



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: September 9, 2019

GENERAL MANAGER'S REPORT

ITEM NO: 13

SUBJECT: MONTHLY WATER REPORT – July 2019

In July, RPU's total water production was 9,348 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In July, the peak water usage on the potable water distribution system was 82.4 million gallons per day (MGD) and occurred on July 30, 2019 as shown on Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), totaled 7,613 AF, which decreased from last July by 134 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 736 AF of potable water was wheeled to WMWD during July as shown in Figures 1 and 2. During this 2019 Calendar year, 3,713 AF of potable water has been wheeled to WMWD.

In July, RPU's Gallons Per-Capita per Day (GPCD) was 232, and its Residential Gallons Per-Capita per Day (R-GPCD) was 138. RPU's annual rolling GPCD was 174, 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 102 as shown on Figure 5.

Weather conditions within the City of Riverside showed that July of 2019 was cooler by 4.3 degrees from July last year and experienced 0.04 inch of rainfall decrease compared to last year.

There were no significant events for the water system in July 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 2 feet in the Bunker Hill Basin and 6 feet in the Rialto-Colton Basin as compared to July of last year. Water levels increased by 17 feet in the Riverside North Basin and 4 feet in the Riverside South Basin as compared to July of last year.

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

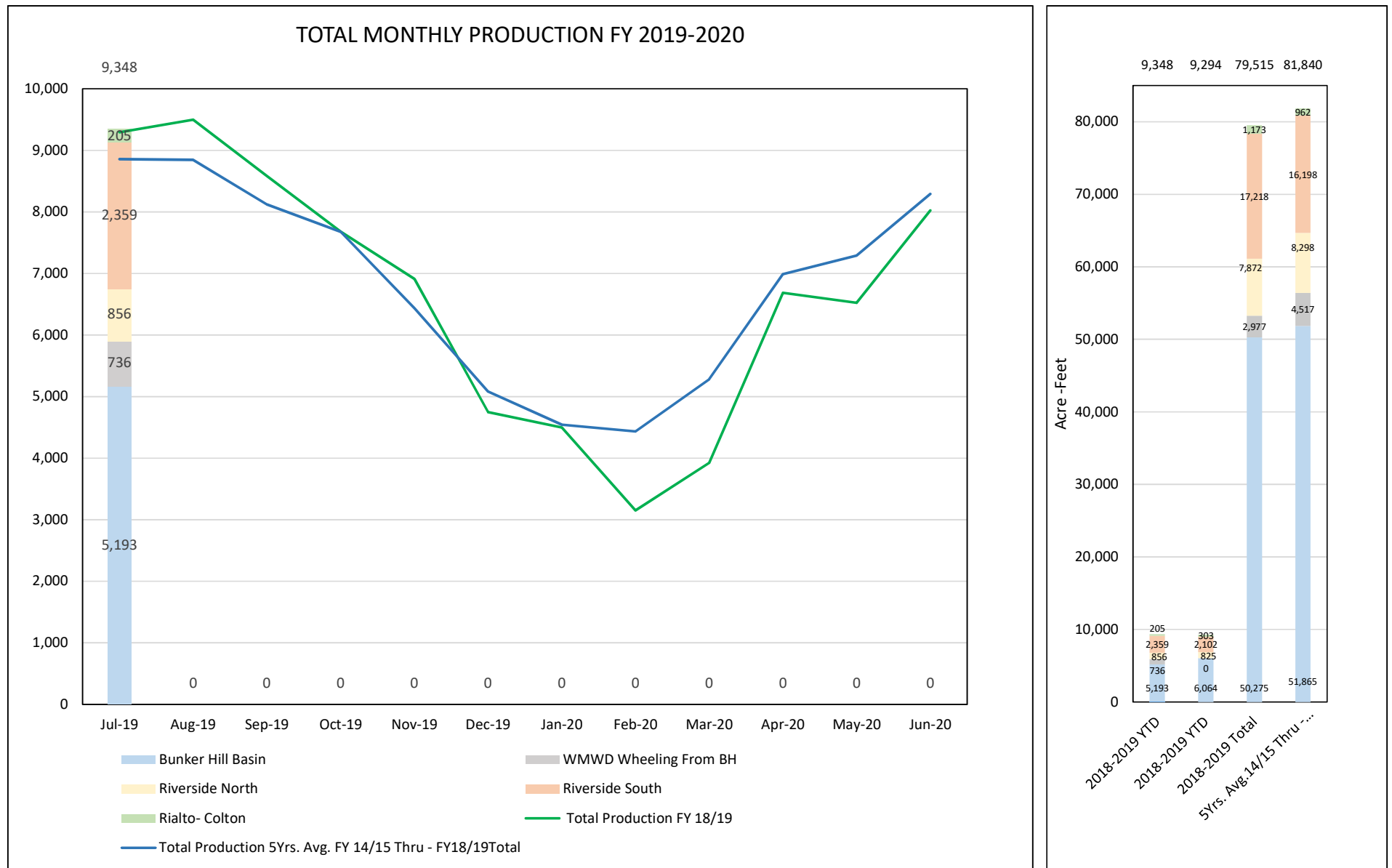


FIGURE 2: RPU WATER - TOTAL PRODUCTION REPORT - CALENDAR YEAR 2019

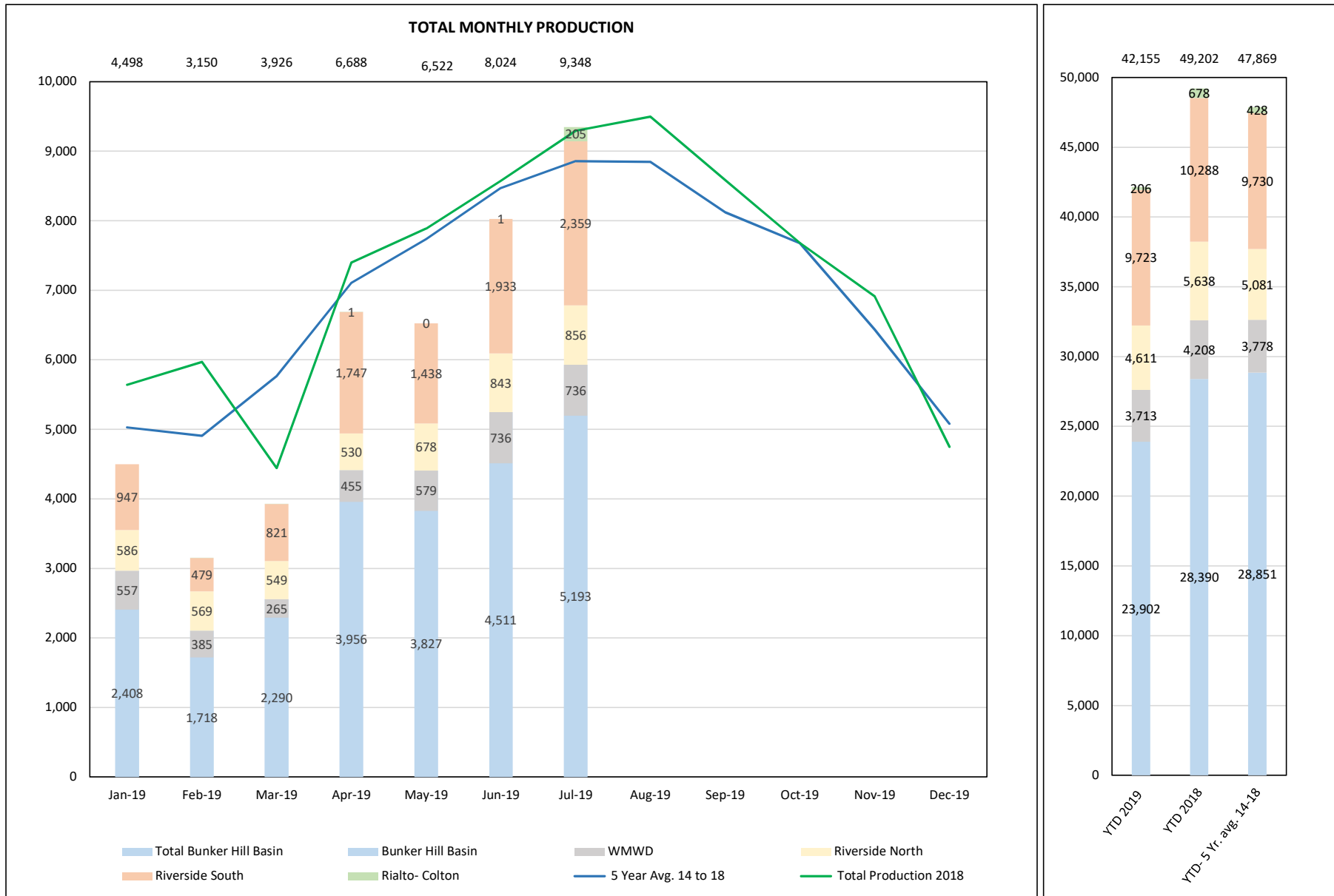


FIGURE 3: RPU WATER - TOTAL PRODUCTION REPORT

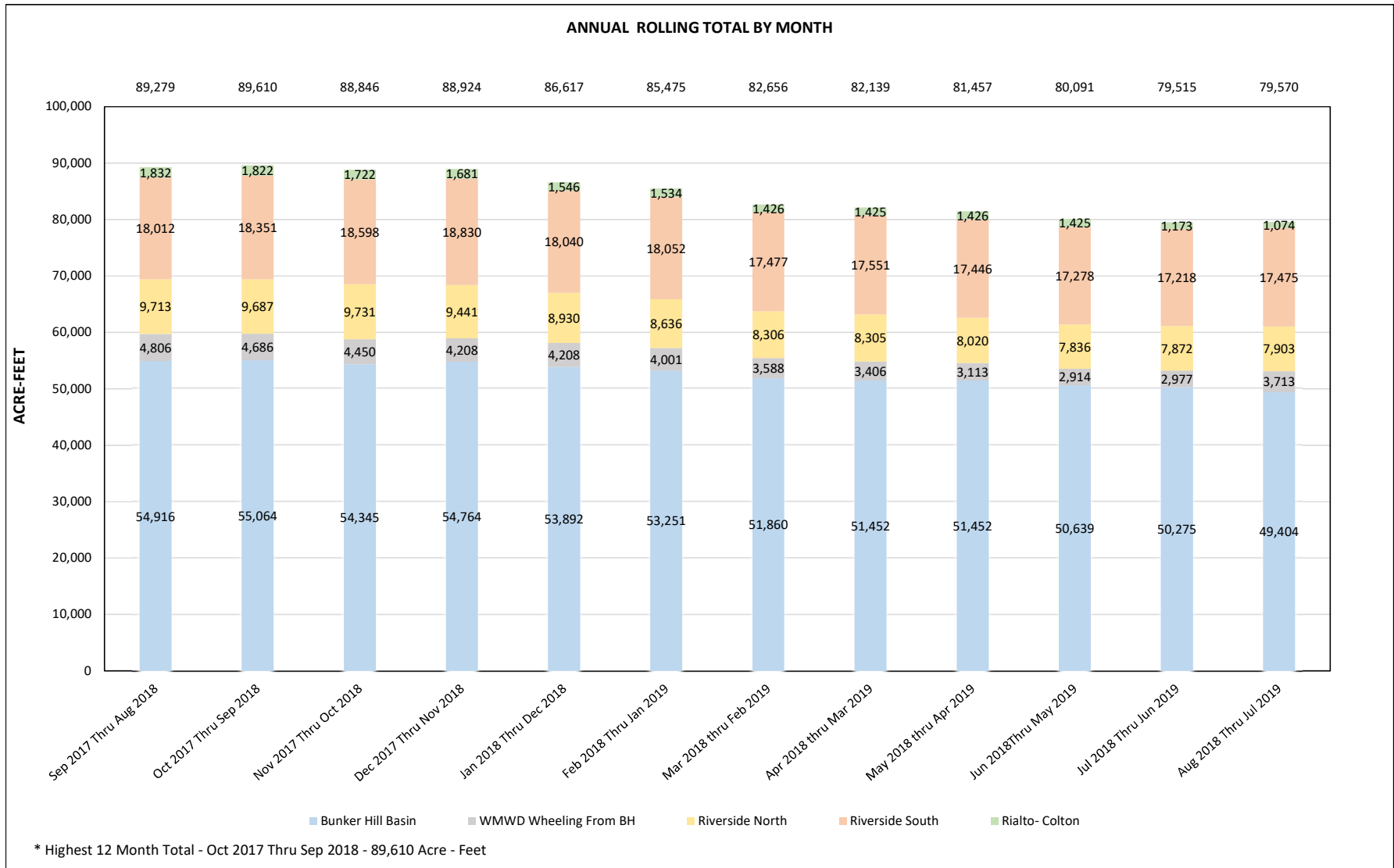


FIGURE 4: RPU WATER- TOTAL MONTHLY CONSUMPTION REPORT

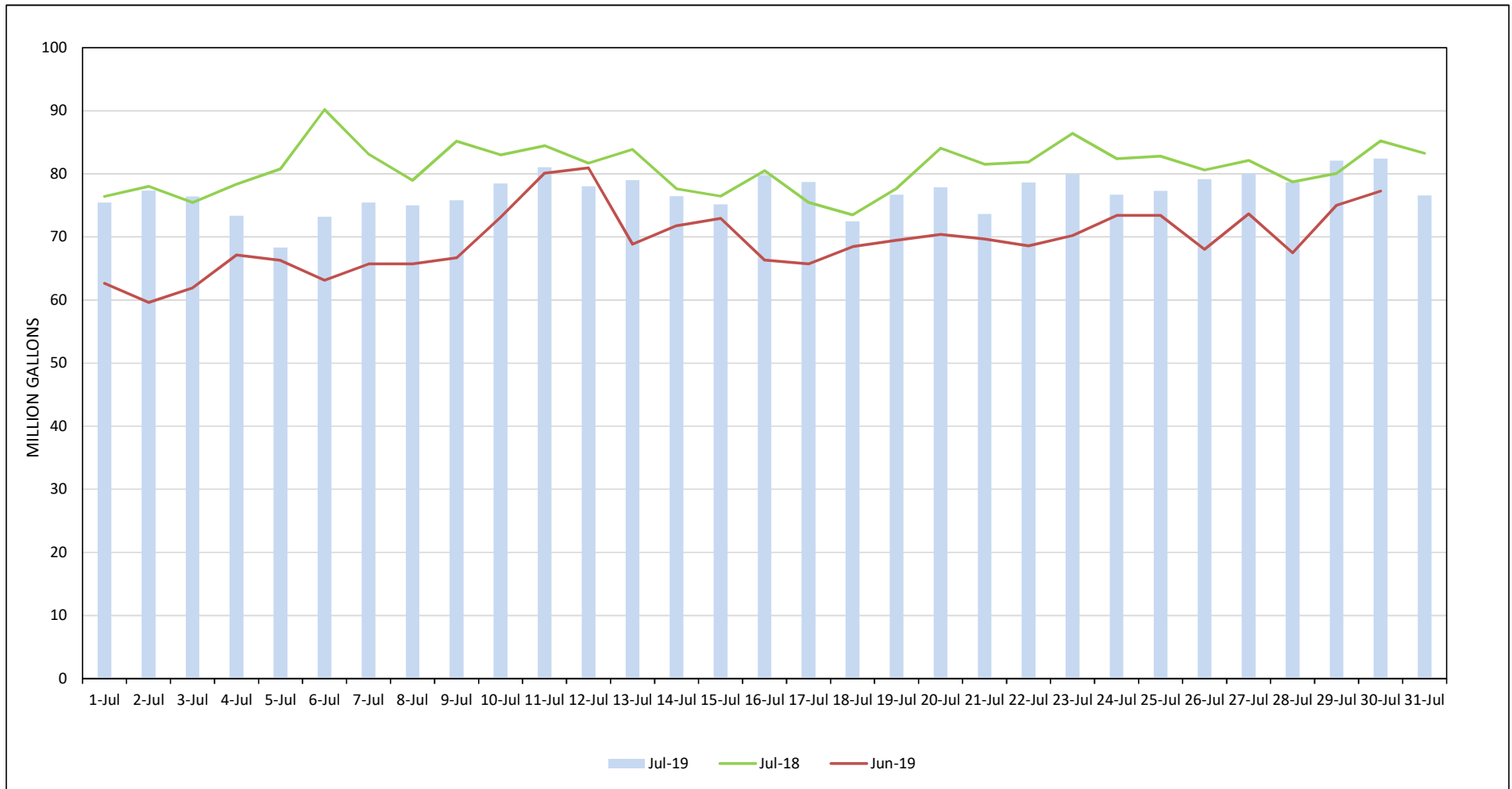


FIGURE 5: RPU WATER - TOTAL GPCD AND R- GPCD ANNUAL ROLLING

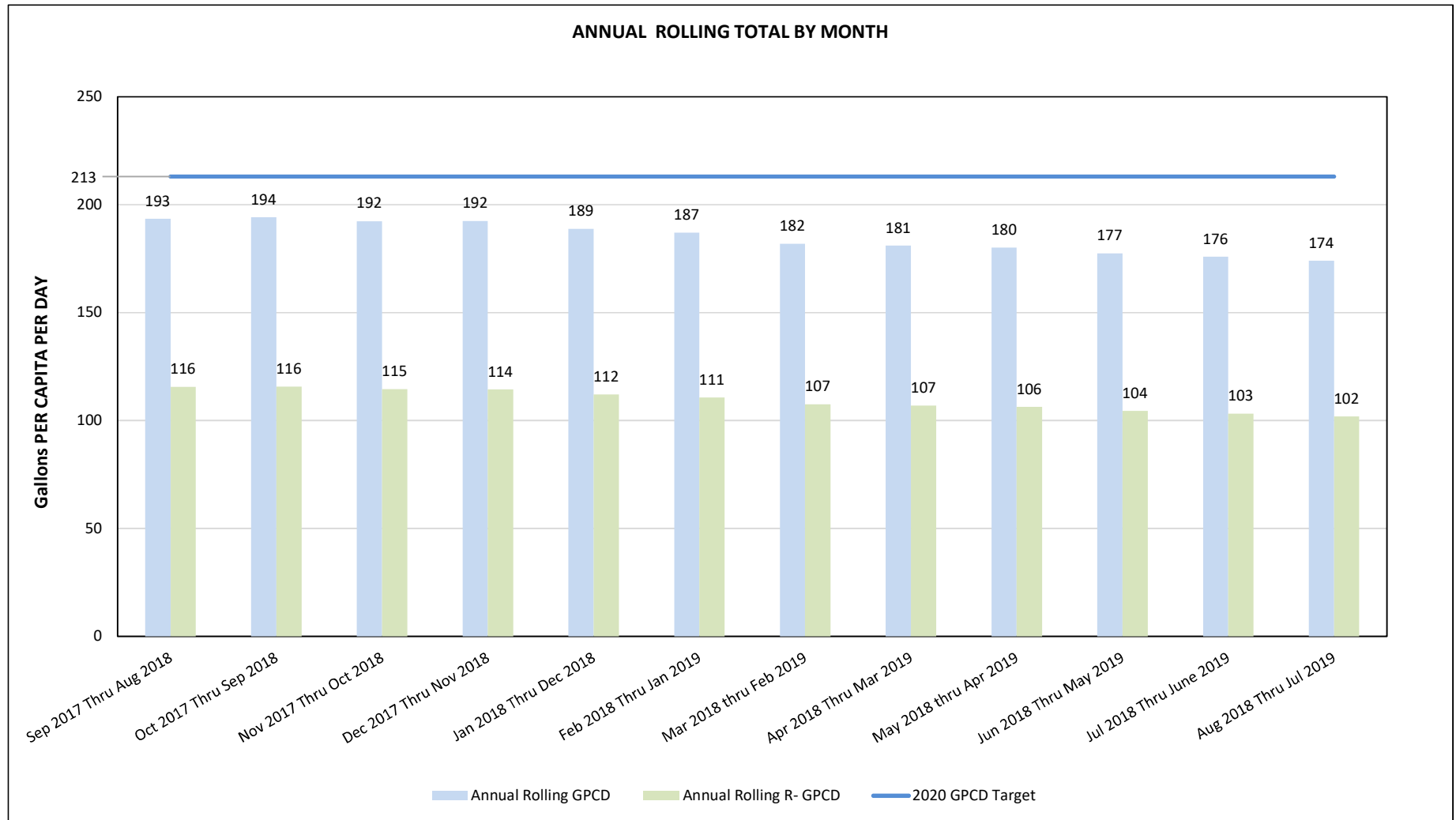
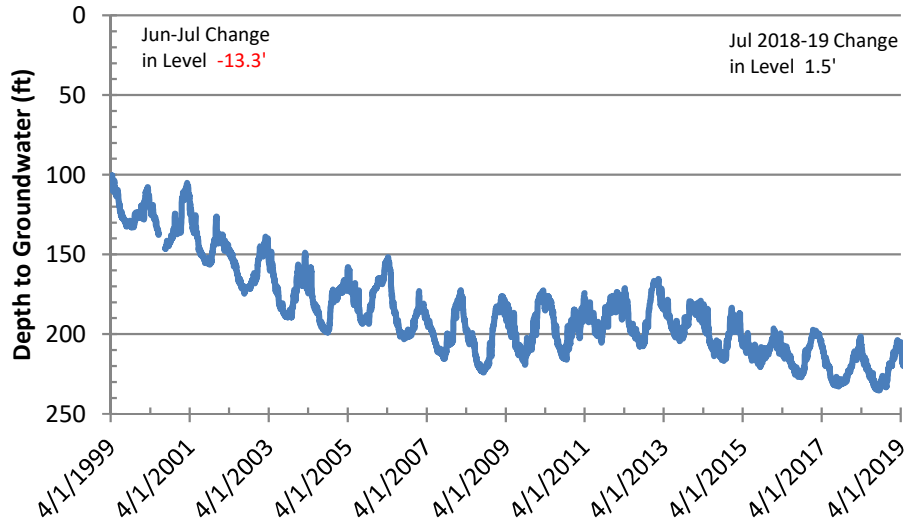
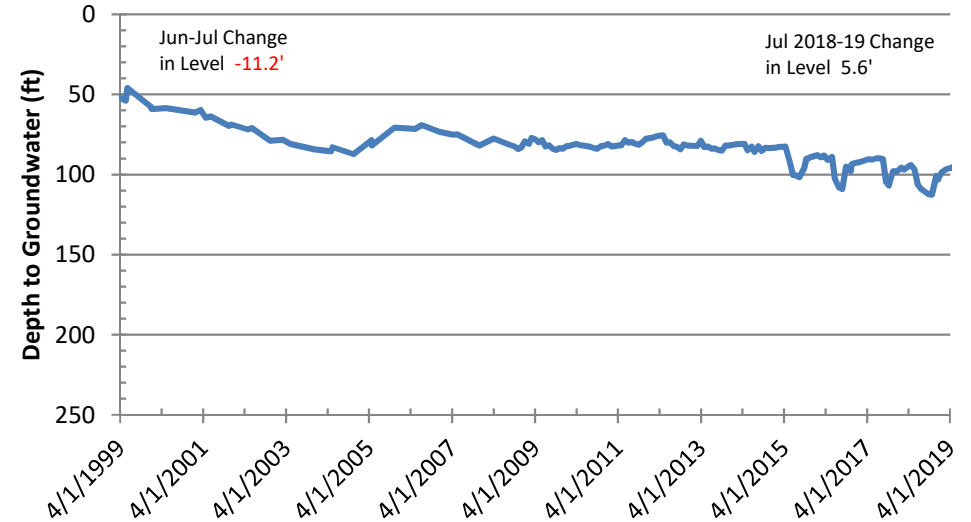


Figure 6: Basin Groundwater Levels

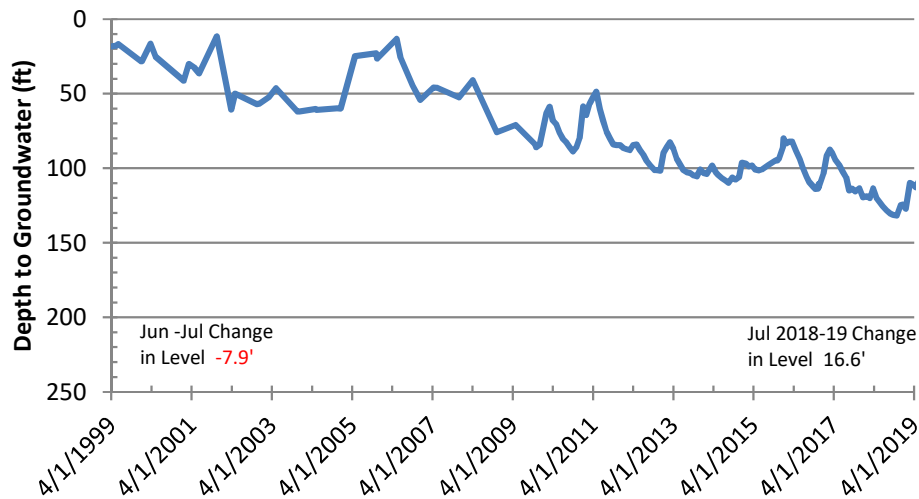
Bunker Hill Basin Sierra High School (USGS)



Rialto-Colton Basin Johnson 1



Riverside North Basin Flume 5



Riverside South Basin Cunningham

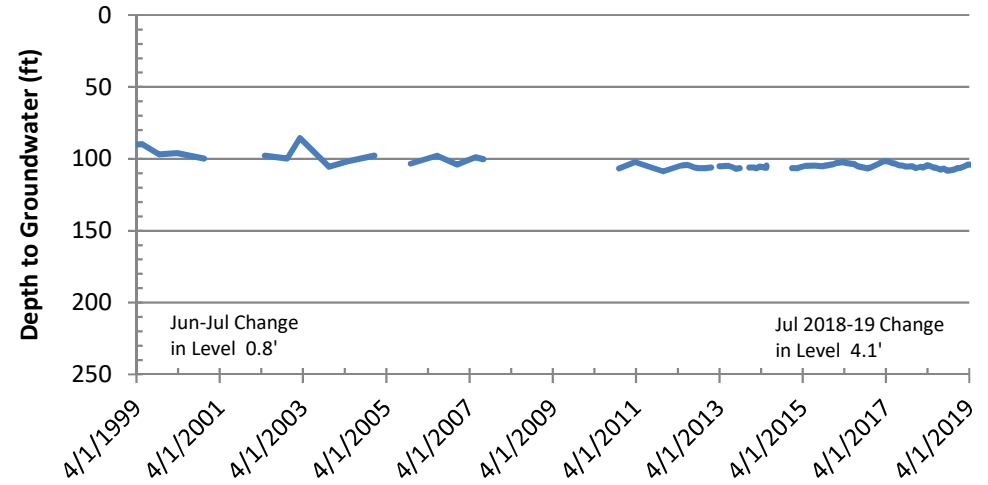


Figure 7: Groundwater Basin Vicinity Map

