

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: October 28, 2019

GENERAL MANAGER'S REPORT

ITEM NO: 16

SUBJECT: MONTHLY WATER REPORT – August 2019

In August, RPU's total water production was 9,224 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In August, the peak water usage on the potable water distribution system was 89.7 million gallons per day (MGD) and occurred on August 22, 2019 as shown on Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), totaled 7,653 AF, which decreased from last August by 265 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 527 AF of potable water was wheeled to WMWD during August as shown in Figures 1 and 2. During this 2019 Calendar year, 4,240 AF of potable water has been wheeled to WMWD.

In August, RPU's Gallons Per-Capita per Day (GPCD) was 240, and its Residential Gallons Per-Capita per Day (R-GPCD) was 143. RPU's annual rolling GPCD was 173, 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 101 as shown on Figure 5.

Weather conditions within the City of Riverside showed that August of 2019 was warmer by 0.74 degrees from August last year and experienced no change of rainfall compared to last year.

There were no significant events for the water system in August 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 6. Water levels increased by 3 feet in the Bunker Hill Basin and 12 feet in the Rialto-Colton Basin as compared to August of last year. Water levels increased by 10 feet in the Riverside North Basin and 3 feet in the Riverside South Basin as compared to August of last year.

FIGURE 1: RPU WATER - TOTAL PRODUCTION REPORT- FISCAL YEAR 2019 -2020

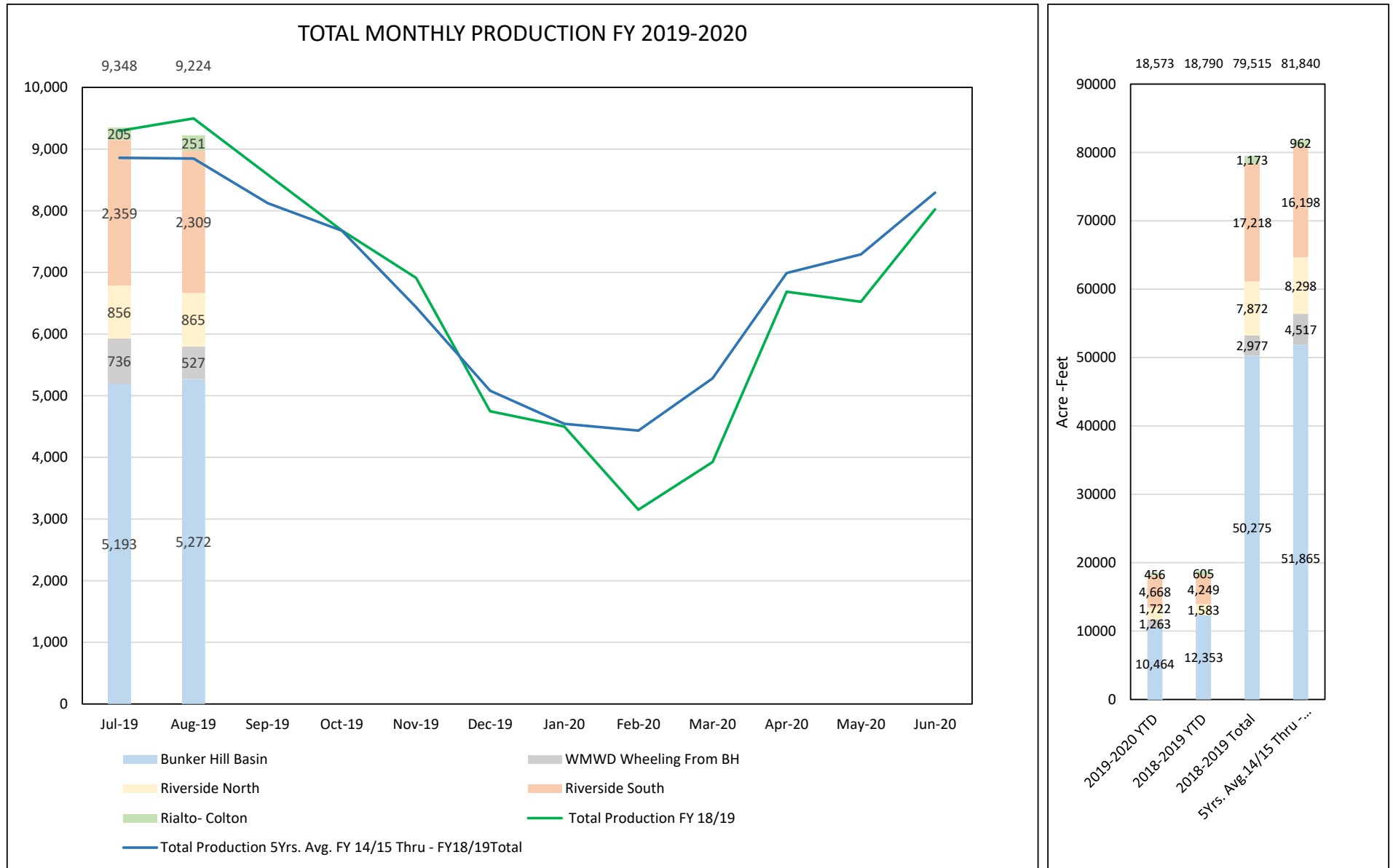


FIGURE 2: RPU WATER - TOTAL PRODUCTION REPORT - CALENDAR YEAR 2019

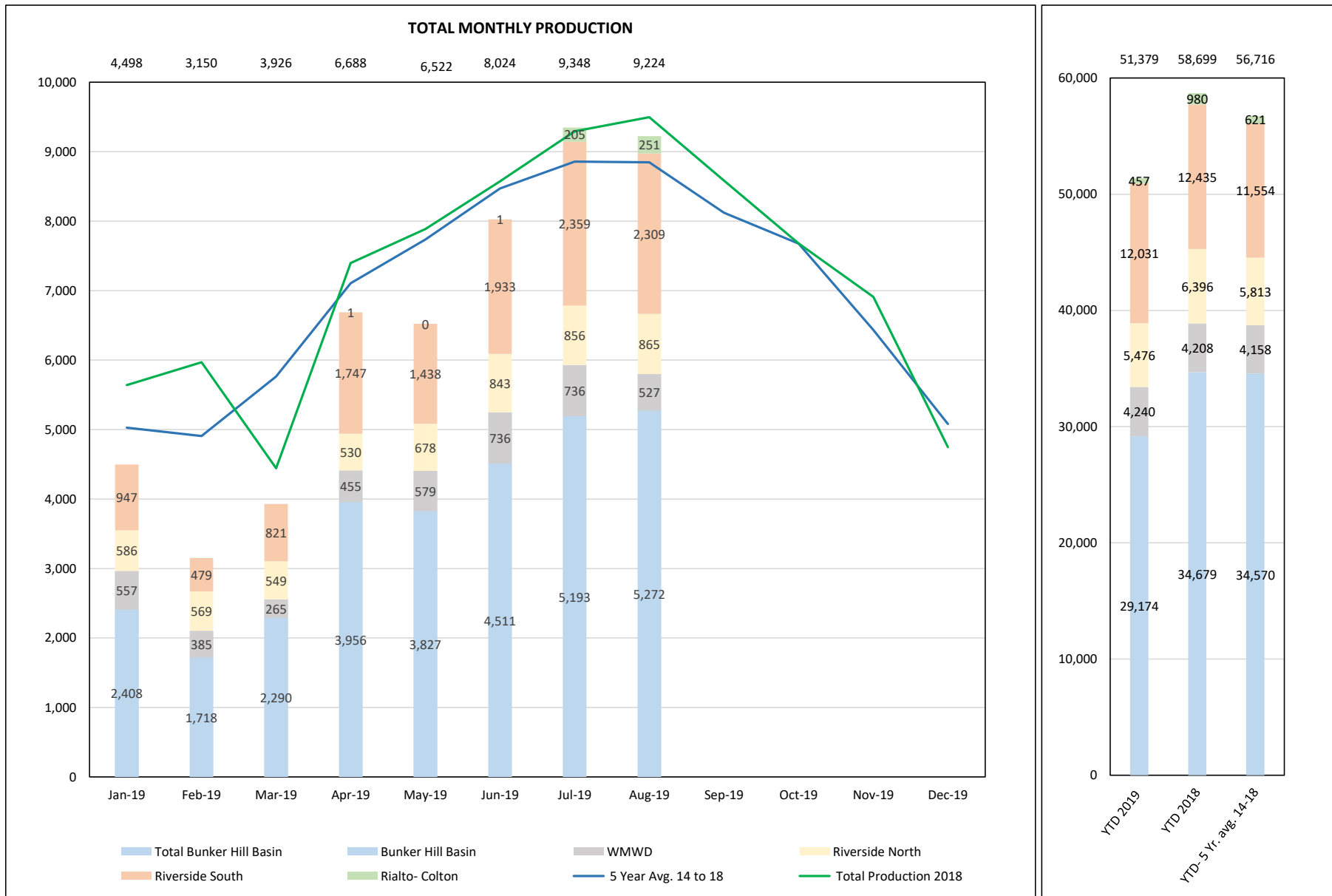


FIGURE 3: RPU WATER - TOTAL PRODUCTION REPORT

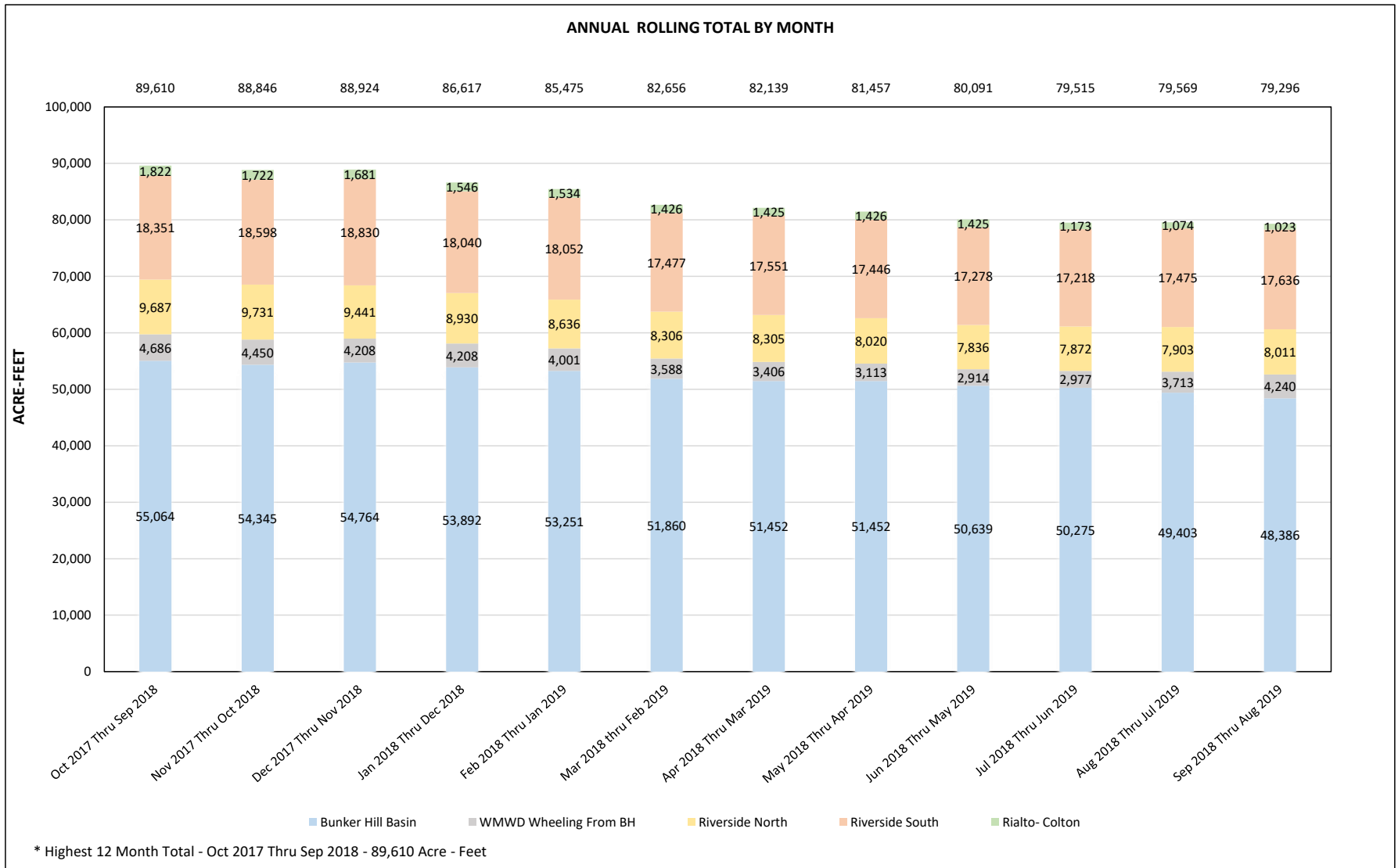


FIGURE 4: RPU WATER- TOTAL MONTHLY CONSUMPTION REPORT

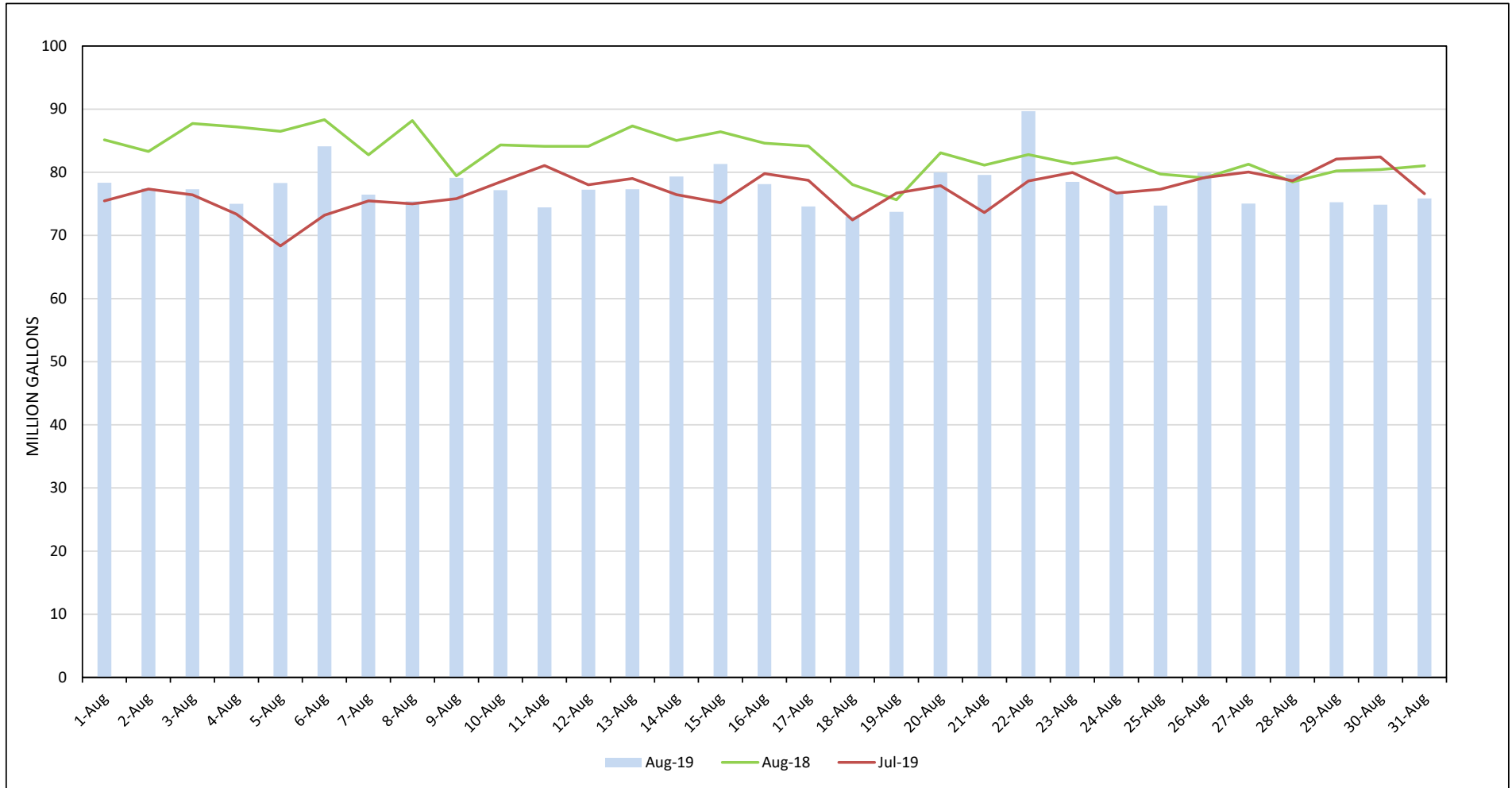


FIGURE 5: RPU WATER - TOTAL GPCD AND R- GPCD ANNUAL ROLLING

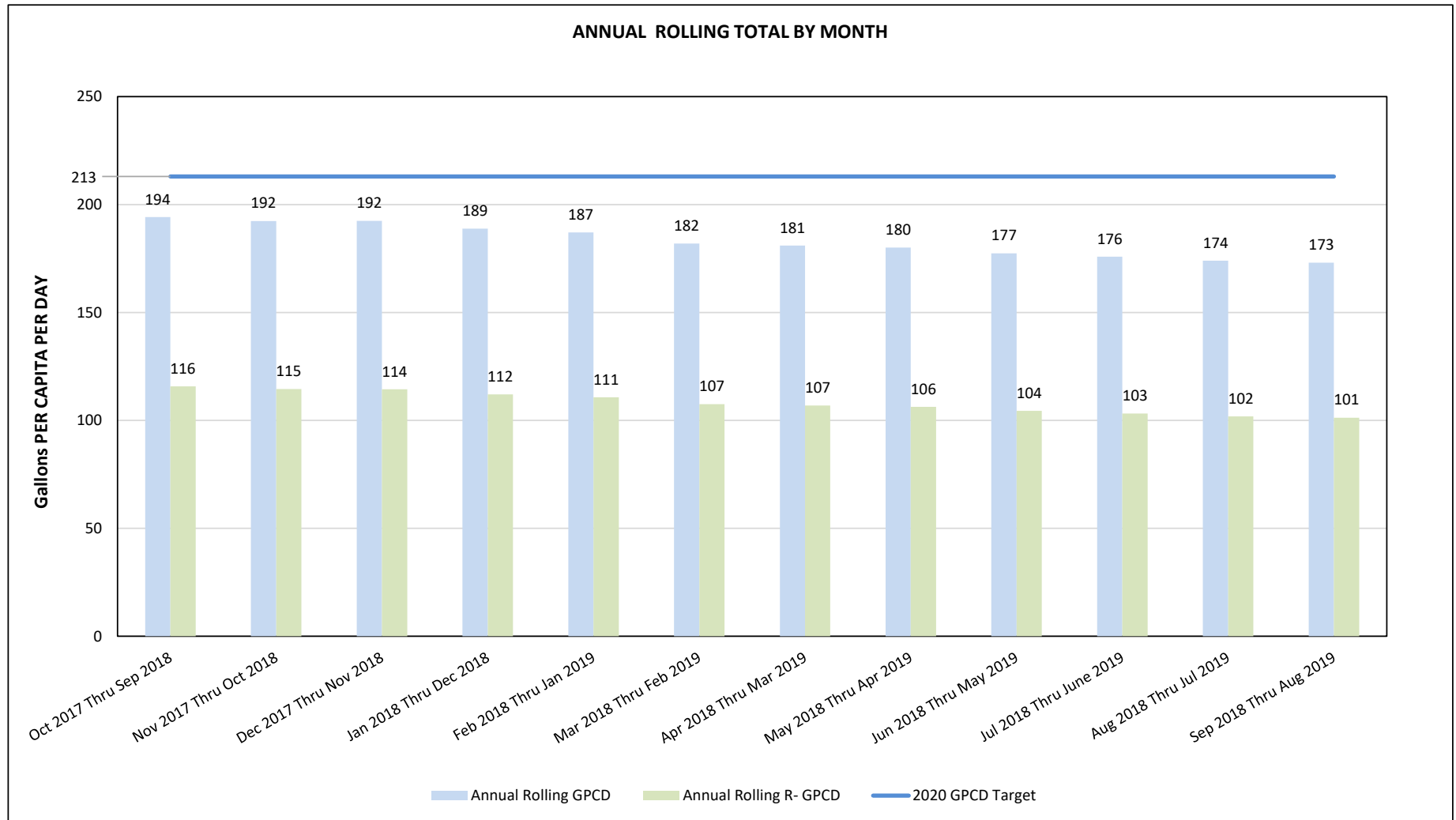
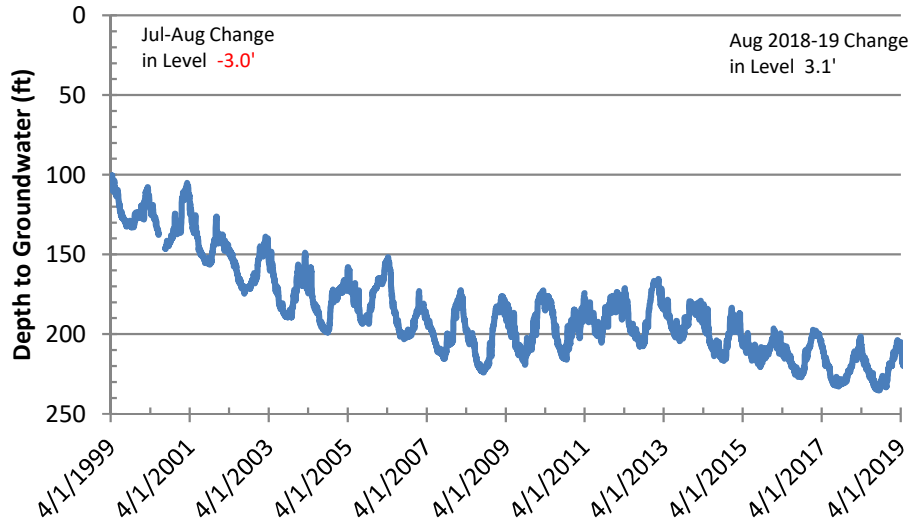


Figure 6: Basin Groundwater Levels

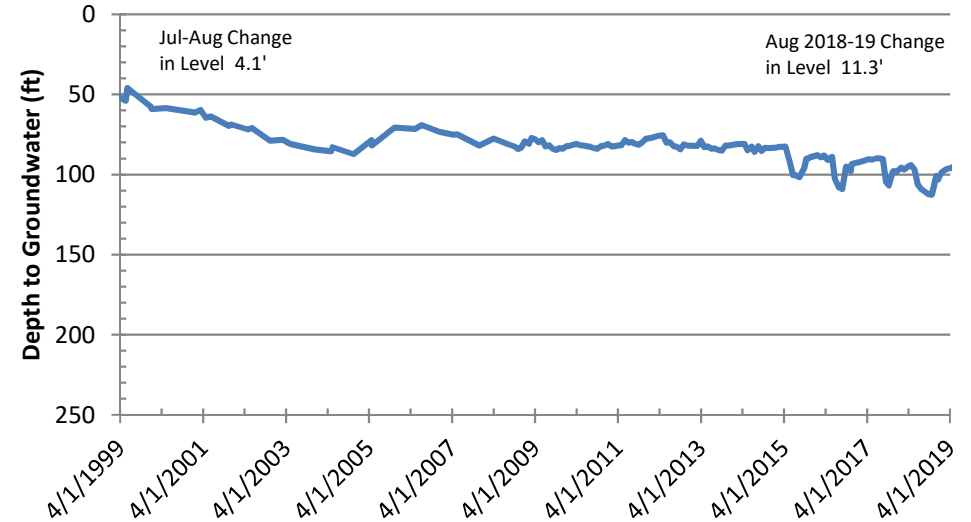
Bunker Hill Basin

Sierra High School (USGS)



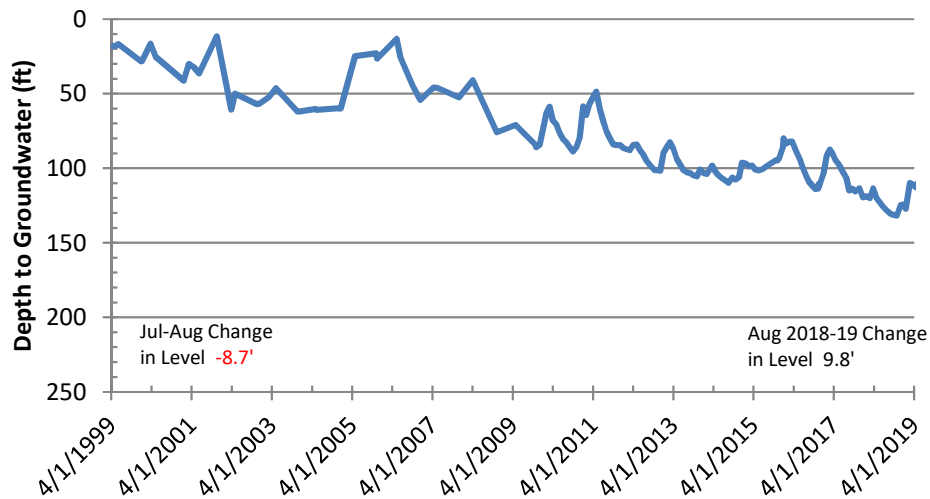
Rialto-Colton Basin

Johnson 1



Riverside North Basin

Flume 5



Riverside South Basin

Cunningham

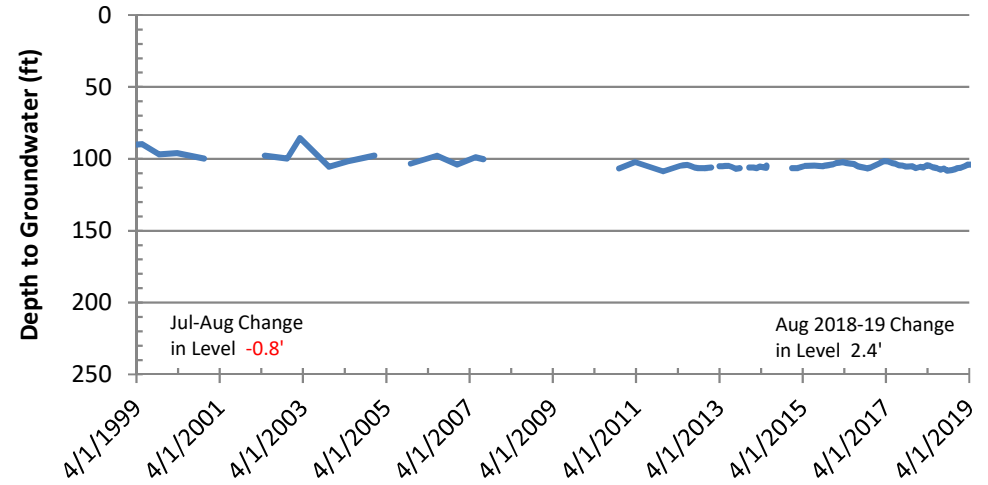


Figure 7: Groundwater Basin Vicinity Map

