RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES **DATE:** April 8, 2019

GENERAL MANAGER'S REPORT

ITEM NO:

SUBJECT: MONTHLY WATER REPORT – FEBRUARY 2019

In February, RPU's total water production was 3,150 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In February, the peak water usage on the potable water distribution system was 37.5 million gallons per day (MGD) and occurred on February 1, 2019 as shown on Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), totaled 2,976.5 AF, which decreased from last February by 2,058 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 385 AF of potable water was delivered to WMWD as shown in Figures 1 and 2.

In February, RPU's Gallons Per-Capita Per Day (GPCD) was 92, and its Residential Gallons Per-Capita Per Day (R-GPCD) was 53 gallons. RPU's annual rolling GPCD was 182, which is below the compliance target specified in SB X7-7 (i.e. 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 108.

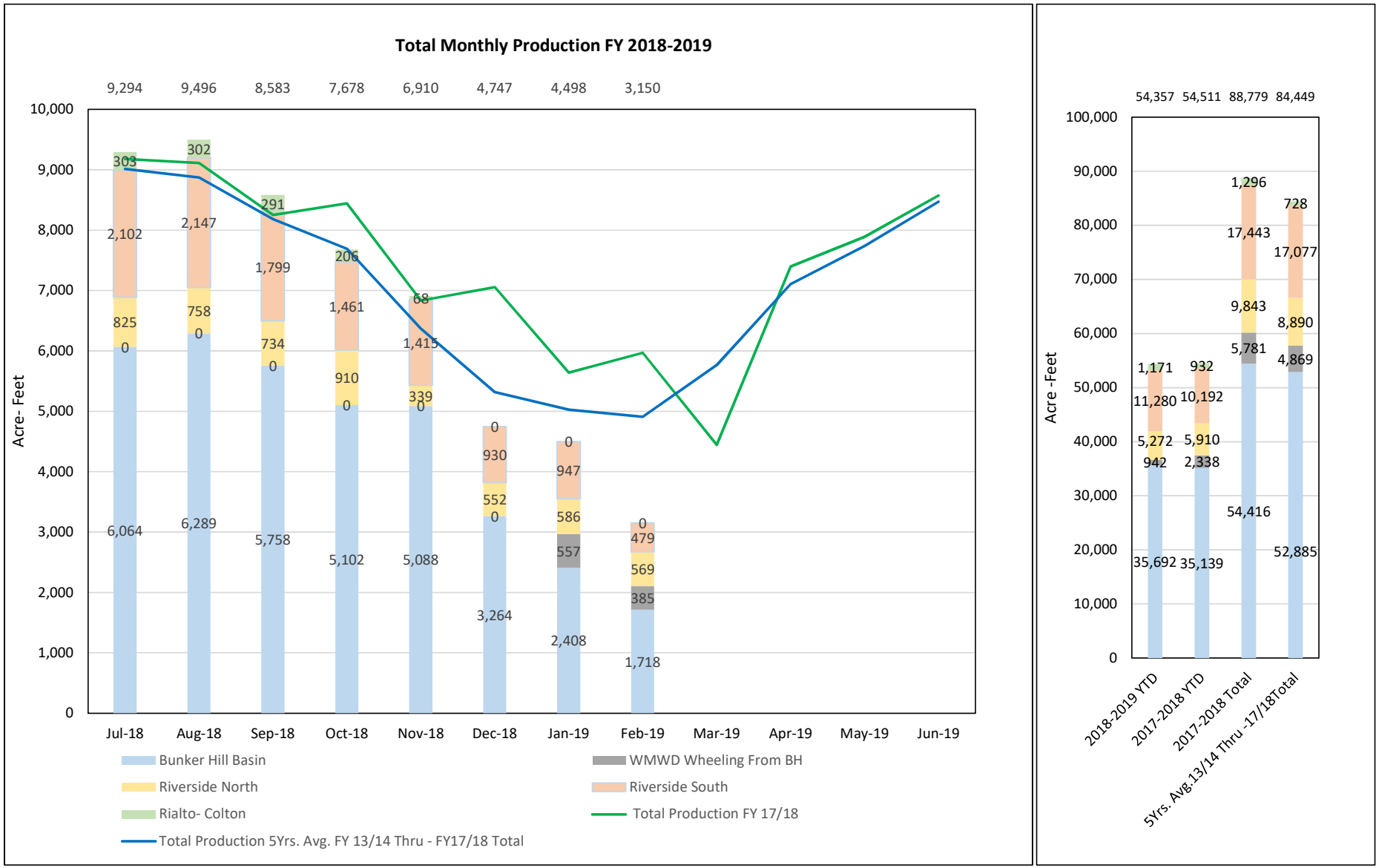
Weather conditions within the City of Riverside showed that February of 2019 was cooler by 8.6 degrees from February last year and experienced 4.76 inches of rainfall compared to 0.3 inches from February 2018.

There were no significant events for the water system in February 2019.

Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Rialto-Colton, and Riverside North basins are continuing to show a long-term declining trend, while groundwater levels in the Riverside South Basin remain relatively stable as shown in Figure 5. Water levels in Bunker Hill are 3 feet lower as compared to February of last year. Water levels in the Rialto-Colton Basin are about the same level as they were in February of last year, while in the Riverside North Basin; water levels have increased by 10 feet compared to February of last year. This increase is the result of recharge occurring within the Santa Ana River generated by recent rains. Water levels in the Riverside South Basin are 1 foot higher as compared to February of last year.

FIGURE 1: RPU WATER - TOTAL PRODUCTION REPORT- FISCAL YEAR 2018 -2019



February 2019

FIGURE 2: RPU WATER - TOTAL PRODUCTION REPORT - CALENDAR YEAR 2019

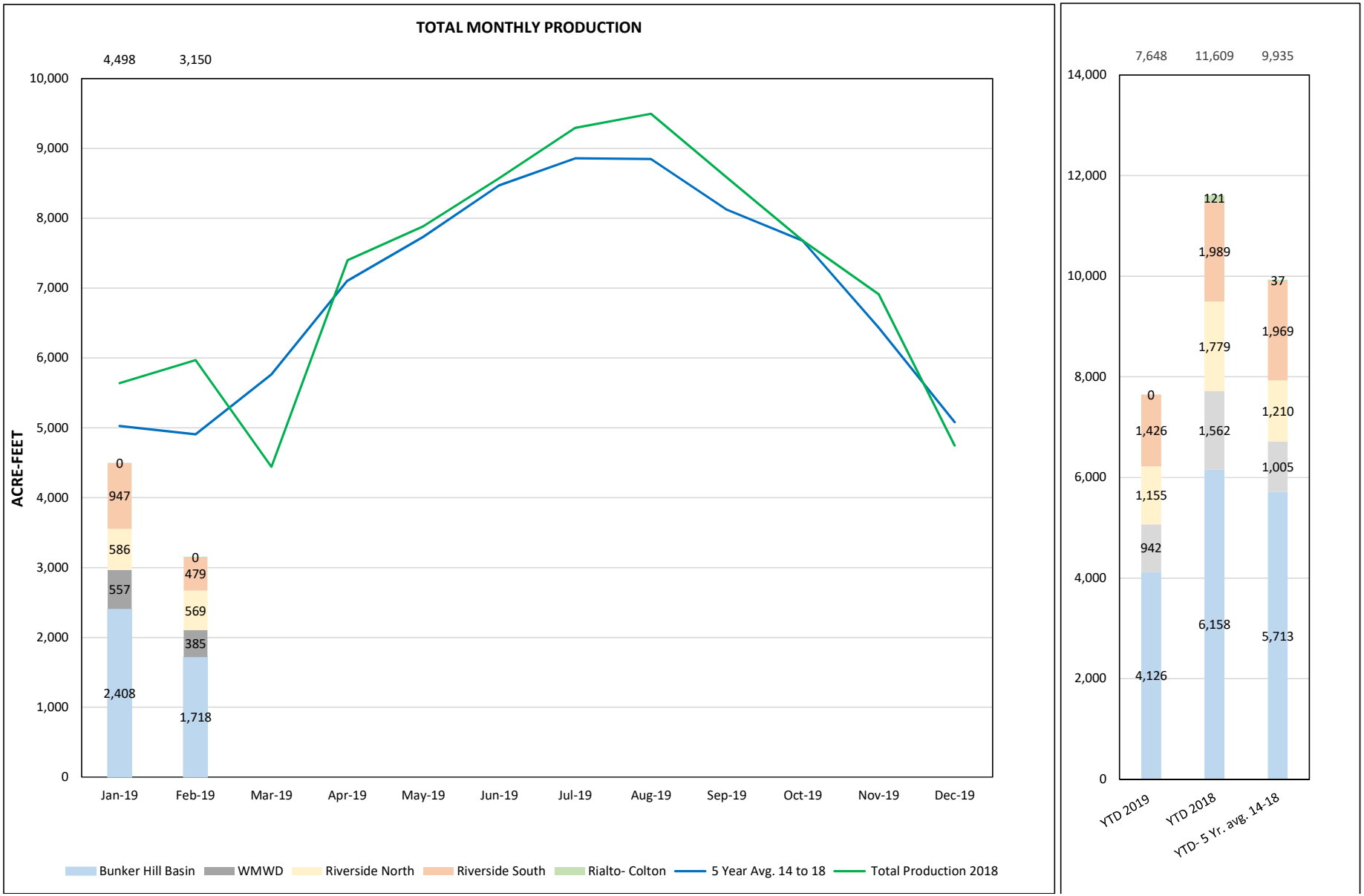
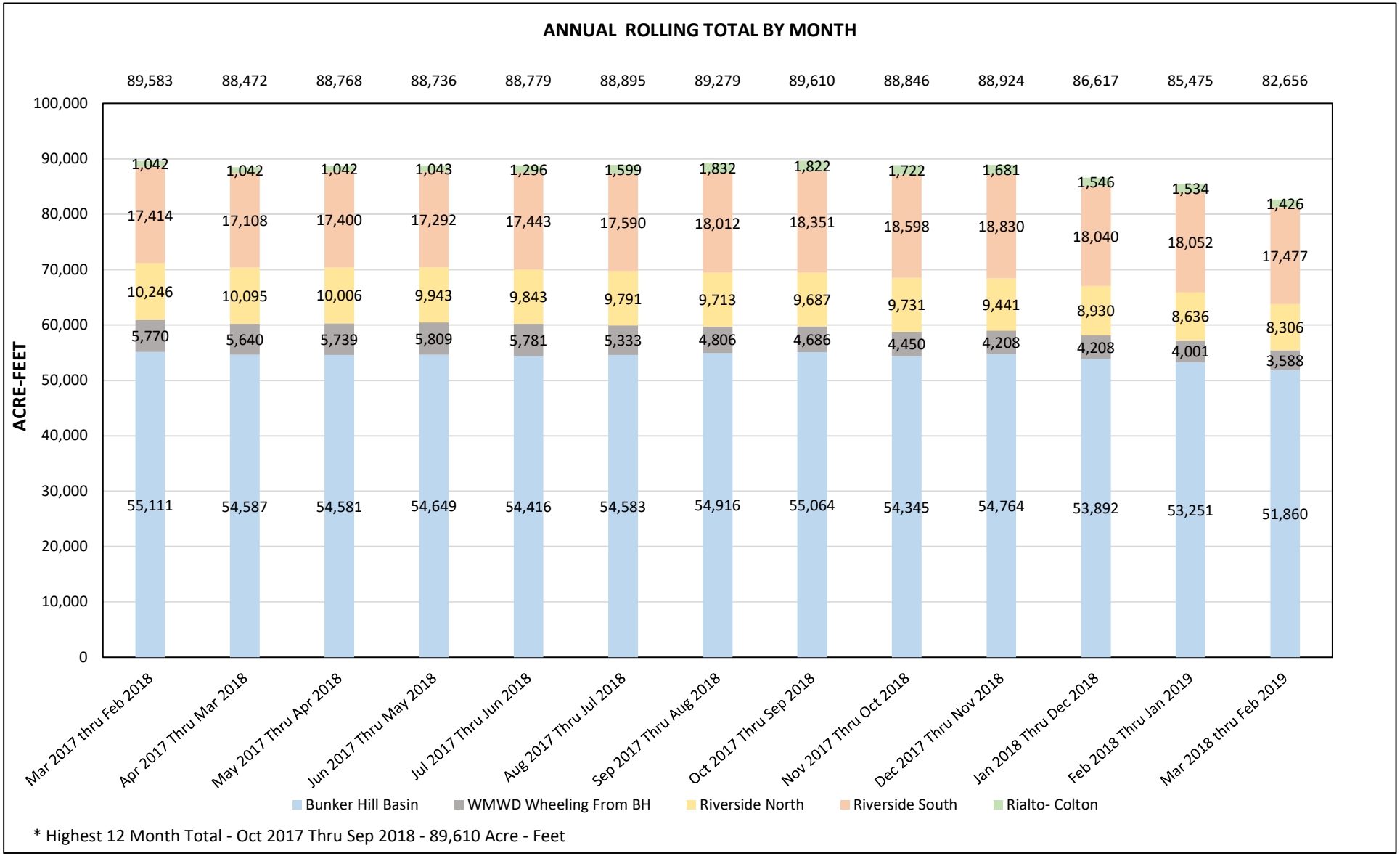


FIGURE 3: RPU WATER - TOTAL PRODUCTION REPORT



* Highest 12 Month Total - Oct 2017 Thru Sep 2018 - 89,610 Acre - Feet

FIGURE 4: RPU WATER- TOTAL MONTHLY CONSUMPTION REPORT

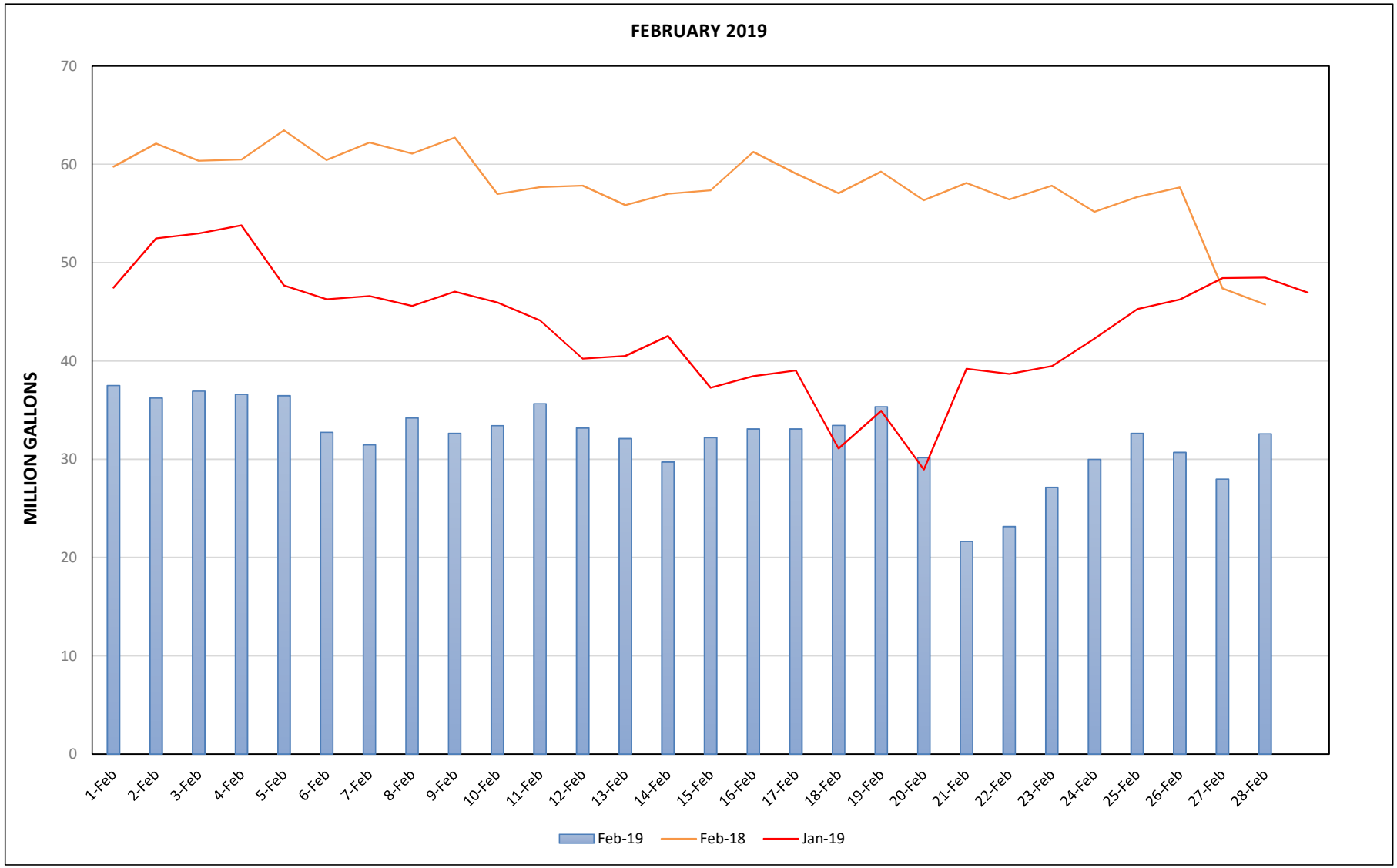
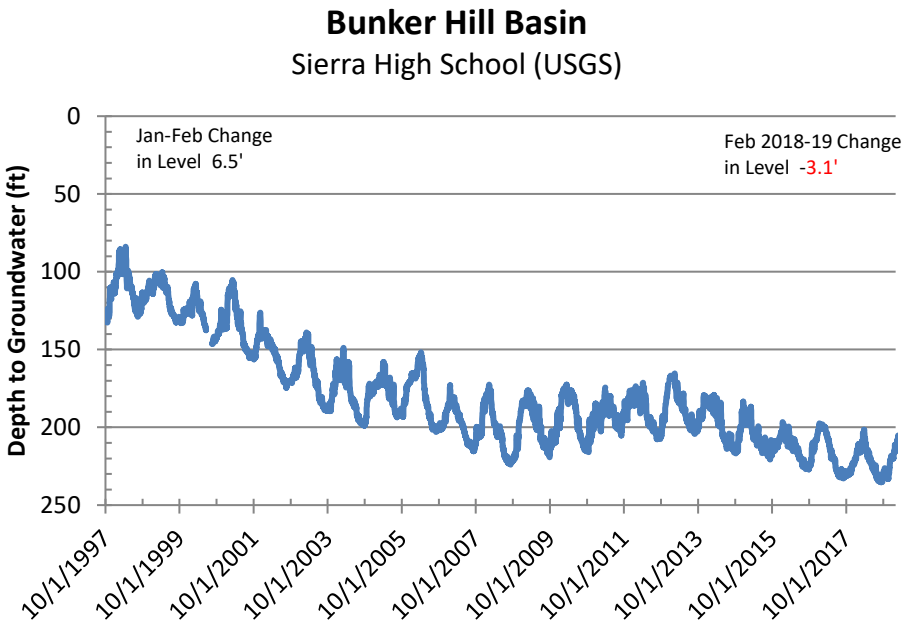
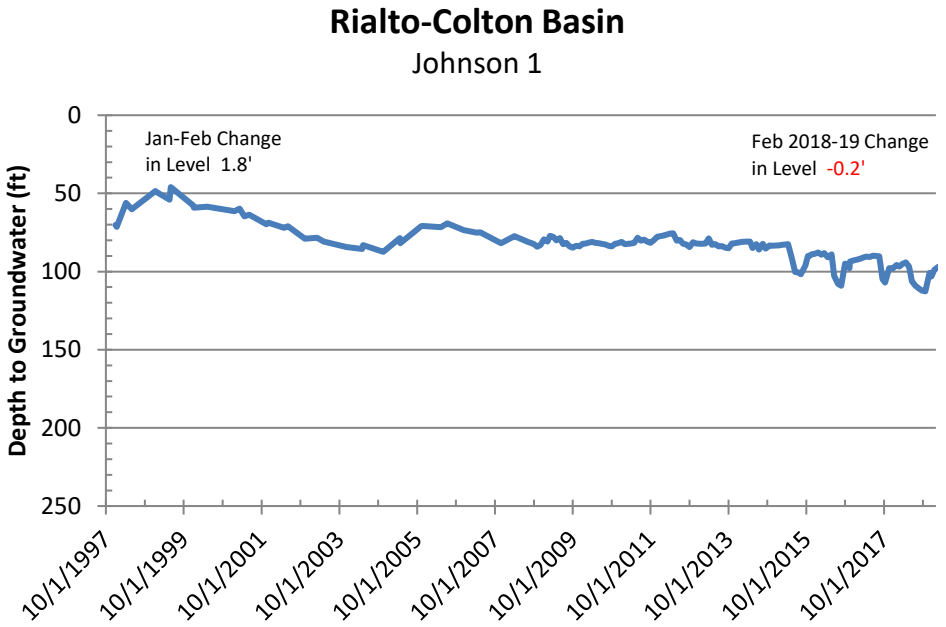
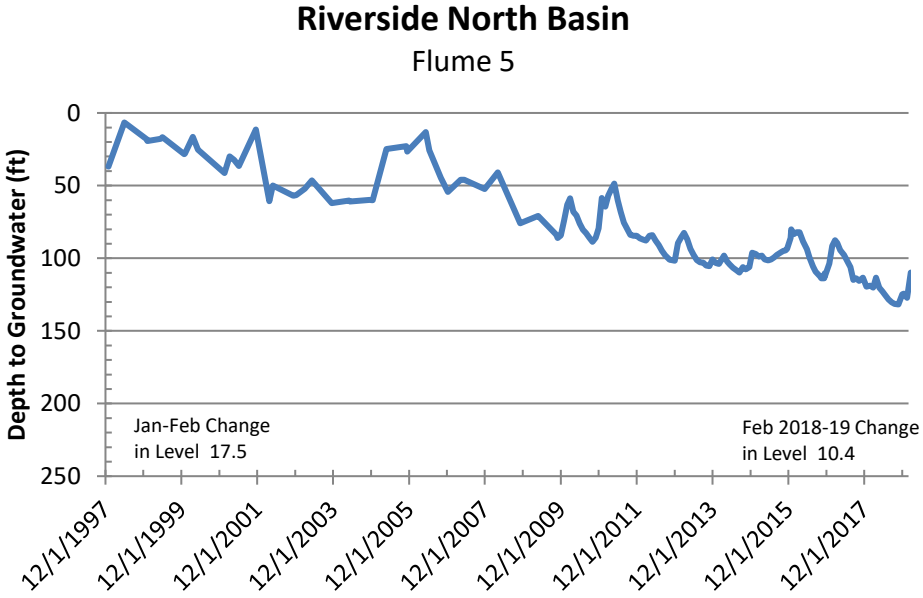
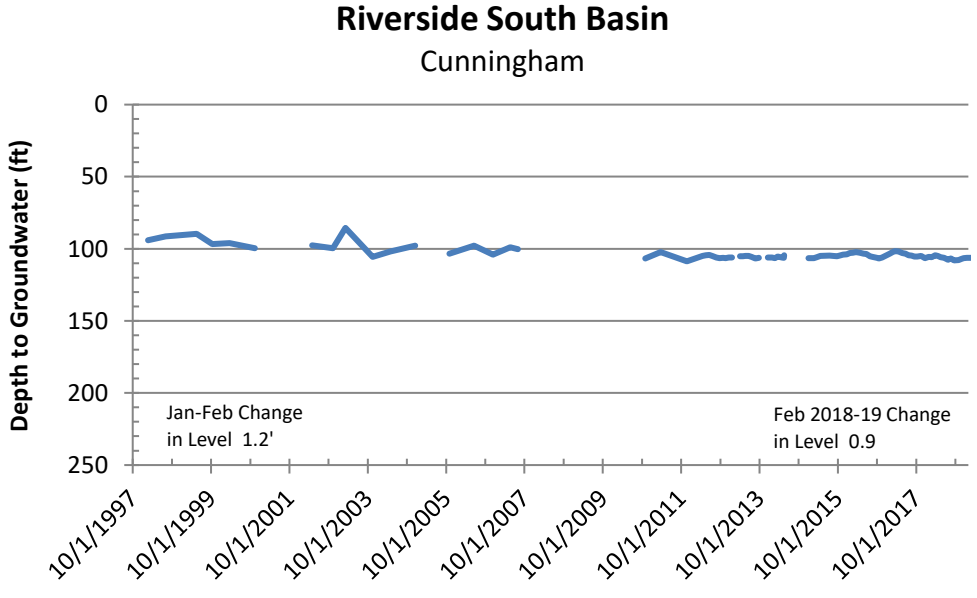


Figure 5: Basin Groundwater Levels



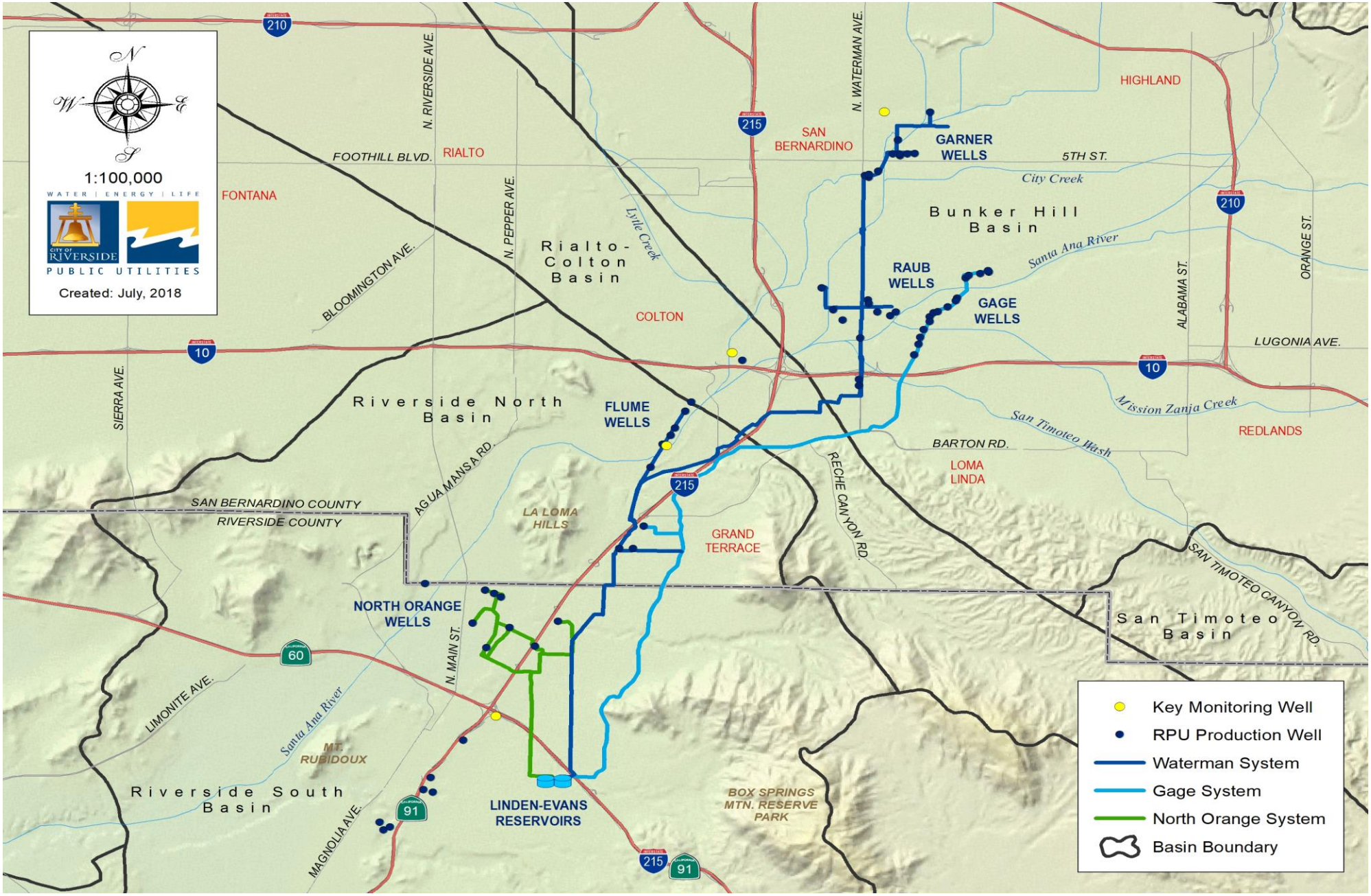






February 2019

Figure 6: Groundwater Basin Vicinity Map



February 2019