



WEST VALLEY WATER DISTRICT
855 W. Base Line Road Rialto, CA

**NOTICE OF CALL OF
AND AGENDA FOR
SPECIAL MEETING**
(Government Code § 54956(a))

PLEASE TAKE NOTICE that the President of Directors of the West Valley Water District has called a Special Meeting of the Board of Directors for

1:00 P.M. on SATURDAY, APRIL 6, 2019,

at District Headquarters located at 855 W. Base Line Road, Rialto, CA 92376. The only items of business to be considered at this Special Meeting are as set so forth in the following agenda:

**SPECIAL MEETING
AGENDA**

Saturday, April 6, 2019 – 1:00 P.M.

"In order to comply with legal requirements for posting of agendas, only those items listed in this NOTICE OF CALL AND AGENDA FOR SPECIAL MEETING will be considered by the Board of Directors."

OPENING CEREMONIES

Pledge of Allegiance
Opening Prayer
Call to Order
Roll Call of Board Members

ADOPT AGENDA

PUBLIC PARTICIPATION

Any person wishing to speak to the Board of Directors on matters listed or not listed on the agenda, within its jurisdiction, is asked to complete a Speaker Card and submit it to the District Clerk. Each speaker is limited to three (3) minutes. Under the State of California Brown Act, the Board of Directors is prohibited from discussing or taking action on any item not listed on the posted agenda. Comments related to noticed Public Hearing(s) and Business Matters will be heard during the occurrence of the item.

Public communication is the time for anyone to address the Board on any agenda item or anything under the jurisdiction of the District. No person will be allowed to make comments at any other time in the meeting except if there is a Public Hearing. Also, please remember that no disruptions from the crowd will be tolerated. If someone disrupts the meeting, they will be removed.

BUSINESS MATTERS

Consideration of:

1. Request Issuance of Emergency Contracts to Approved Vendors to Rehabilitate, Lower, and/or Add Treatment Systems to Groundwater Wells.

ADJOURN

DECLARATION OF POSTING:

I declare under penalty of perjury, that I am employed by the West Valley Water District and posted the foregoing Special Board Meeting Agenda at the District Offices on April 5, 2019.



Crystal L. Escalera, Board Secretary

Please Note:

Material related to an item on this Agenda submitted to the Board after distribution of the agenda packet are available for public inspection in the District's office located at 855 W. Baseline, Rialto, during normal business hours. Also, such documents are available on the District's website at www.wvwd.org subject to staff's ability to post the documents before the meeting.

Pursuant to Government Code Section 54954.2(a), any request for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in the above-agendized public meeting should be directed to Crystal Escalera, at least 72 hours in advance of the meeting to ensure availability of the requested service or accommodation. Ms. Escalera may be contacted by telephone at (909) 875-1804 ext. 704, or in writing at the West Valley Water District, P.O. Box 920, Rialto, CA 92377-0920.



**BOARD OF DIRECTORS
STAFF REPORT**

DATE: April 6, 2019
TO: Board of Directors
FROM: Clarence Mansell Jr., General Manager
SUBJECT: REQUEST ISSUANCE OF EMERGENCY CONTRACTS TO APPROVED VENDORS TO REHABILITATE, LOWER, AND/OR ADD TREATMENT SYSTEMS TO GROUNDWATER WELLS

DISCUSSION:

At the March 9, 2019 Mid-Year Budget Workshop and Water Reliability Workshop, District staff reported on the status of the system and pointed out a potential for not having adequate water supply to meet the higher water demands this summer. To address this issue, District staff has embarked upon an emergency project (Well Production Optimization Project) to determine the potential to restore operational capacity to four (4) wells to produce an additional pumping capacity of 7,700 gpm before high summer demands occur. The proposed vendors include Tom Dodson and Associates, General Pump Inc., Tri County Pump Co., Best Drilling, Merlin Johnson Construction, and Hill Top Geotechnical.

Over the past several years sixteen (16) District wells have been taken out of service due to either limited water rights, low water levels, or elevated levels of contaminants in groundwater according to recent data. Attached as **Exhibit A** is the Precipitation Index and Groundwater Basin Levels. Although the overall groundwater level continues to decline due to drought conditions, rehabilitation of some of these wells shall recover a portion, if not all, of the groundwater production loss. Additionally, lowering the pump inlet to 100 feet below the pumping water levels to draw water in from deeper water levels and adding source treatment are being pursued. District staff will periodically report the system status and key projects that are in progress. Attached as **Exhibit C** is the Groundwater Well Status and Project Update. The table below shows the wells to be rehabilitated, the initial cost and the gallons per minute production estimated to be achieved.

| | Capacity | Cost |
|---------|-----------------|--|
| Well 7 | 1,300 gpm | \$70,000.00 (Phase I Assessment) |
| Well 8A | 2,400 gpm | \$70,000.00 (Phase I Assessment) |
| Well 15 | 2,000 gpm | \$75,000.00 (Phase I Assessment) |
| Well 41 | 2,000 gpm | \$120,000.00 (Wellhead Equipment Relocation) |
| Total = | 7,700 gpm | \$335,000.00 |

FISCAL IMPACT:

No fiscal impact. \$900,000.00 is included in the Fiscal Year 2018/19 Capital Budget for well rehabilitation, lowering and adding treatment systems.

STAFF RECOMMENDATION:

Authorize the General Manager to issue emergency contracts to approved vendors not to exceed \$335,000.00 in total without prior approval of the Board to rehabilitate, lower and/or add treatment systems to wells that staff determines are in need of such services.

CM:jc

ATTACHMENT(S):

1. Exhibit A - Precipitation Index and Groundwater Basin Levels
2. Exhibit B - Well Locations and Activities
3. Exhibit C - Well Status and Project Update

MEETING HISTORY:

04/04/19 Board of Directors TABLED Next: 04/06/19

EXHIBIT A



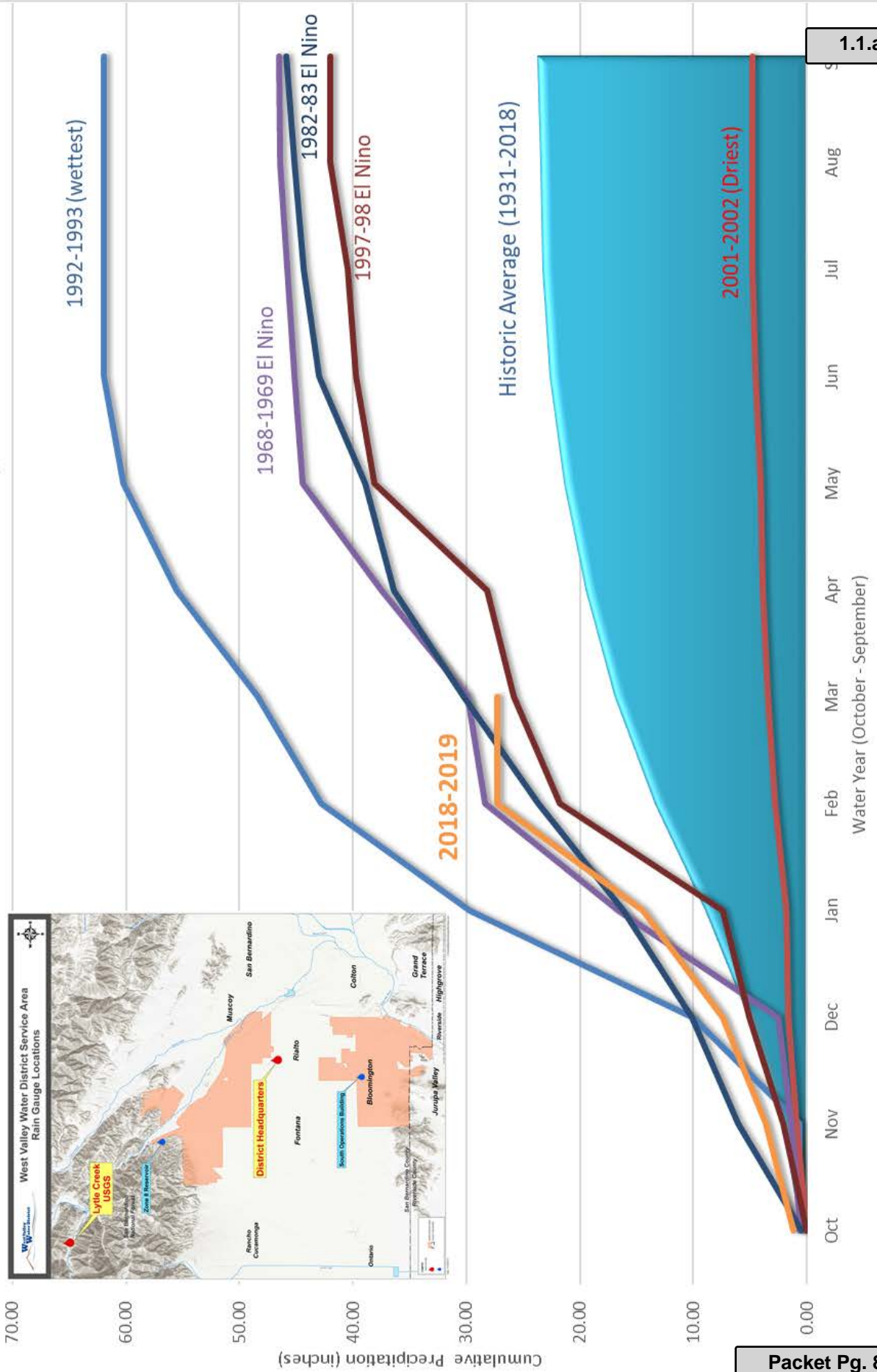
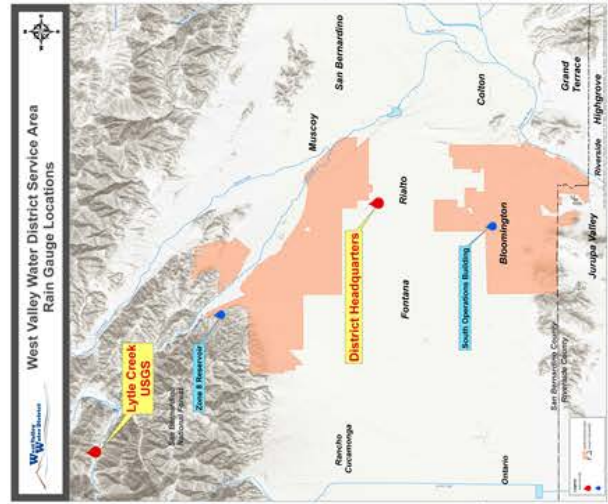
OPERATIONS UPDATE

Precipitation Index
Groundwater Basin Levels

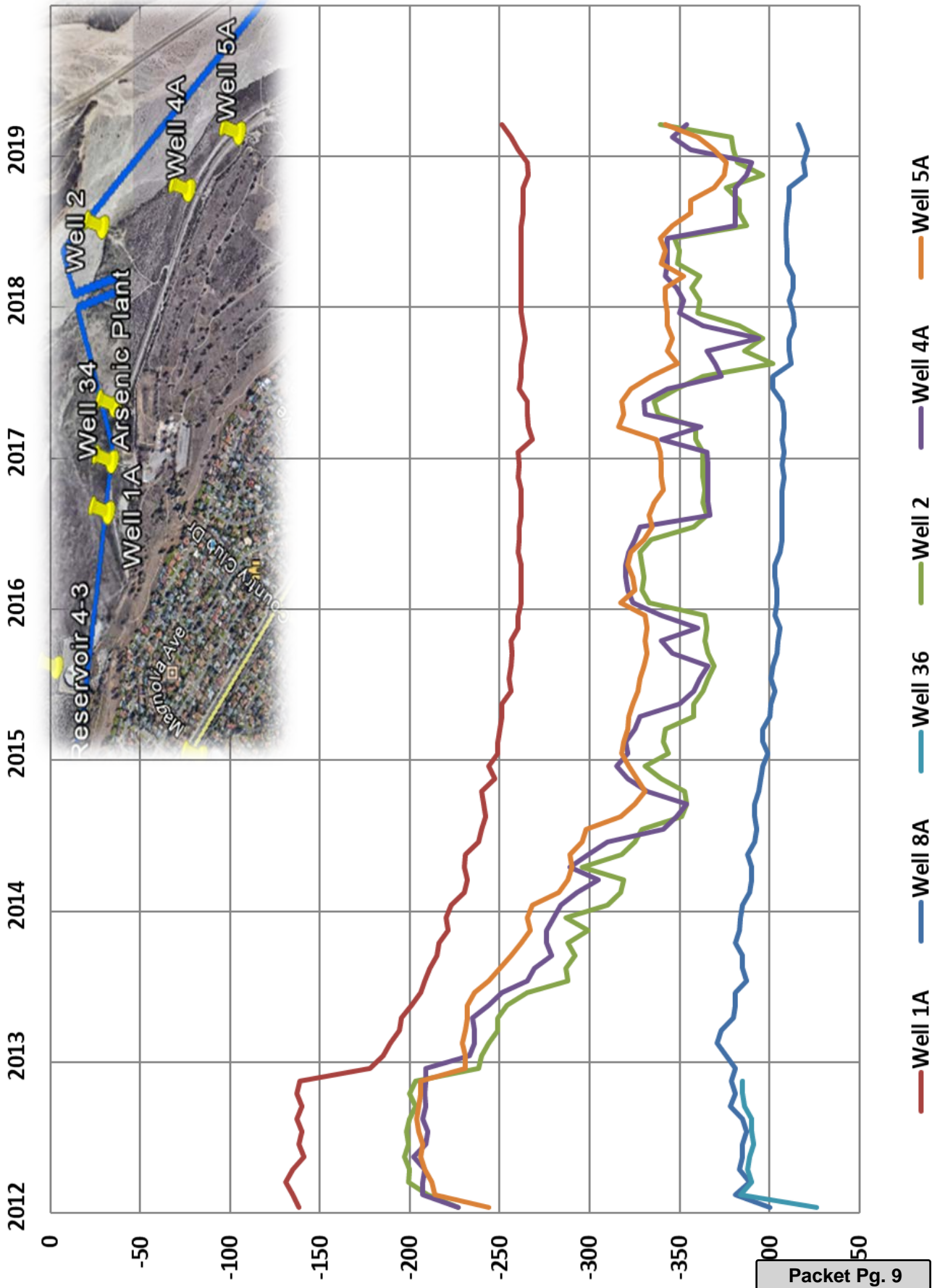
March 2019

West Valley Water District Area Two Station Precipitation Index

Historical Cumulative Precipitation

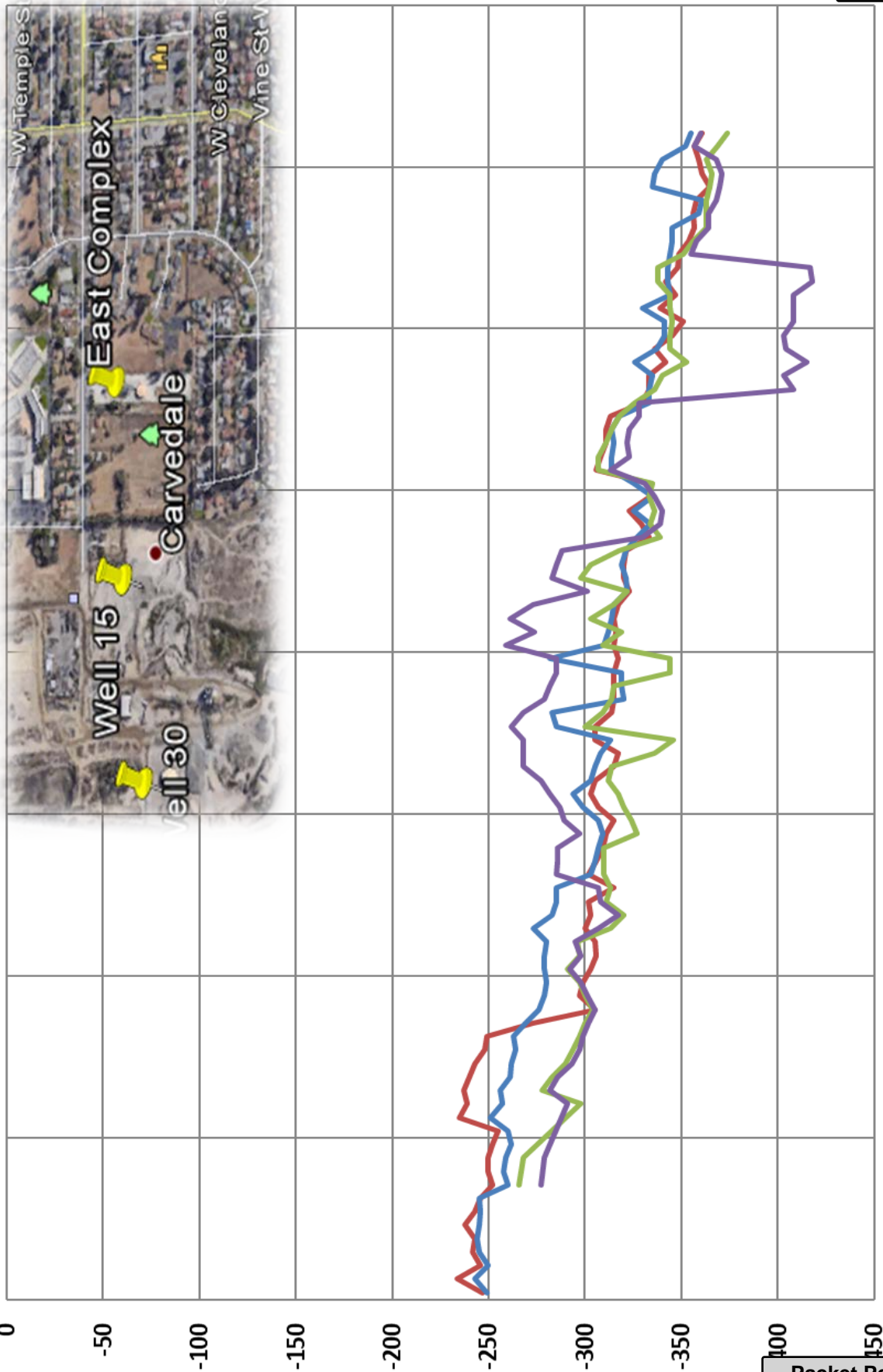


Historical Depth to Groundwater - Lytle Creek Basin

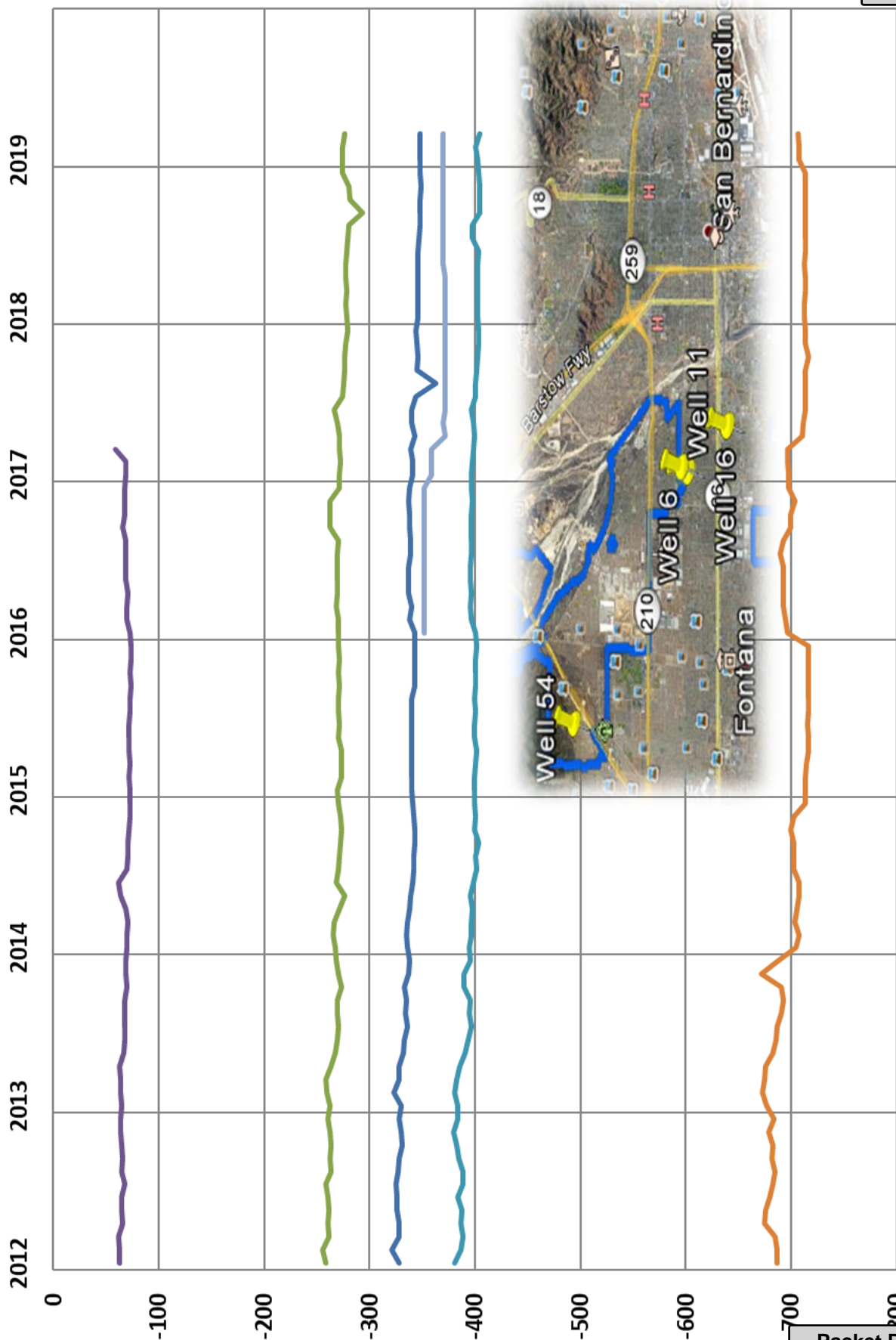


Historical Depth to Groundwater - Bunker Hill Basin

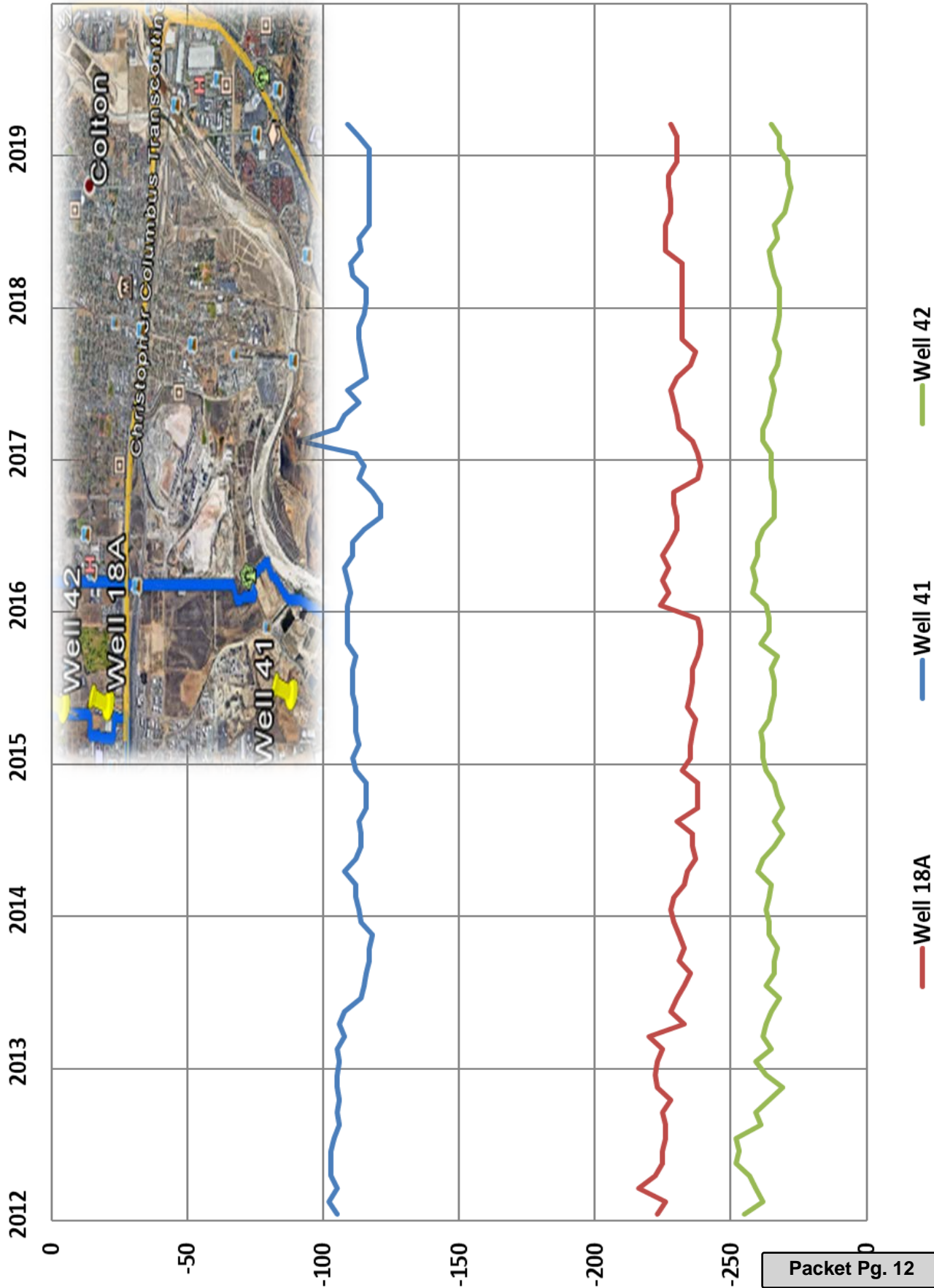
2012 2013 2014 2015 2016 2017 2018 2019



Historical Depth to Groundwater - Rialto Colton Basin



Historical Depth to Groundwater - North Riverside Basin



Historical Depth to Groundwater - Chino Basin

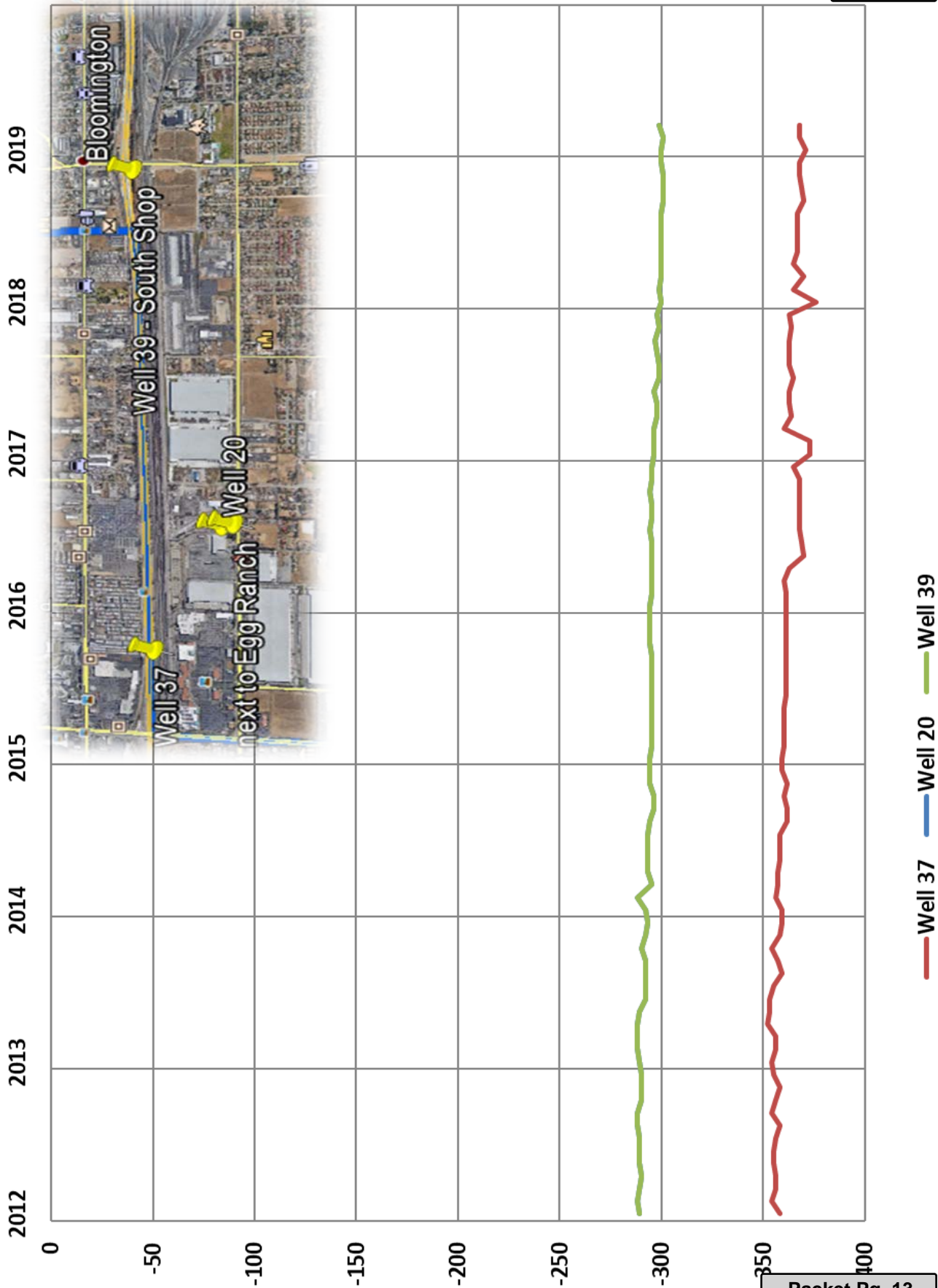
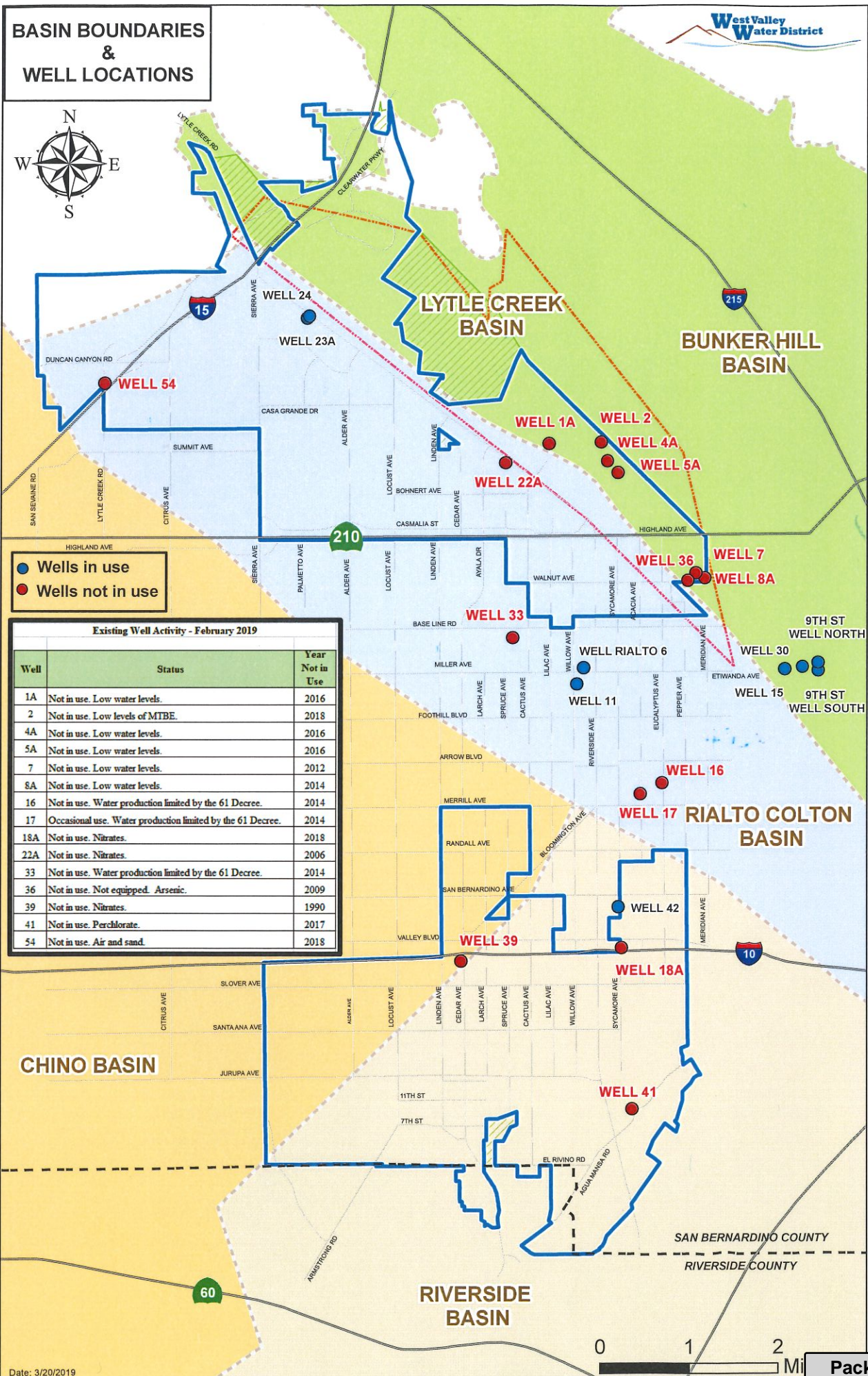


EXHIBIT B



BASIN BOUNDARIES & WELL LOCATIONS



- Wells in use
- Wells not in use

| Existing Well Activity - February 2019 | | |
|--|--|-----------------|
| Well | Status | Year Not in Use |
| 1A | Not in use. Low water levels. | 2016 |
| 2 | Not in use. Low levels of MTBE. | 2018 |
| 4A | Not in use. Low water levels. | 2016 |
| 5A | Not in use. Low water levels. | 2016 |
| 7 | Not in use. Low water levels. | 2012 |
| 8A | Not in use. Low water levels. | 2014 |
| 16 | Not in use. Water production limited by the 61 Decree. | 2014 |
| 17 | Occasional use. Water production limited by the 61 Decree. | 2014 |
| 18A | Not in use. Nitrates. | 2018 |
| 22A | Not in use. Nitrates. | 2006 |
| 33 | Not in use. Water production limited by the 61 Decree. | 2014 |
| 36 | Not in use. Not equipped. Arsenic. | 2009 |
| 39 | Not in use. Nitrates. | 1990 |
| 41 | Not in use. Perchlorate. | 2017 |
| 54 | Not in use. Air and sand. | 2018 |

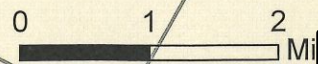


EXHIBIT C

Well Status and Project Update – Revised

| Lytle Creek Basin | | | | | |
|-----------------------|--------------------------|-----------------------------|--|-----------------------|------------------|
| Well | Capacity (Gallon/Minute) | Issue | Project Status | Operation | Project Manager |
| 8A | 2,400 | Water Levels | Candidate for rehabilitation. Tri County Drilling & Pump to provide not-to-exceed cost to pull well pump, brush and bail, conduct video survey, and test pump for well yield. | Yes; summer | Rudy Olguin |
| 7 | 1,300 | Water Levels | Candidate for rehabilitation. Best Drilling and Pump, Inc. to provide not-to-exceed cost to pull well pump, brush and bail, conduct video survey, and test pump for well yield. | Yes; summer | John Martin |
| 2 | 1,400 | Contaminant (MTBE) | Update: Recent rain and flushing have brought the MTBE levels to below the regulated limits. Geoscience Support Services Incorporated conducted well survey. Awaiting final report with recommendations. | Yes; summer | Ernie Montelongo |
| Rialto Colton Basin | | | | | |
| 54 | 1,000 | Entrained Air | Update: Deaeration tank, associated piping and booster pump are being constructed General Pump Company, Superior Tank Company and CSC Engineering & Construction. | Yes; summer | Joe Schaack |
| North Riverside Basin | | | | | |
| 41 | 2,000 | Contaminant (Perchlorate) | Merlin Johnson Construction, Inc. to provide not-to-exceed cost to relocate unused ion exchange vessels to Well 41. Hilltop Geotechnical, Inc. to provide not-to-exceed cost for soil testing. Working with Division of Drinking Water to amend existing permit. | Yes; summer | Rosa Gutierrez |
| Bunker Hill Basin | | | | | |
| 15 | 2,000 | Water Levels; Entrained Air | Candidate for rehabilitation. General Pump Company to provide not-to-exceed cost to pull well pump, brush and bail, conduct video survey, and test pump for well yield. | Yes; summer | Joe Schaack |

Well Status and Project Update

| Lytle Creek Basin | | | | |
|-----------------------|--------------------------|-------------------------------------|---|-------------------------------|
| Well | Capacity (Gallon/Minute) | Issue | Project Update | Operation |
| 1A | 850 | Water Levels | Draw down water levels, which affects nearby wells, such as Wells 4A and 5A. | No |
| 8A | 2,400 | Water Levels | Candidate for rehabilitation. Tri County Drilling & Pump to provide not-to-exceed cost to pull well pump, brush and bail, conduct video survey, and test pump for well yield. | Yes ; summer 2019 |
| 36 | 2,200 | Environmental; Not Equipped | Candidate for equipping. Tom Dodson & Associates to provide not-to-exceed cost to obtain all required environmental permits. | No |
| 2 | 1,400 | Contaminant (MTBE) | Recent rain and flushing have brought the MTBE levels to below the regulated limits. | Yes |
| 4A | 2,400 | Recovered | Capacity has been restored due to recent rain. | Yes |
| 5A | 1,300 | Water Levels | Pump inlet setting already close to the bottom of the well. | No |
| 7 | 1,300 | Water Levels | Candidate for rehabilitation. Best Drilling and Pump, Inc. to provide not-to-exceed cost to pull well pump, brush and bail, conduct video survey, and test pump for well yield. | Yes ; summer 2019 |
| Rialto Colton Basin | | | | |
| 16 | 2,000 | Water Rights | Water rights are reserved for Well 54 in Fontana and Rialto Well 6 for FBR first. | Yes ; intermittently |
| 17 | 2,000 | Water Rights | Water rights are reserved for Well 54 in Fontana and Rialto Well 6 for FBR first. | Yes ; intermittently |
| 22A | 2,000 | Contaminant (Nitrate) | Detected nitrate due to a septic system from a school nearby. Staff will work with school to obtain potential grants to connect its system into the sewer and stop discharging to the ground. | No |
| 33 | 2,500 | Water Rights; Contaminant | Water rights are reserved for Well 54 in Fontana and Rialto Well 6 for FBR first. Detected low levels of perchlorate. | No |
| 54 | 1,000 | Entrained Air | Deaeration tank and associated piping are being constructed. | Yes ; summer 2019 |
| North Riverside Basin | | | | |
| 41 | 2,000 | Contaminant (Perchlorate) | Relocating unused ion exchange vessels to Well 41. Working with Division of Drinking Water to amend existing permit. | Yes ; summer 2019 |
| 18A | 1,800 | Contaminant (Nitrate) | Detected nitrate. Received 2 proposals. Bio-mediation at \$10M; and Ion Exchange (IX) at \$1.5M plus extra cost for brine, IX waste, handling at \$750K/year. Staff came up with an idea to bend the nitrate down with Zone 3A flow. Reached out to DDW for approval. | Possible ; summer 2019 |
| Chino Basin | | | | |
| 39 | 3,000 | Contaminant (Nitrate); Not Equipped | Detected nitrate and limited water rights. Soliciting grants for source treatment. Layne Christensen Company to provide not-to-exceed cost to conduct pump test and provide budgetary estimate for source treatment. | No |
| Bunker Hill Basin | | | | |
| 15 | 2,000 | Water Levels; Entrained Air | Candidate for rehabilitation. General Pump Company to provide not-to-exceed cost to pull well pump, brush and bail, conduct video survey, and test pump for well yield. | Yes ; summer 2019 |