>	January 30, 2017	

Receive Report on Salinas Valley Water Conditions for the First Quarter of Water Year 2016-2017

**RECOMMENDATION:**

It is recommended that the Monterey County Water Resources Agency Board of Directors:

Receive report on Salinas Valley water conditions for the first quarter of Water Year 2016-2017.

**SUMMARY/DISCUSSION:**

This report covers the first quarter of Water Year 2016-2017 (WY17), October, 2016 through December, 2017. It provides a brief overview of water conditions in the Salinas Valley with discussion of precipitation, reservoir storage, and ground water level trends. Data for each of these components are included as graphs and tables in Attachments B through J.

Precipitation – The first quarter of WY17 brought normal rainfall to Salinas and below normal rainfall to King City. Cumulative totals for the quarter were 4.00 inches (102% of normal rainfall of 3.91 inches for the quarter) at the Salinas Airport, and 2.42 inches (65% of normal rainfall of 3.72 inches for the quarter) in King City.

Attachment B contains graphs for both stations showing monthly and cumulative precipitation data for the current and a normal water year. Attachment B also includes tables showing values for precipitation totals as well as percent of normal precipitation.

Rainfall data for Salinas and King City should be considered preliminary until verified by National Weather Service data at a later date.

Reservoirs - The following table compares fourth quarter storage at Nacimiento and San Antonio reservoirs for the past two years. Storage in Nacimiento Reservoir is 30,425 acre-feet higher than in December 2015, and storage in San Antonio Reservoir is 10,896 acre-feet higher.

<b>Reservoir</b>	<b>December 31, 2016 (WY17) Storage in acre-feet</b>	<b>December 31, 2015 (WY16) Storage in acre-feet</b>	<b>Difference in acre-feet</b>
Nacimiento	93,275	62,850	30,425
San Antonio	21,150	10,254	10,896

Graphs for both reservoirs showing daily storage for the last five water years along with average daily storage for comparison are included as Attachments C and D.

Groundwater Levels – More than 80 wells are measured monthly throughout the Salinas Valley to monitor seasonal groundwater level fluctuations. Data from approximately 50 of these wells are used in the preparation of this report. The measurements are categorized by hydrologic subarea, averaged, and graphed to compare current water levels with selected past conditions. Graphs for individual subareas, showing the current year's water level conditions, last year's conditions (WY16), dry conditions (WY91), and near-normal conditions (WY85), are found in Attachments E through I. Attachment J is a summary of water level changes for all subareas.

Groundwater level measurements indicate that, by the end of the first quarter of WY17, water levels were recovering in all Subareas. Over the past month, average groundwater levels rose by three feet in the Pressure 180-Foot and the Pressure 400-Foot Aquifers, seven feet in the East Side Subarea, and one foot in the Forebay and Upper Valley Subareas.

Compared to December 2015, average groundwater levels in December 2016 were down by three feet in the Pressure 180-Foot Aquifer, two feet in the Pressure 400-Foot Aquifer, four feet in the East Side Subarea, and five feet in the Forebay and Upper Valley Subareas.

When compared to WY85, which is considered to be a year of near normal groundwater conditions, December 2016 water levels were 28 feet lower in the Pressure 180-Foot Aquifer, 16 feet lower in the Pressure 400-Foot Aquifer, 31 feet lower in the East Side Subarea, 28 feet lower in the Forebay Subarea and 22 feet lower in the Upper Valley Subarea.

Average groundwater levels for the first quarter of WY17 remained below WY91 (dry condition) levels in the Pressure 180-Foot Aquifer as well as the Forebay and Upper Valley Subareas. By contrast, throughout the first quarter, water levels in the Pressure 400-Foot Aquifer remained two to five feet higher than in WY91, while groundwater levels in the East Side Subarea rebounded to two feet above WY91 levels by the end of the first quarter of WY17.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

Funds 113, 114, 115, 116

Prepared by: Howard Franklin, Senior Hydrologist, (831) 755-4860  
Peter Kwiek, Hydrologist, (831)755-4860

Approved by: \_\_\_\_\_  
David E. Chardavoyne, General Manager, (831) 755-4860

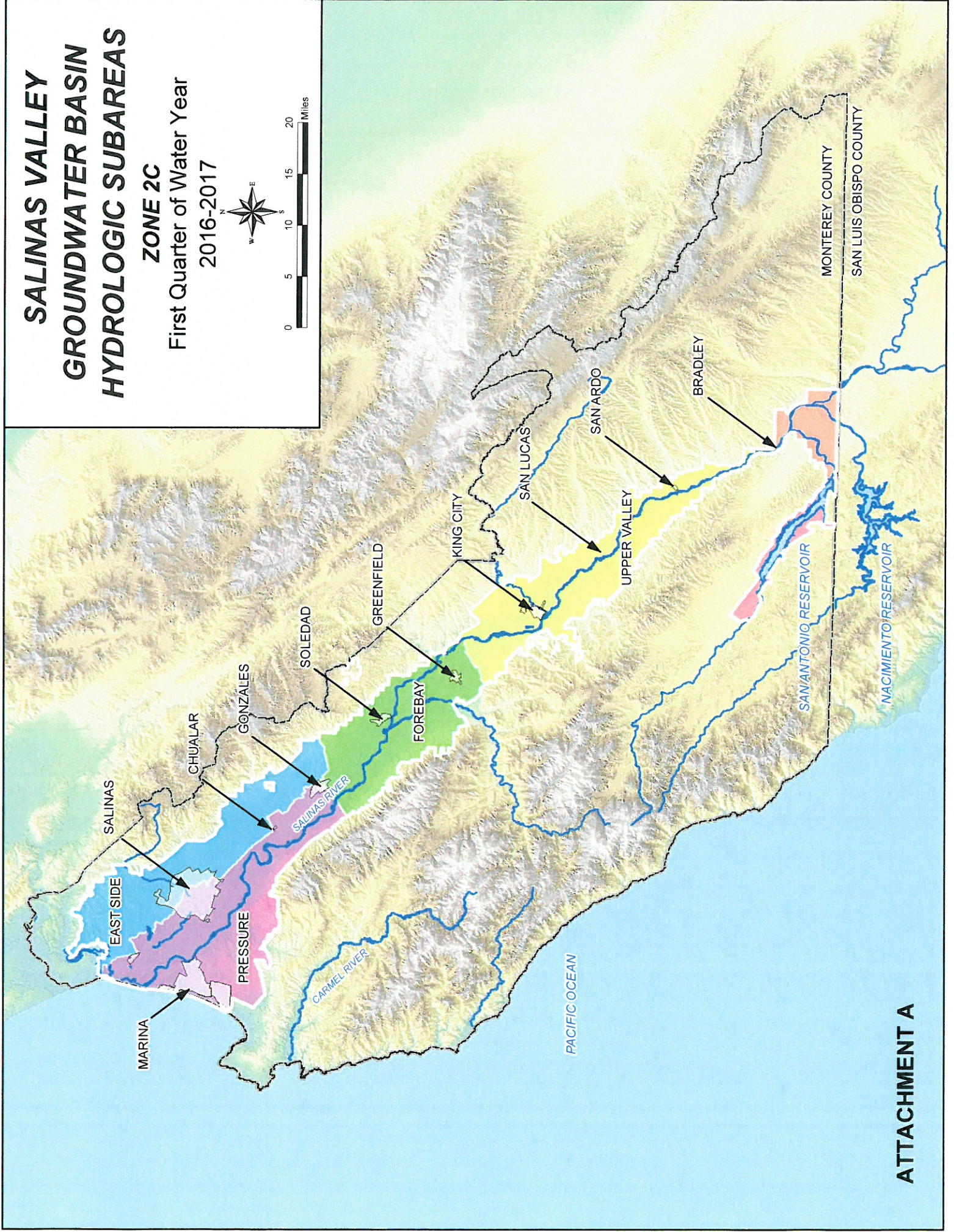
Attachments:

1. Attachment A, Salinas Valley Hydrologic Subareas Map
2. Attachment B, Salinas and King City Precipitation Graphs
3. Attachment C, Nacimiento Reservoir Graph
4. Attachment D, San Antonio Graph
5. Attachment E, Groundwater Trends Pressure 180-Foot Aquifer
6. Attachment F, Groundwater Trends Pressure 400-Foot Aquifer
7. Attachment G, Groundwater Trends East Side Subarea
8. Attachment H, Groundwater Trends Forebay Subarea
9. Attachment I, Groundwater Trends Upper Valley Subarea
10. Attachment J, Groundwater Trends Summary

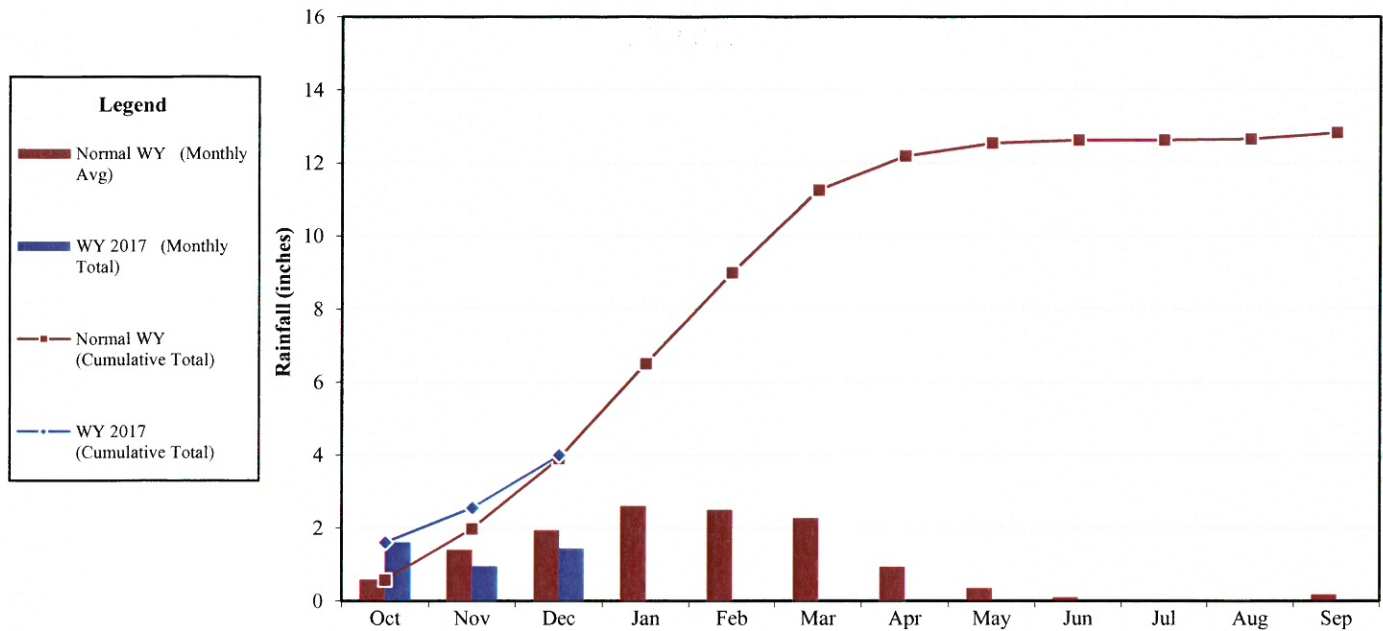
# **SALINAS VALLEY GROUNDWATER BASIN HYDROLOGIC SUBAREAS**

## **ZONE 2C**

First Quarter of Water Year  
2016-2017

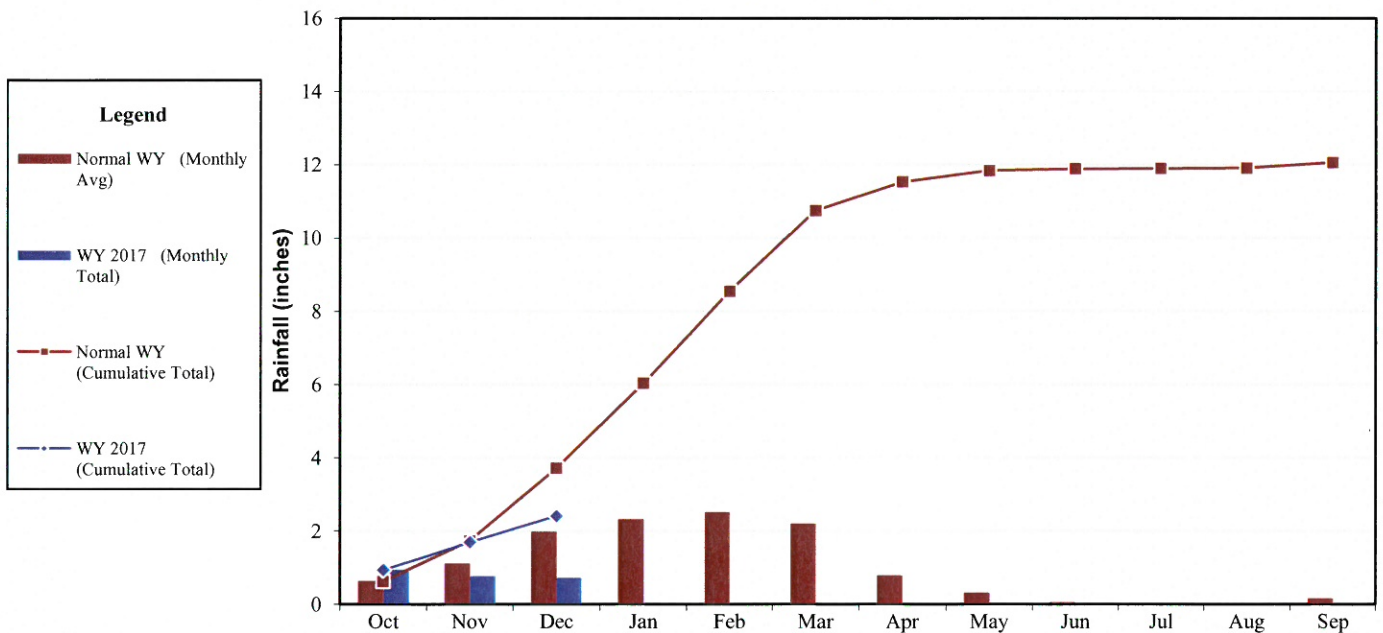


## SALINAS AIRPORT RAINFALL WATER YEAR 2017



Monthly Rainfall (WY 2017)	1.61	0.95	1.44									
Monthly Rainfall (Normal WY*)	0.58	1.40	1.93	2.60	2.49	2.26	0.93	0.35	0.09	0.00	0.03	0.17
Percent of Normal for Month	278%	68%	75%									
Cumulative Rainfall (WY 2017)	1.61	2.56	4.00									
Cumulative Rainfall (Normal WY*)	0.58	1.98	3.91	6.51	9.00	11.26	12.19	12.54	12.63	12.63	12.66	12.83
Percent of Cumulative Normal	278%	129%	102%									

## KING CITY RAINFALL WATER YEAR 2017

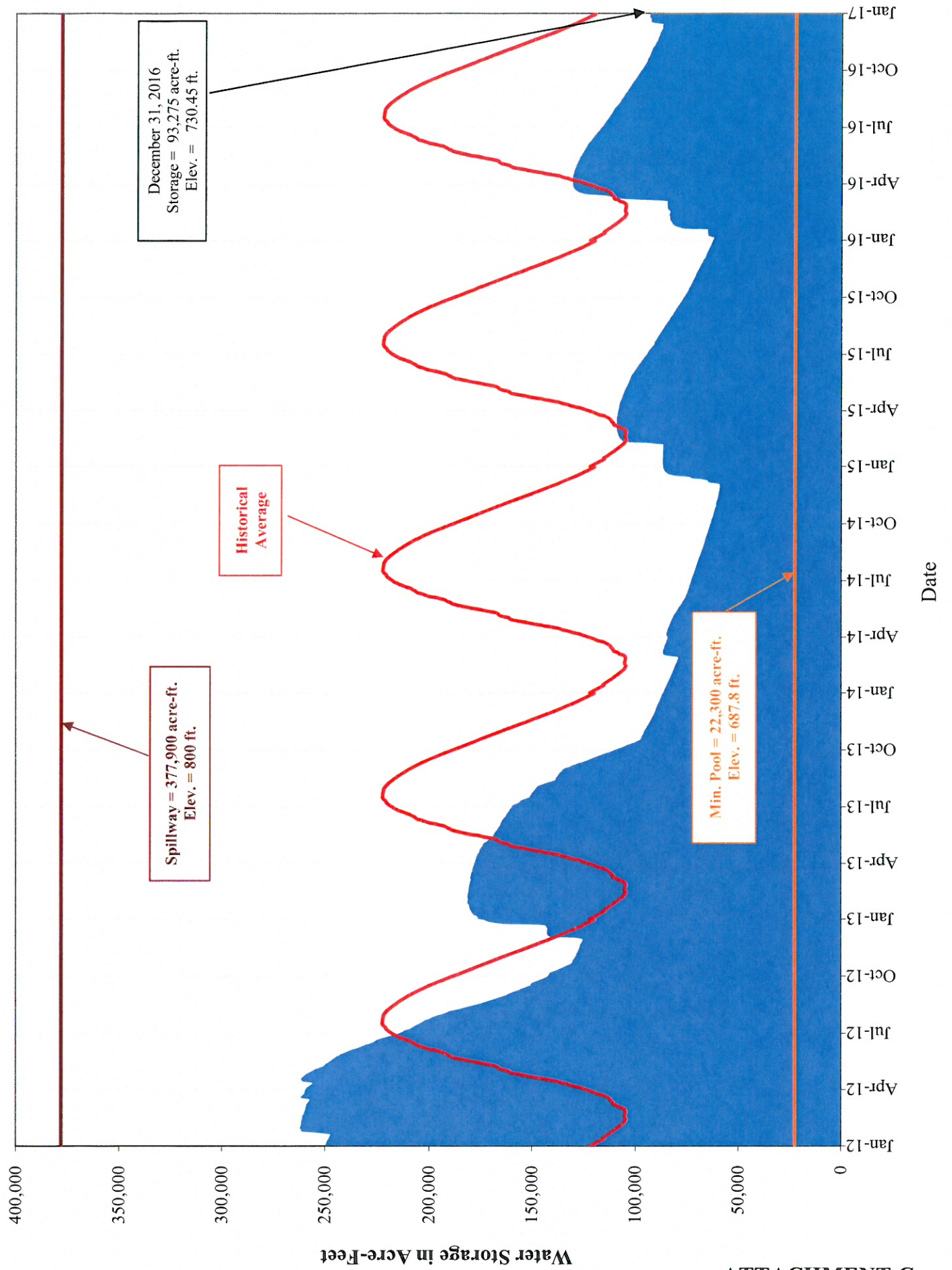


Monthly Rainfall (WY 2017)	0.94	0.76	0.72									
Monthly Rainfall (Normal WY*)	0.63	1.11	1.98	2.32	2.51	2.20	0.78	0.31	0.05	0.01	0.01	0.15
Percent of Normal for Month	149%	68%	36%									
Cumulative Rainfall (WY 2017)	0.94	1.70	2.42									
Cumulative Rainfall (Normal WY*)	0.63	1.74	3.72	6.04	8.55	10.75	11.53	11.84	11.89	11.90	11.91	12.06
Percent of Cumulative Normal	149%	98%	65%									

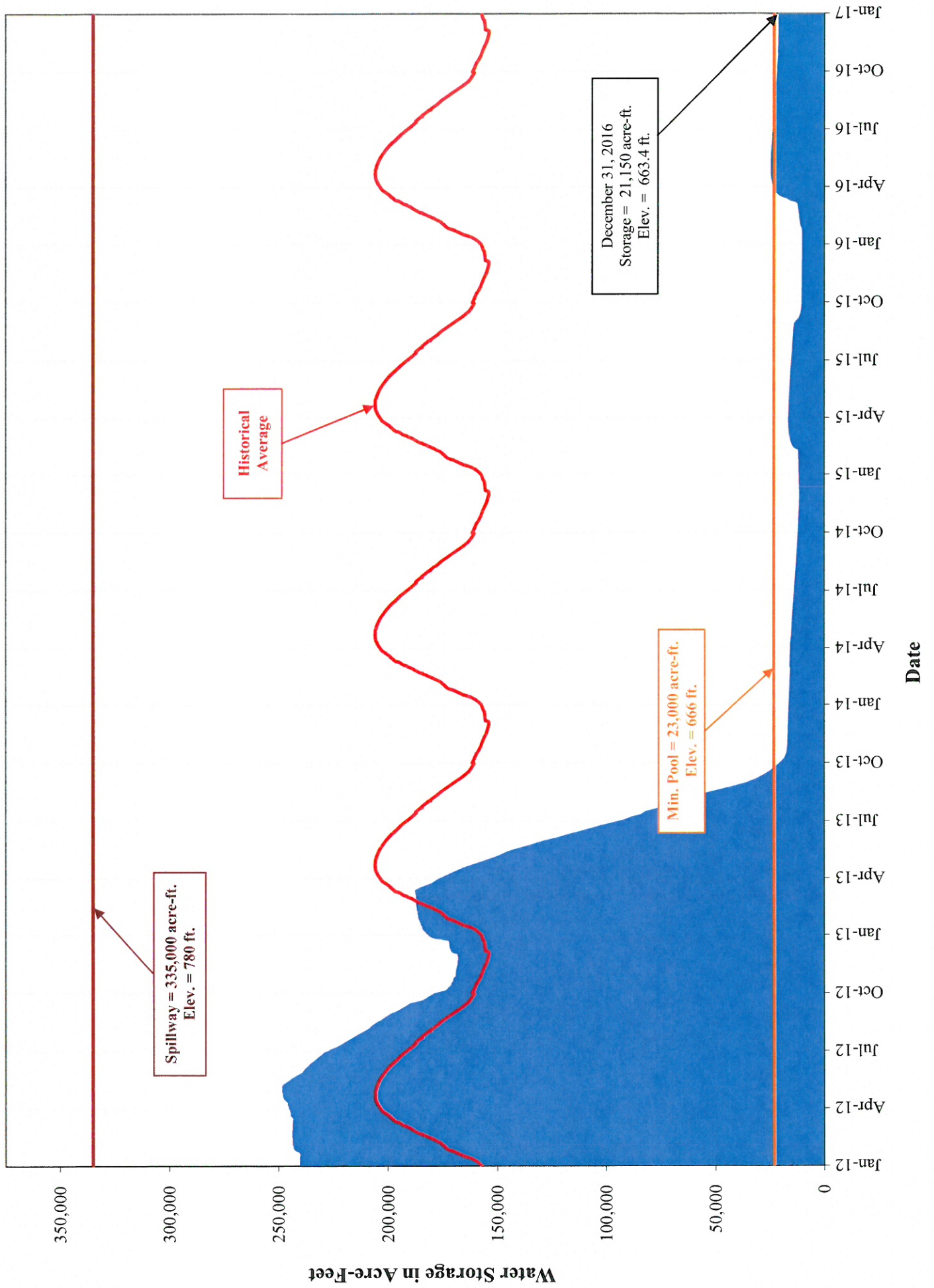
\*Average precipitation over the most recent 30-year period ending in a decade (1981-2010)

**ATTACHMENT B**

# NACIMIENTO RESERVOIR DAILY STORAGE



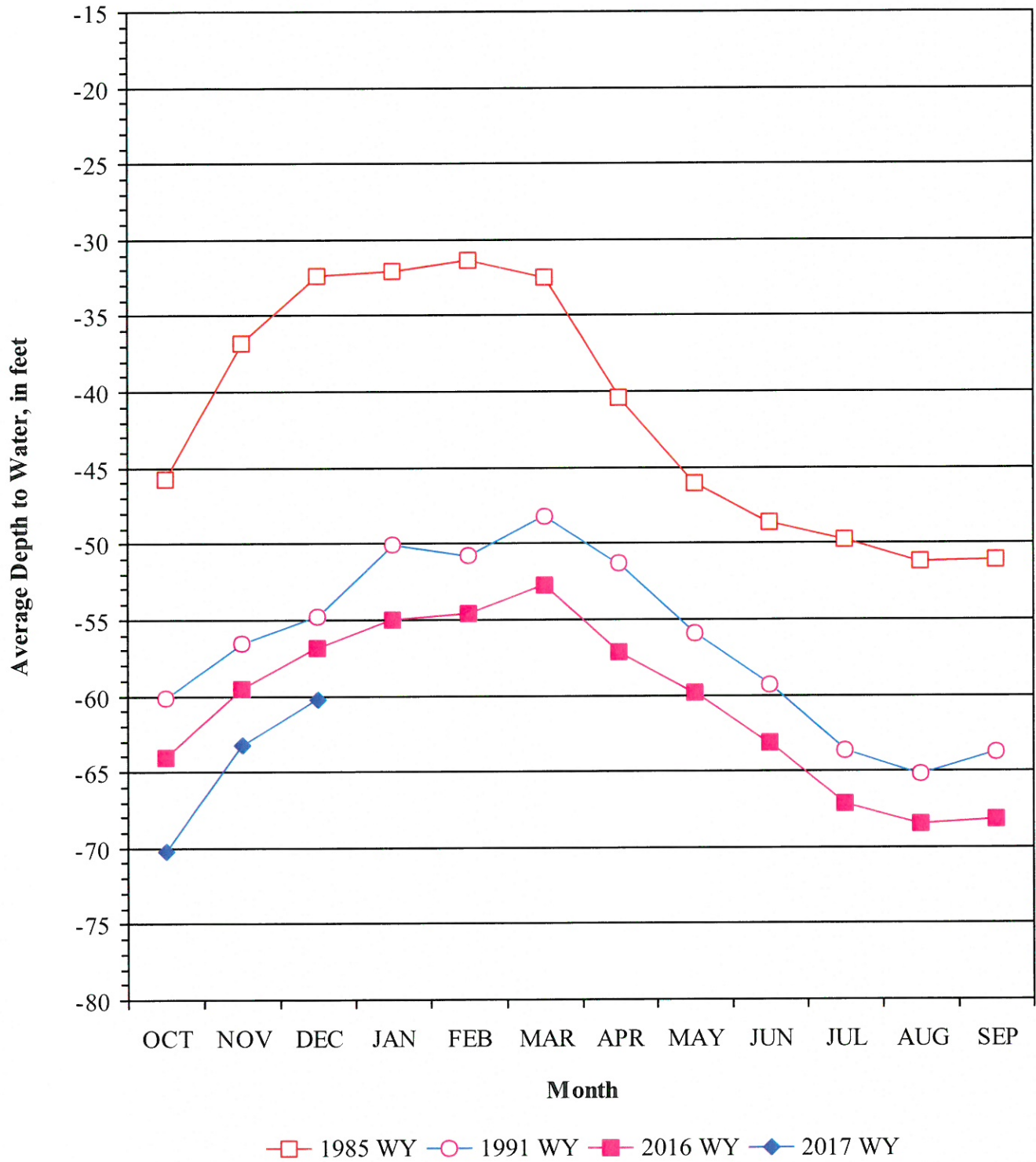
# SAN ANTONIO RESERVOIR DAILY STORAGE



# GROUNDWATER TRENDS

## PRESSURE 180-FOOT AQUIFER

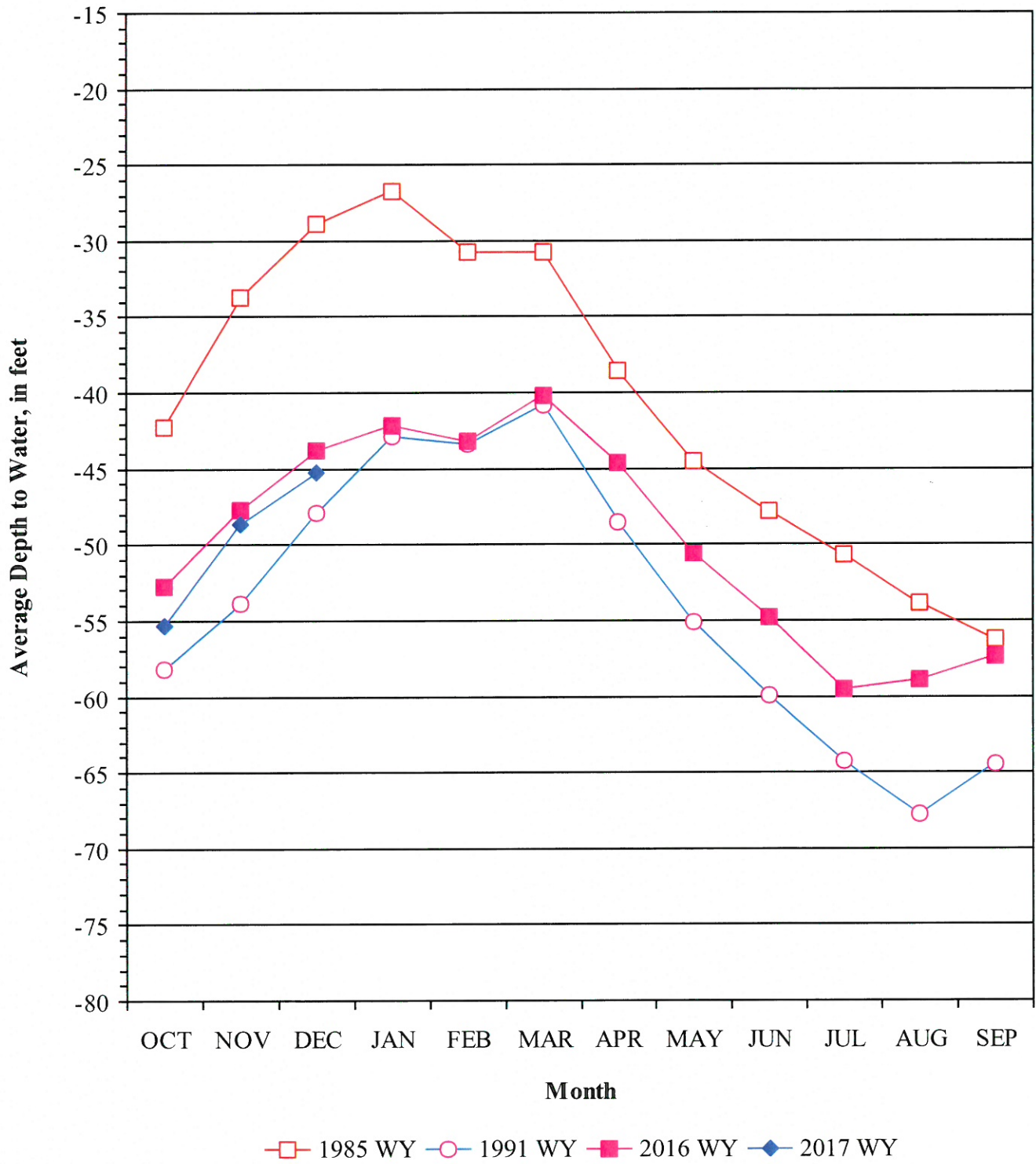
### 5 Wells



# GROUNDWATER TRENDS

## PRESSURE 400-FOOT AQUIFER

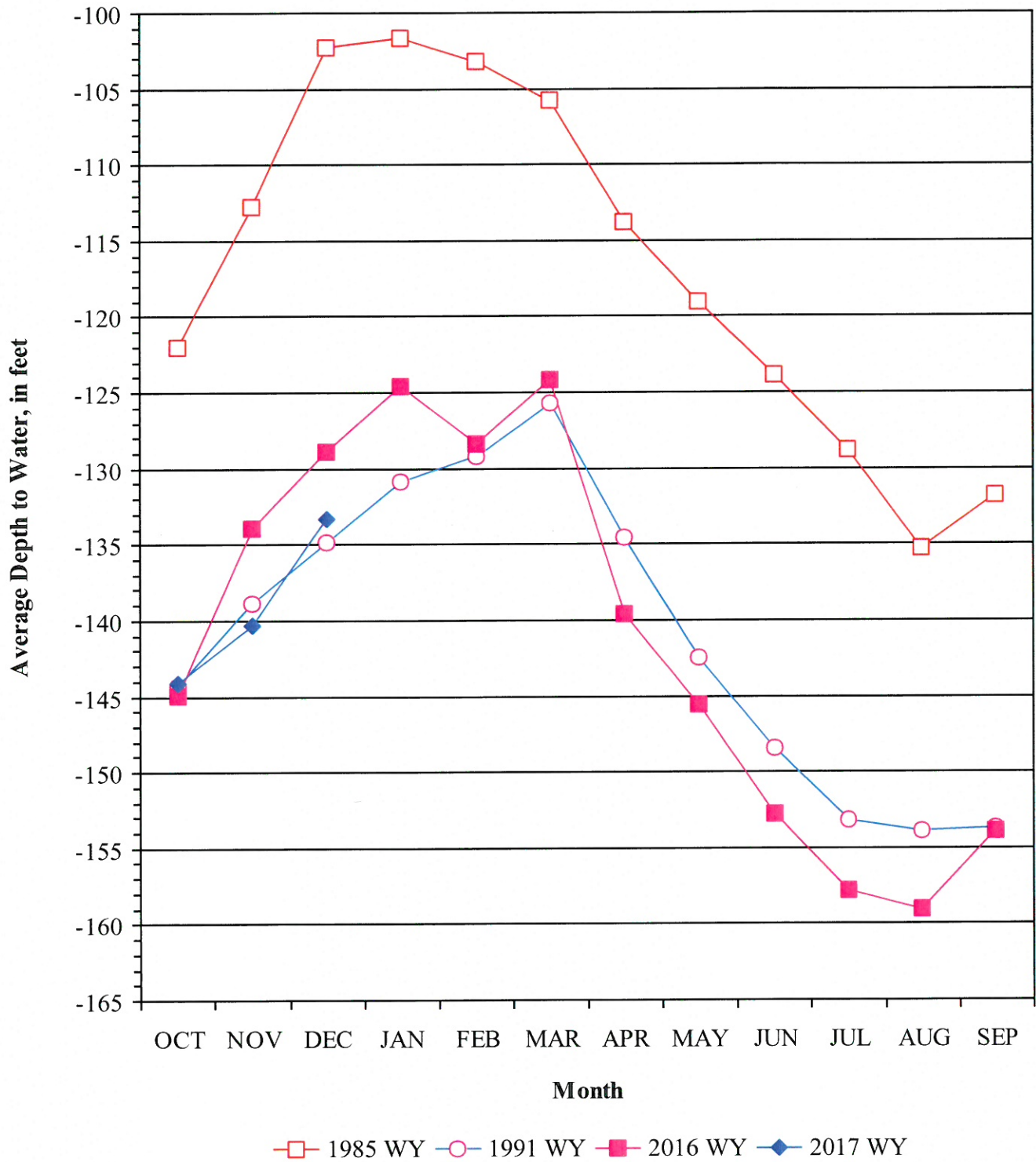
### 11 Wells



# GROUNDWATER TRENDS

## EAST SIDE SUBAREA

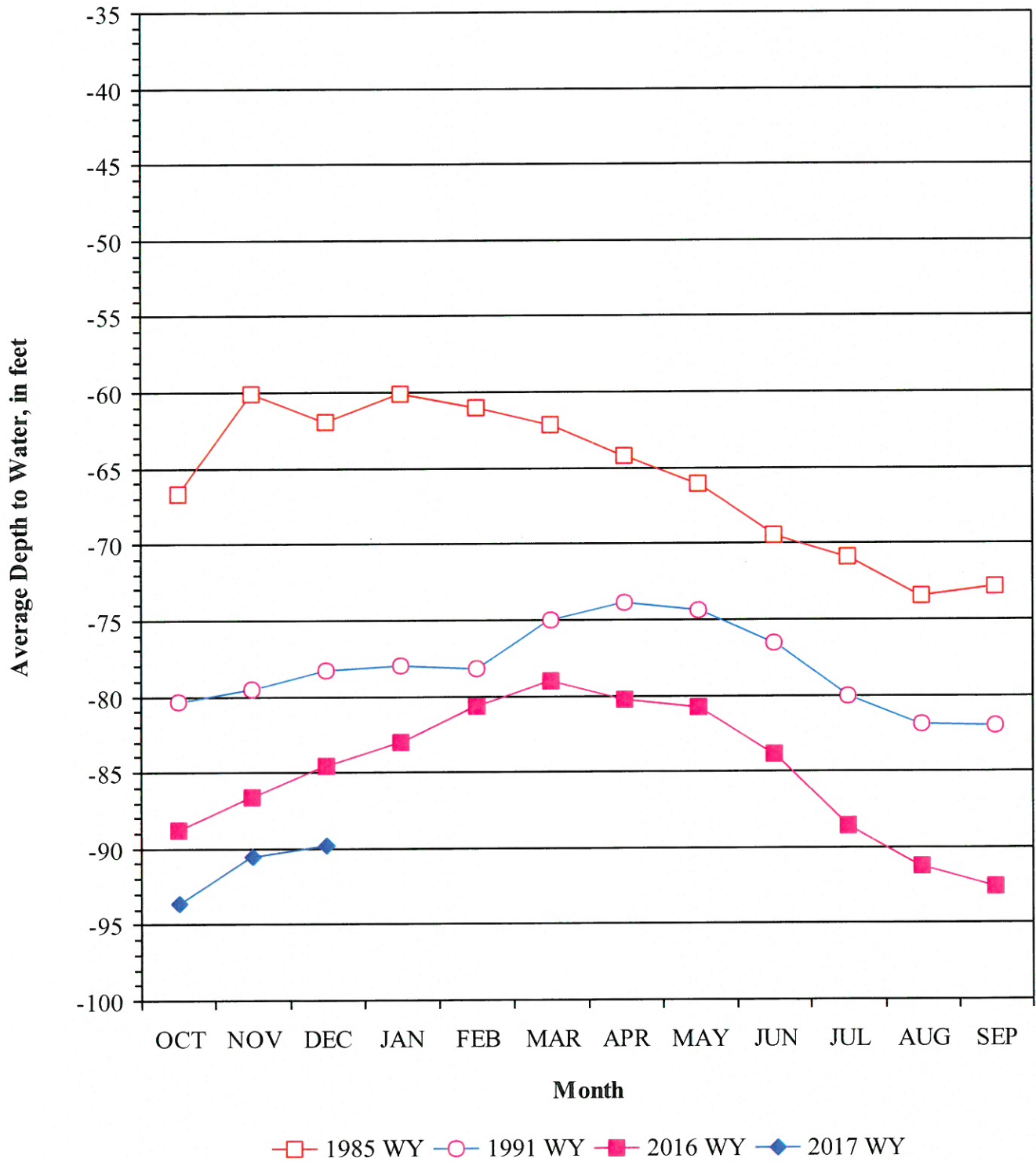
11 Wells



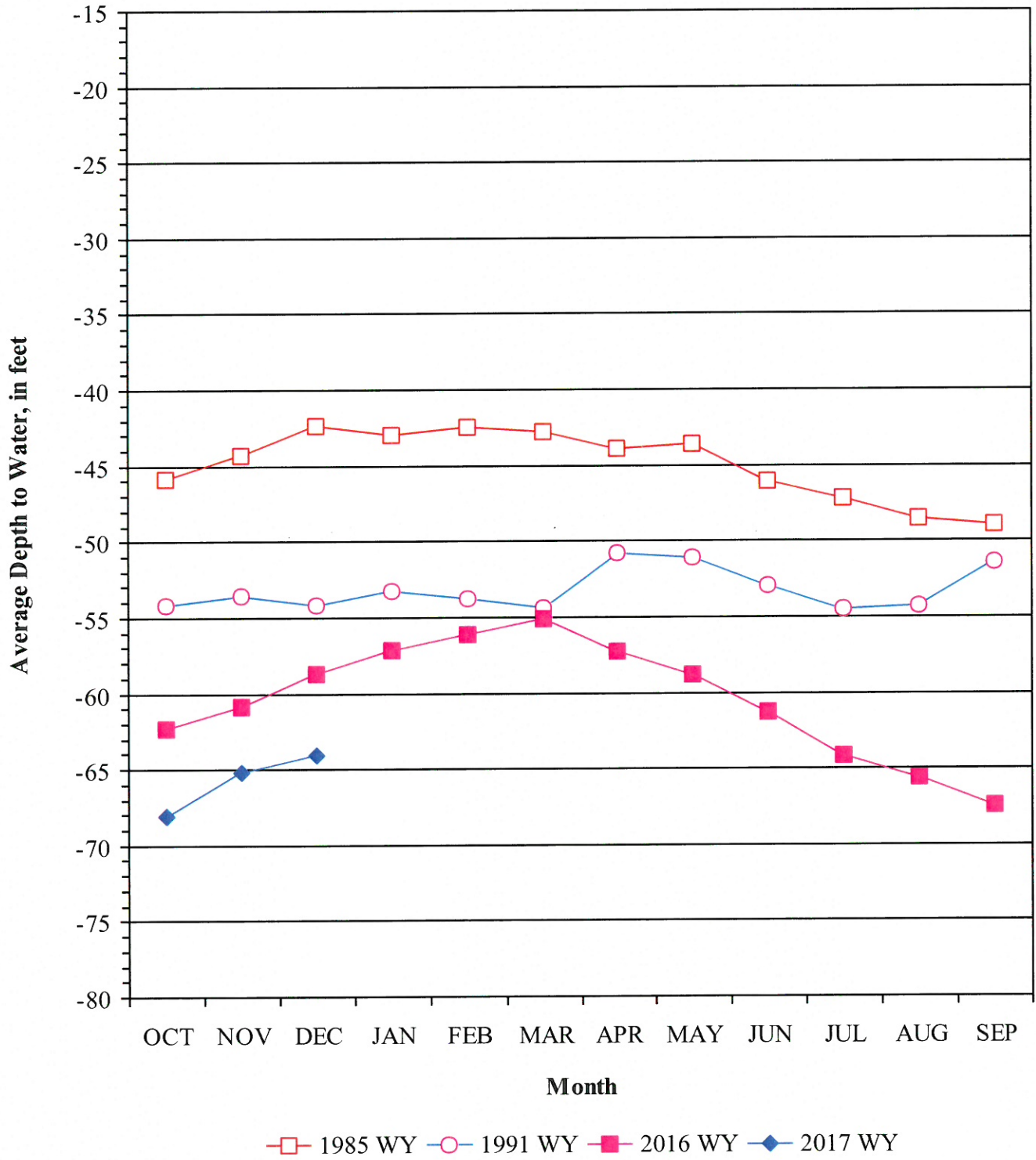
# GROUNDWATER TRENDS

## FOREBAY SUBAREA

### 10 Wells



**GROUNDWATER TRENDS**  
**UPPER VALLEY SUBAREA**  
**9 Wells**



# Groundwater Trends Summary

## December 2016

<b>Area</b>	<b>December 2016 Depth to Water</b>	<b>1 Year Change</b>	<b>Change From WY 1985</b>	<b>1 Month Change</b>
<b>Pressure 180-Foot Aquifer</b>	<b>60'</b>	<b>down 3'</b>	<b>down 28'</b>	<b>up 3'</b>
<b>Pressure 400-Foot Aquifer</b>	<b>45'</b>	<b>down 2'</b>	<b>down 16'</b>	<b>up 3'</b>
<b>East Side Subarea</b>	<b>133'</b>	<b>down 4'</b>	<b>down 31'</b>	<b>up 7'</b>
<b>Forebay Subarea</b>	<b>90'</b>	<b>down 5'</b>	<b>down 28'</b>	<b>up 1'</b>
<b>Upper Valley Subarea</b>	<b>64'</b>	<b>down 5'</b>	<b>down 22'</b>	<b>up 1'</b>

**December water levels, compared to last year, range from 5' lower to 2' lower.**

**December water levels, compared to WY 1985, range from 31' lower to 16' lower.**

**December changes in water levels over the last month range from 1' higher to 7' higher.**

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Monterey County Water Recycling Projects and Salinas River Diversion Facility Operations Update

SUMMARY/DISCUSSION:

Due to recent storms and the recent rise in water elevation at both Nacimiento and San Antonio reservoirs, MCWRA anticipates operating the SRDF during the 2017 season. The duration of SRDF operations for the 2017 irrigation season is yet to be determined. No water delivery from the SRDF has been made since October 11, 2013. The irrigation service area has been supplied with water from the SVRP to include produce wash water from the City of Salinas and CSIP supplemental ground water wells.

The CSIP system was originally constructed with 21 ground water wells. Eight wells are presently operational, with a total flow capacity of approximately 14,500 gallons per minute or 76 acre feet per day. Two wells, 03H1 and 11B1, are offline for maintenance and are expected to be returned to service ahead of this year's irrigation season.

The regional treatment plant is offline due to low irrigation demand and planned winter maintenance. Once back online, the regional treatment plant will provide approximately 20 MGD or 61 acre feet per day. This includes the 3.5 MGD diversion from the Salinas industrial pond which the regional plant will begin receiving in April.

Daily irrigation demand is currently being met by recent rains and the 8 available CSIP supplemental wells.

OTHER AGENCY INVOLVEMENT:

N/A

FINANCING:

N/A

Prepared by: Mark Foxworthy, Associate Water Resources Engineer, 755-8984

Approved by: \_\_\_\_\_  
David E. Chardavoyne, General Manager, (831) 755-4860

Attachments:  
CSIP Water Production Table

Monterey County Water Recycling Projects (MCWRP) & Salinas River Diversion Facility (SRDF) Water Production (Acre Feet)																			
Source	FY 98-99	FY 99-00	FY 00-01	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY15-16	FY16-17
	Jul-98	Jul-99	Jul-00	July-01	July-02	July-03	July-04	July-05	July-06	July-07	July-08	July-09	July-10	July-11	July-12	July-13	July-14	July-15	July-16
CSIP-Wells	772	1,318	1,234	1,535	1,363	1,821	1,565	1,507	1,424	1,517	1,590	1,699	267	316	214	98	1,303	1,351	1,412
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	1,035	1,145	992	1,260	0	0	0
SVRP-Recycled	1,114	1,870	1,886	1,879	1,900	1,898	1,957	1,906	1,931	1,957	1,943	1,837	1,889	1,869	1,834	1,786	2,073	1,842	1,941
	Aug-98	Aug-99	Aug-00	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Aug-07	Aug-08	Aug-09	Aug-10	Aug-11	Aug-12	Aug-13	Aug-14	Aug-15	Aug-16
CSIP-Wells	748	899	774	1,105	1,073	1,283	1,145	770	1,103	1,115	969	1,107	272	568	311	263	1,025	1,105	911
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	968	709	799	1,220	0	0	0
SVRP-Recycled	1,118	1,772	1,843	1,944	1,877	1,889	1,954	1,838	1,925	1,927	1,906	1,839	1,902	1,873	1,847	1,803	2,033	1,785	1,704
	Sep-98	Sep-99	Sep-00	Sep-01	Sep-02	Sep-03	Sep-04	Sep-05	Sep-06	Sep-07	Sep-08	Sep-09	Sep-10	Sep-11	Sep-12	Sep-13	Sep-14	Sep-15	Sep-16
CSIP-Wells	226	368	517	417	793	561	727	337	342	380	545	509	191	419	135	248	435	482	445
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	478	0	314	537	0	0	0
SVRP-Recycled	989	1,398	1,460	1,505	1,435	1,750	1,821	1,689	1,782	1,616	1,683	1,594	1,821	1,617	1,734	1,725	1,837	1,687	1,782
	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Oct-12	Oct-13	Oct-14	Oct-15	Oct-16
CSIP-Wells	309	370	450	164	162	174	183	115	172	125	140	119	20	54	16	165	102	38	228
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	80	0	65	133	0	0	0
SVRP-Recycled	432	1,017	475	1,276	1,316	1,371	862	1,241	1,509	1,129	1,378	465	1,006	733	1,168	1,548	1,407	1,217	578
	Nov-98	Nov-99	Nov-00	Nov-01	Nov-02	Nov-03	Nov-04	Nov-05	Nov-06	Nov-07	Nov-08	Nov-09	Nov-10	Nov-11	Nov-12	Nov-13	Nov-14	Nov-15	Nov-16
CSIP-Wells	77	82	230	11	183	134	171	330	90	692	35	575	246	238	72	35	303	213	325
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SVRP-Recycled	32	153	0	260	184	149	0	209	342	0	730	0	179	224	731	1,127	18	57	0
	Dec-98	Dec-99	Dec-00	Dec-01	Dec-02	Dec-03	Dec-04	Dec-05	Dec-06	Dec-07	Dec-08	Dec-09	Dec-10	Dec-11	Dec-12	Dec-13	Dec-14	Dec-15	Dec-16
CSIP-Wells	72	215	397	10	107	40	150	85	119	445	29	194	69	723	44	730	38	199	211
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SVRP-Recycled	0	0	0	0	0	0	0	0	0	0	289	0	0	0	0	88	0	0	0
	Jan-99	Jan-00	Jan-01	Jan-02	Jan-03	Jan-04	Jan-05	Jan-06	Jan-07	Jan-08	Jan-09	Jan-10	Jan-11	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17
CSIP-Wells	169	202	189	151	130	179	83	109	687	91	485	100	333	1,067	253	490	516	96	
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SVRP-Recycled	22	0	0	0	0	0	0	0	0	0	0	0	26	0	0	1,240	32	0	
	Feb-99	Feb-00	Feb-01	Feb-02	Feb-03	Feb-04	Feb-05	Feb-06	Feb-07	Feb-08	Feb-09	Feb-10	Feb-11	Feb-12	Feb-13	Feb-14	Feb-15	Feb-16	Feb-17
CSIP-Wells	52	43	128	358	345	121	280	583	252	171	235	143	100	162	334	9	115	520	
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SVRP-Recycled	58	0	0	385	32	1	0	0	154	173	112	0	580	1,031	692	351	1,013	56	
	Mar-99	Mar-00	Mar-01	Mar-02	Mar-03	Mar-04	Mar-05	Mar-06	Mar-07	Mar-08	Mar-09	Mar-10	Mar-11	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17
CSIP-Wells	138	651	529	233	473	455	241	124	459	520	408	529	154	211	218	214	411	395	
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SVRP-Recycled	35	11	422	791	1,184	1,121	0	0	1099	1,602	676	49	450	929	1,561	902	1,542	289	
	Apr-99	Apr-00	Apr-01	Apr-02	Apr-03	Apr-04	Apr-05	Apr-06	Apr-07	Apr-08	Apr-09	Apr-10	Apr-11	Apr-12	Apr-13	Apr-14	Apr-15	Apr-16	Apr-17
CSIP-Wells	601	678	587	564	190	878	482	195	496	1,513	1054	143	544	80	239	240	446	391	
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	501	0	0	0	
SVRP-Recycled	586	1,136	1,332	1,763	1,381	1,848	740	328	1642	1,806	1702	839	1,650	1,044	1,679	1,431	1,556	1,640	
	May-99	May-00	May-01	May-02	May-03	May-04	May-05	May-06	May-07	May-08	May-09	May-10	May-11	May-12	May-13	May-14	May-15	May-16	May-17
CSIP-Wells	313	439	531	446	535	810	388	249	417	939	822	150	284	125	239	1,067	696	831	
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	375	593	618	1,219	0	0	0	
SVRP-Recycled	1,561	1,283	1,805	1,770	1,722	1,933	1,770	1751	1907	1,914	1717	1737	1694	1,745	1,799	1,912	1,758	1,770	
	Jun-99	Jun-00	Jun-01	Jun-02	Jun-03	Jun-04	Jun-05	Jun-06	Jun-07	Jun-08	Jun-09	Jun-10	Jun-11	Jun-12	Jun-13	Jun-14	Jun-15	Jun-16	Jun-17
CSIP-Wells	743	1,051	1,359	1,256	1,435	1,653	1,402	1,394	1,523	1,726	1,391	570	428	276	363	1,261	1,066	1,299	
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	944	1,020	906	1,224	0	0	0	
SVRP-Recycled	1,615	1,793	1,877	1,664	1,808	1,913	1,833	1,903	1,874	1,797	1,750	1,838	1,713	1,764	1,677	1,940	1,761	1,855	
Totals	FY 98-99	FY 99-00	FY 00-01	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17
CSIP-Wells	4,220	6,316	6,925	6,250	6,789	8,109	6,817	5,798	7,084	9,234	7,703	5,838	2,908	4,239	2,438	4,820	6,455	6,921	3,532
SRDF-River	0	0	0	0	0	0	0	0	0	0	0	1,319	4,174	3,378	5,114	3,150	0	0	0
SVRP-Recycled	7,562	10,433	11,100	13,237	12,839	13,873	10,937	10,865	14,165	13,921	13,886	10,198	12,910	12,829	14,723	15,853	15,030	12,198	6,005
Total acre-feet	11,782	16,749	18,025	19,487	19,628	21,982	17,754	16,663	21,249	23,155	21,589	17,355	19,992	20,446	22,275	23,822	21,485	19,120	9,536
% Wells	36%	38%	38%	32%	35%	37%	38%	35%	33%	40%	36%	34%	15%	21%	11%	20%	30%	36%	37%
% River	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	21%	17%	23%	13%	0%	0%	0%
% Recycled	64%	62%	62%	68%	65%	63%	62%	65%	67%	60%	64%	59%	65%	63%	66%	67%	70%	64%	63%