

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: August 10, 2020

GENERAL MANAGER'S REPORT

ITEM NO: 9

SUBJECT: MONTHLY WATER REPORT – June 2020

In June, RPU's total water production was 9,480 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In June, the peak water usage on the potable water distribution system was 83.2 million gallons per day (MGD) and occurred on June 10, 2020 as shown on Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), and NORCO totaled 7,226 AF, which increased from last June by 547 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 731 AF was wheeled to WMWD during June as shown in Figures 1 and 2. During this 2019/20 fiscal year, a total of 7,287 AF of potable water has been delivered to WMWD. And Under the Agreement for the Sale of Surplus Potable Water and Emergency Water Norco, RPU delivered 71 AF in June 2020.

In June, RPU's Gallons Per-Capita per Day (GPCD) was 225, and its Residential Gallons Per-Capita per Day (R-GPCD) was 137. RPU's annual rolling GPCD was 180, 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 107 as shown on Figure 5.

Weather conditions within the City of Riverside showed that June of 2020 was warmer by 1 degree from June of last year and experienced an increase of 0.02 inches of rainfall compared to June 2019.

There were no significant events for the water system in June 2020.

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 decreased by 8 feet in the Bunker Hill Basin and by 1 foot in the Rialto-Colton Basin as compared to June of last year. Water levels decreased by 11 feet in the Riverside North Basin and remained unchanged in the Riverside South Basin as compared to June of last year.

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

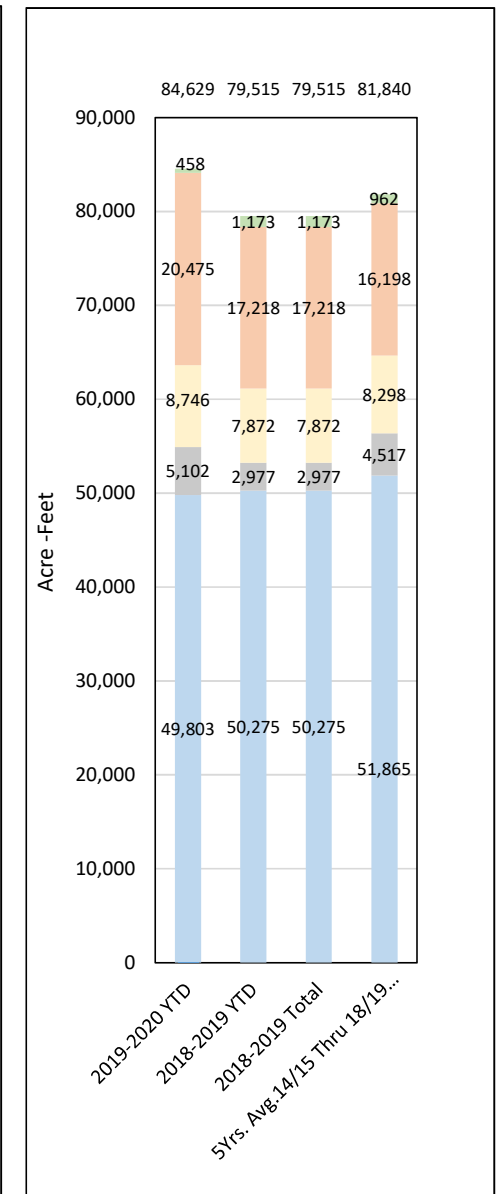
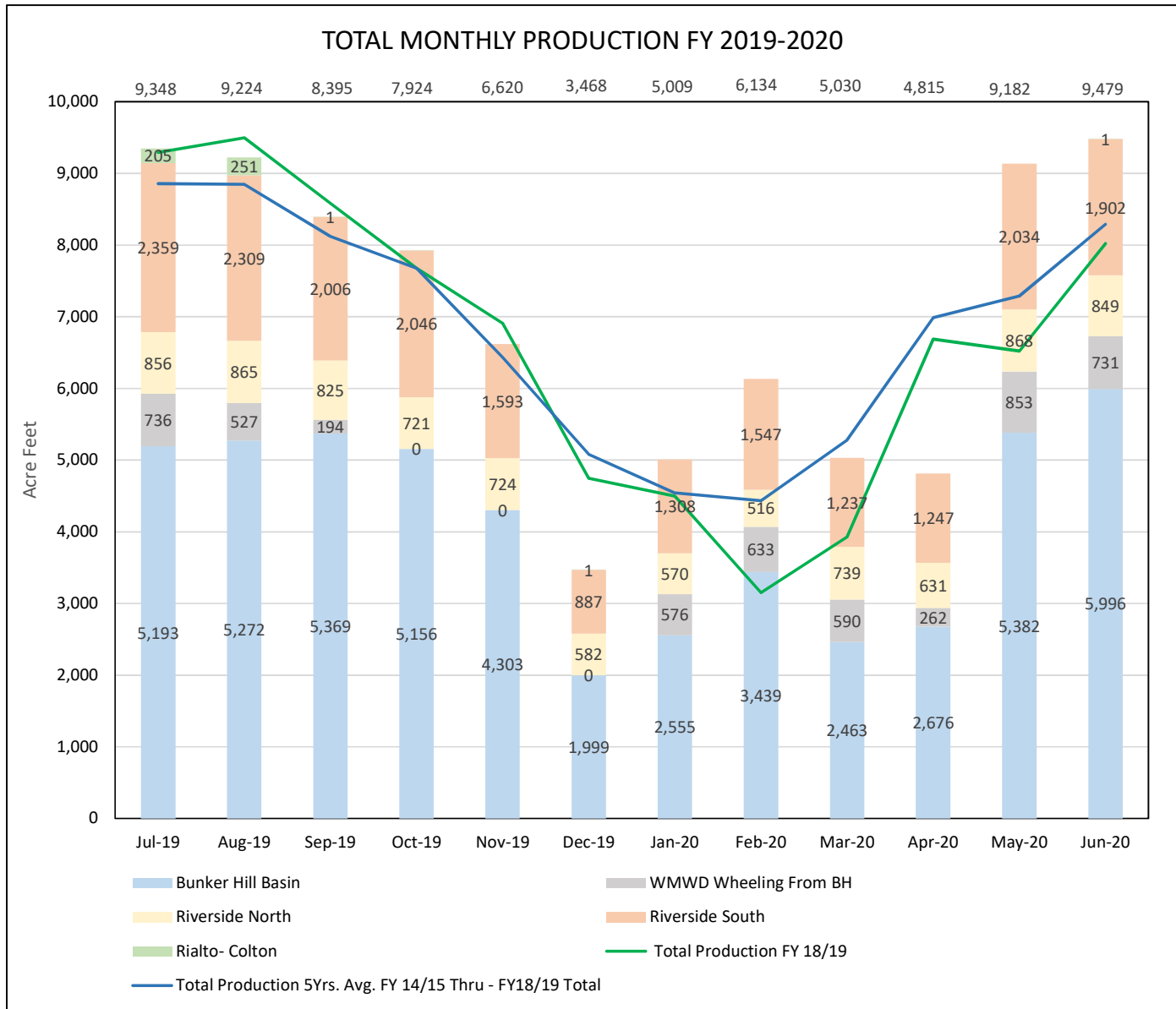


FIGURE 2: RPU WATER - TOTAL PRODUCTION REPORT - CALENDAR YEAR 2020

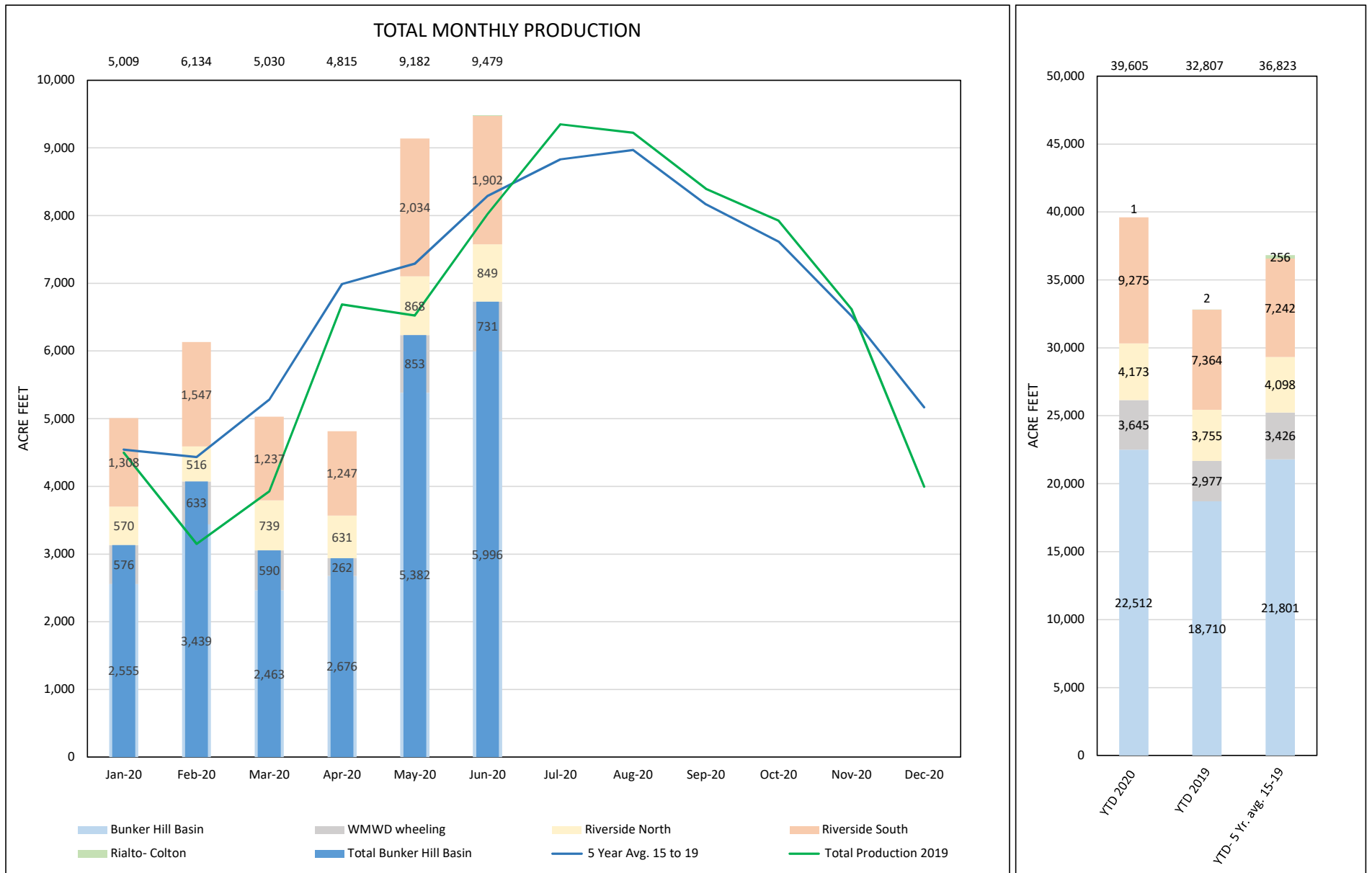


FIGURE 3: RPU WATER - TOTAL PRODUCTION REPORT

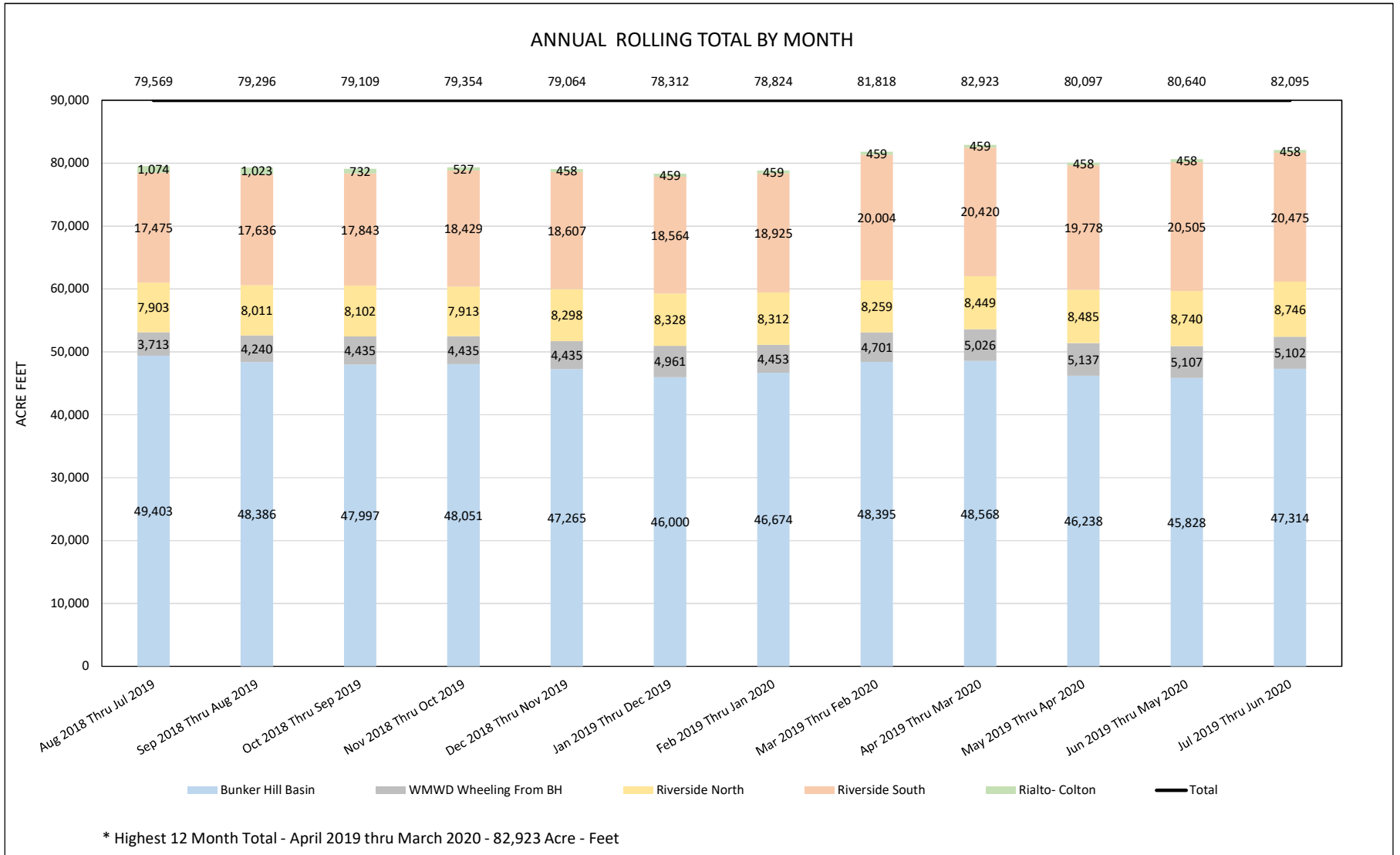


FIGURE 4: RPU WATER - TOTAL MONTHLY CONSUMPTION REPORT

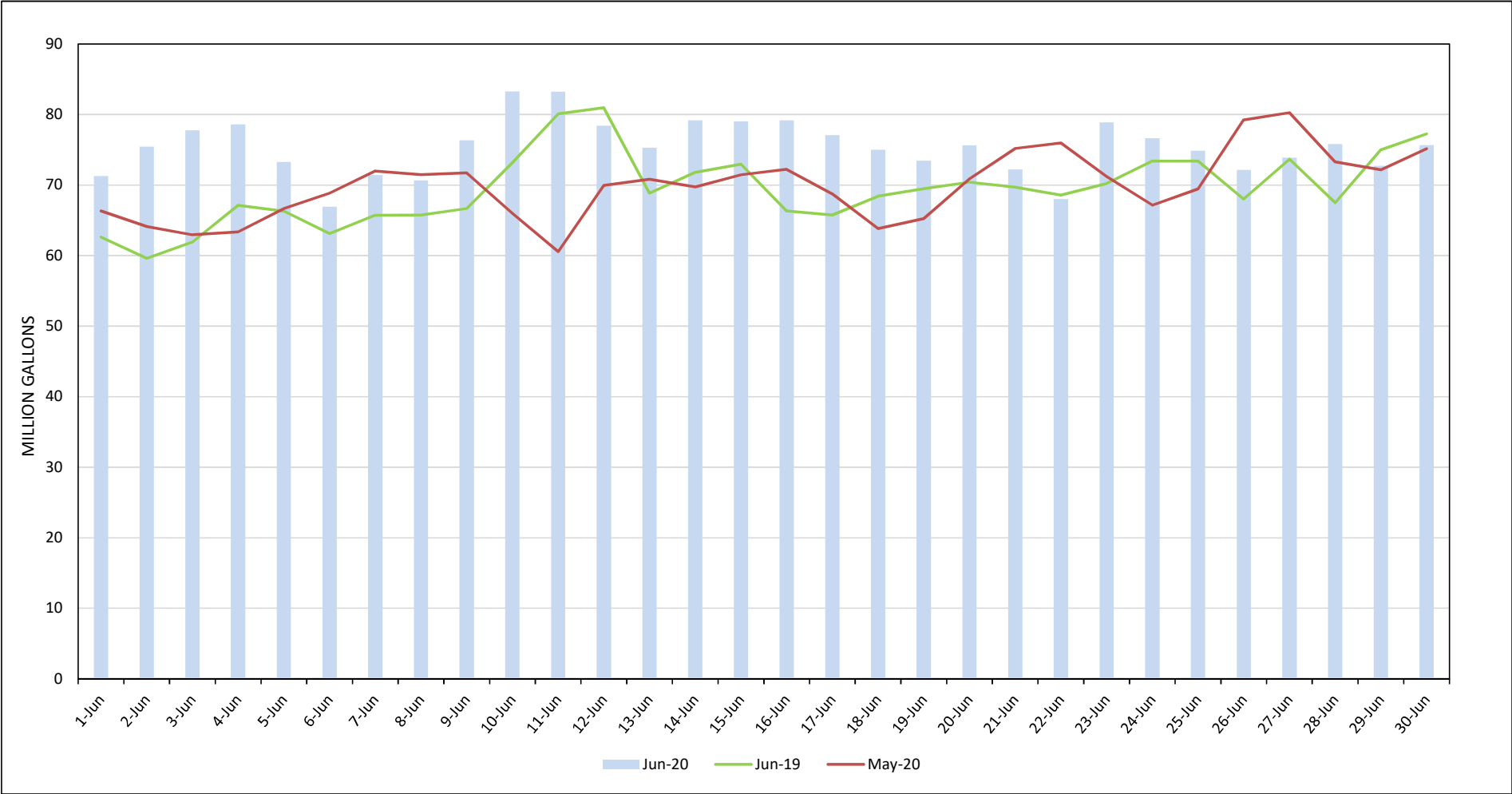
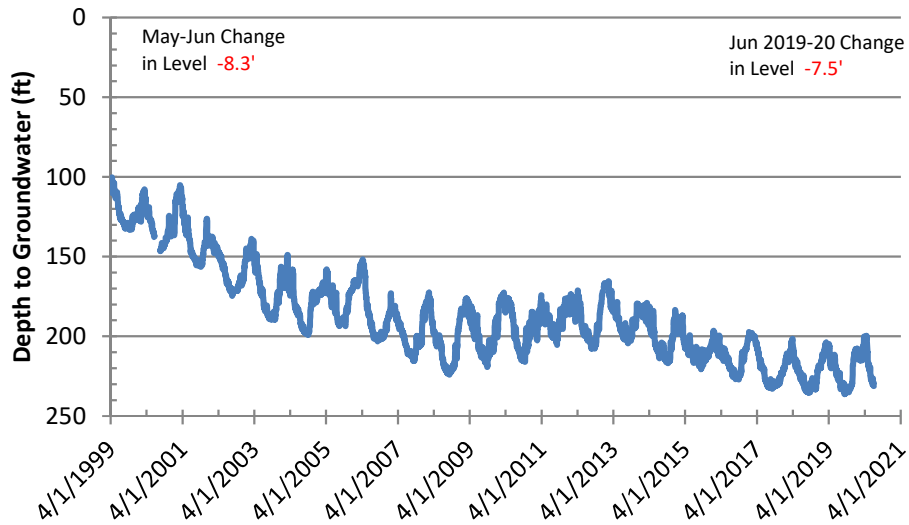


FIGURE 5: RPU WATER - TOTAL GPCD AND R-GPCD ANNUAL ROLLING

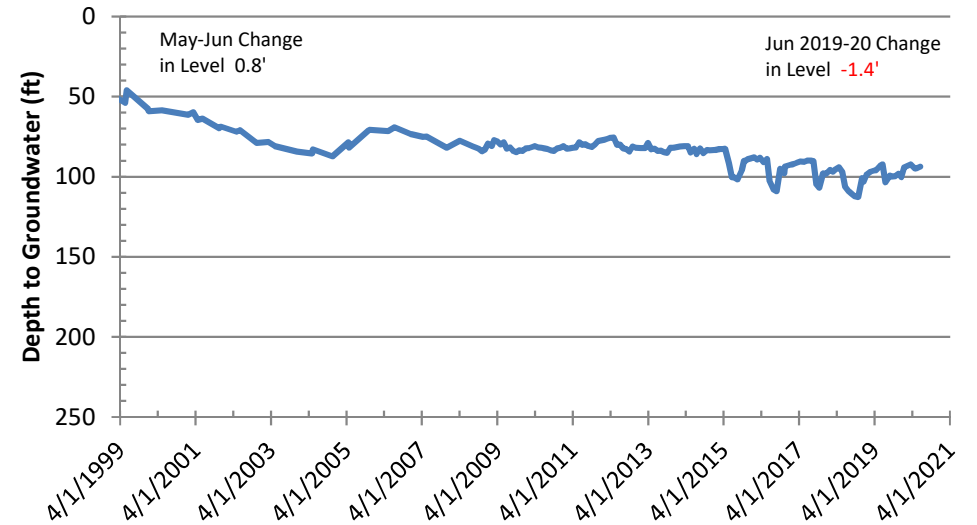


Figure 6: Basin Groundwater Levels

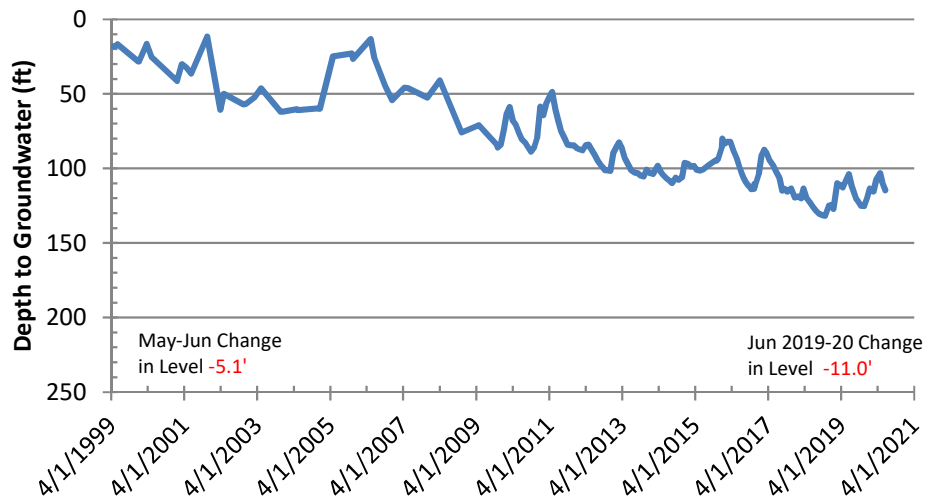
Bunker Hill Basin Sierra High School (USGS)



Rialto-Colton Basin Johnson 1



Riverside North Basin Flume 5



Riverside South Basin Cunningham

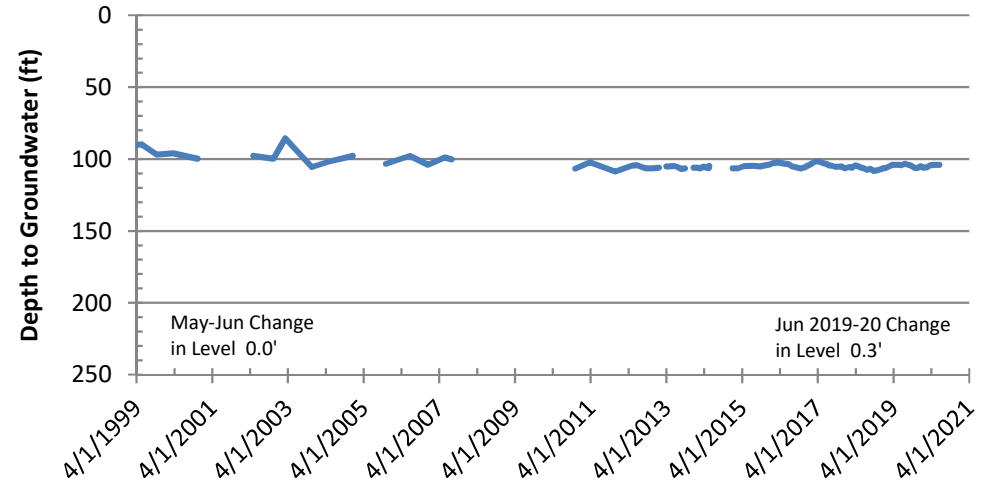


Figure 7: Groundwater Basin Vicinity Map

