



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: February 8, 2021

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – December 2020

In December, RPU's total water production was 6,042 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In December, the peak water usage on the potable water distribution system was 63 million gallons per day (MGD) and occurred on December 2nd, 2020 as shown in Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), and the City of Norco totaled 5,328 AF, which increased from last December by 1,597 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD 496 AF was wholesaled to WMWD during December. During this 2020/21 fiscal year, a total of 3,953 AF of potable water has been delivered to WMWD.

In December, RPU's Gallons Per-Capita per Day (GPCD) was 163, and its Residential Gallons Per-Capita per Day (R-GPCD) was 95. RPU's annual rolling GPCD was 189, 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 114 as shown in Figure 5.

Weather conditions within the City of Riverside showed that December of 2020 was warmer by 2.2 degrees from December last year and experienced an increase of 0.09 inches of rainfall compared to December 2019.

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

Summary of Deliveries to the City of Norco for Calendar Year (CY) 2020

Under the Agreement for the Sale of Surplus Potable Water and Emergency Water with Norco, RPU started water deliveries on May 8th, 2020, and delivered a total of 478 AF for CY 2020. The current unit price of water sold to Norco is \$821 per AF for a total revenue of \$393,000 for CY 2020. The anticipated unit price will likely increase to \$854 per AF in FY 2021-2022, but the unit price will ultimately be based off actual expenses of delivery in FY 2020-2021 and anticipated operational cost impacts in FY 2021-2022.

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 23 feet in the Bunker Hill Basin compared to December of last year. Water levels in the Rialto-Colton Basin increased by 3 feet as compared to December of last year. This increase may be due to decreased pumping activities in the local area near the key monitoring well. Water levels in the Riverside North Basin decreased by 3 feet, while the levels in the Riverside South Basin remained constant.

FIGURE 1: RPU WATER - TOTAL PRODUCTION REPORT - FISCAL YEAR 2020 - 2021

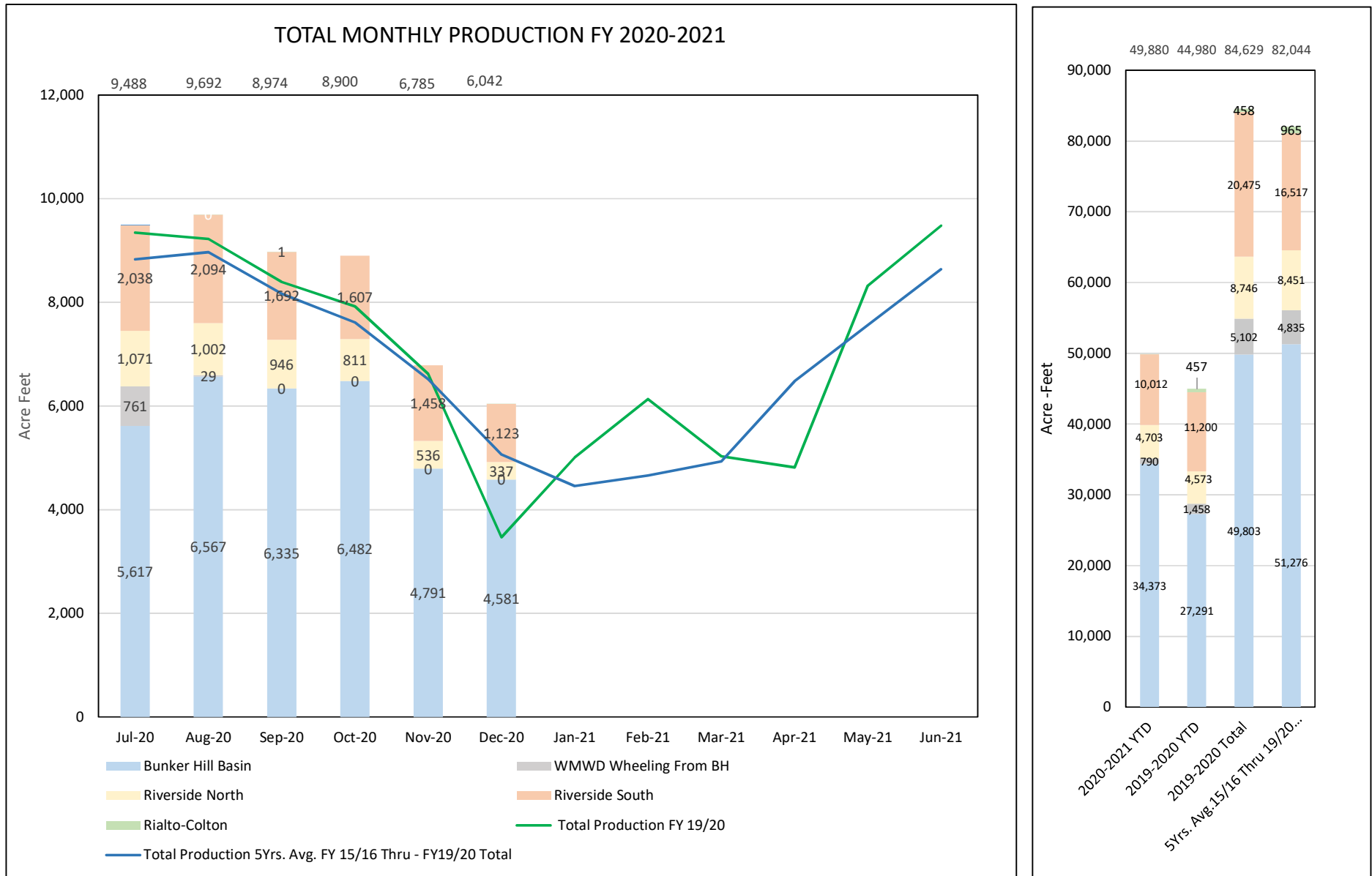


FIGURE 2: RPU WATER - TOTAL PRODUCTION REPORT - CALENDAR YEAR 2020

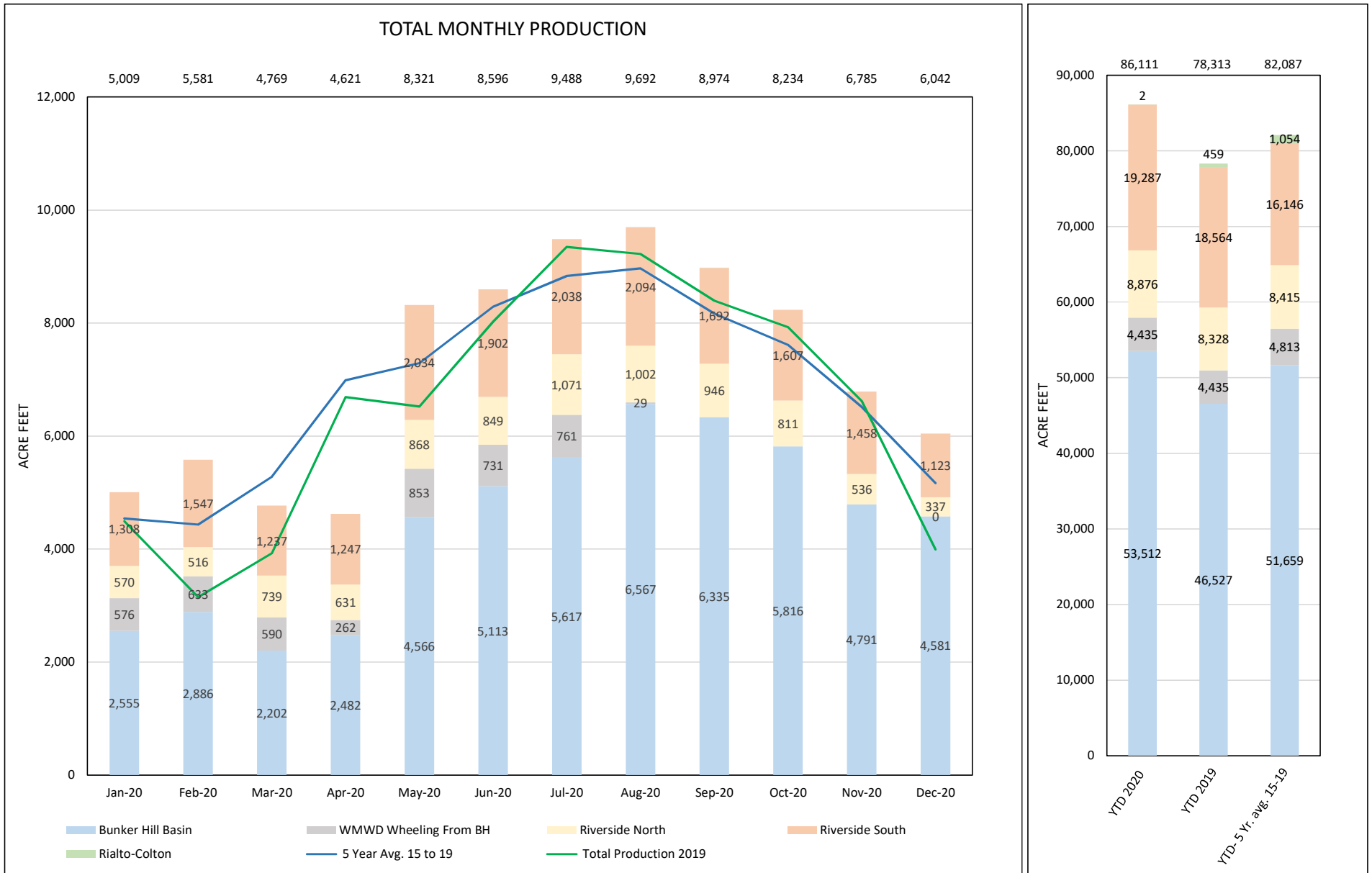


FIGURE 3: RPU WATER - TOTAL PRODUCTION REPORT

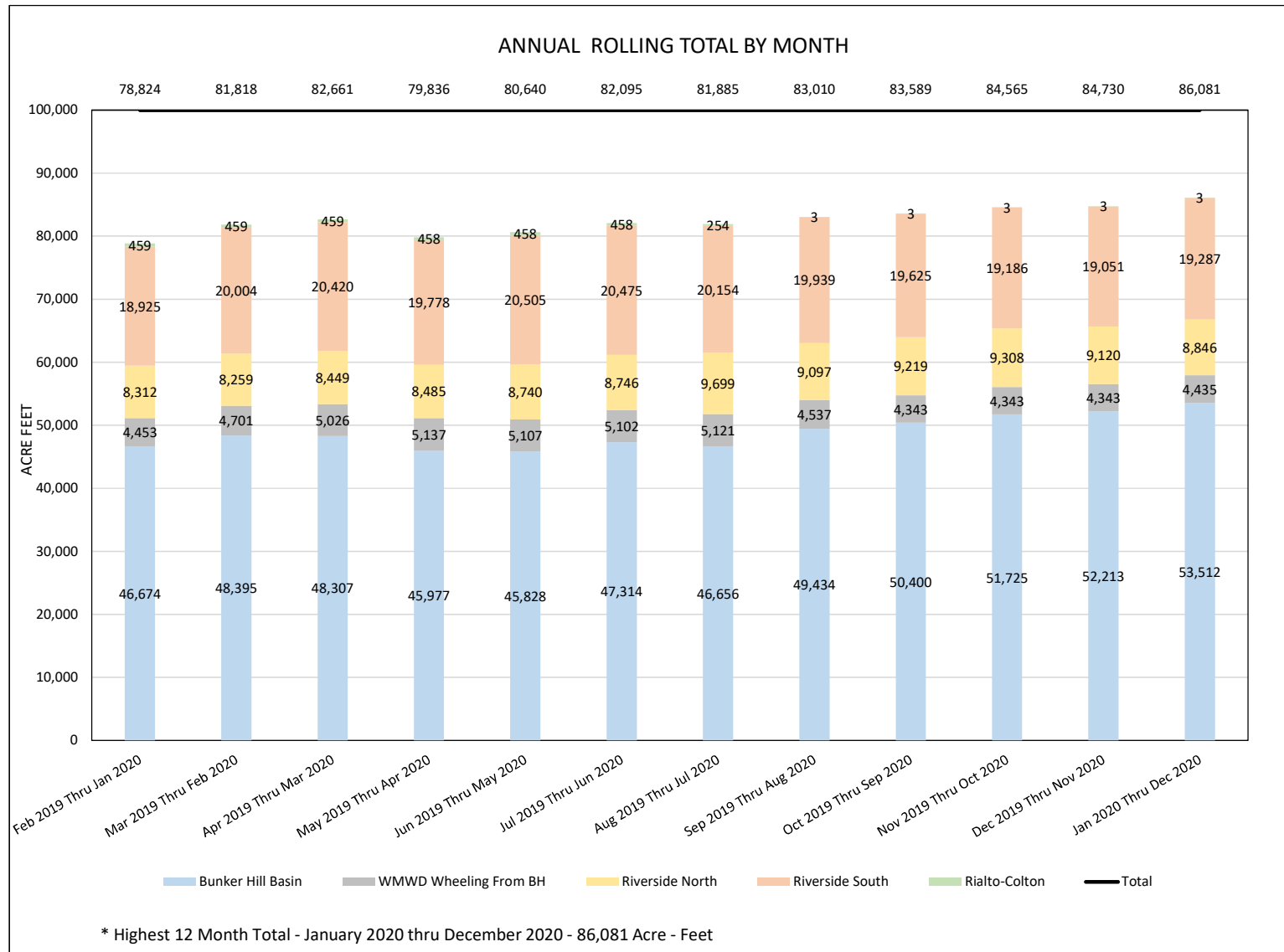


FIGURE 4: RPU WATER - TOTAL MONTHLY CONSUMPTION REPORT

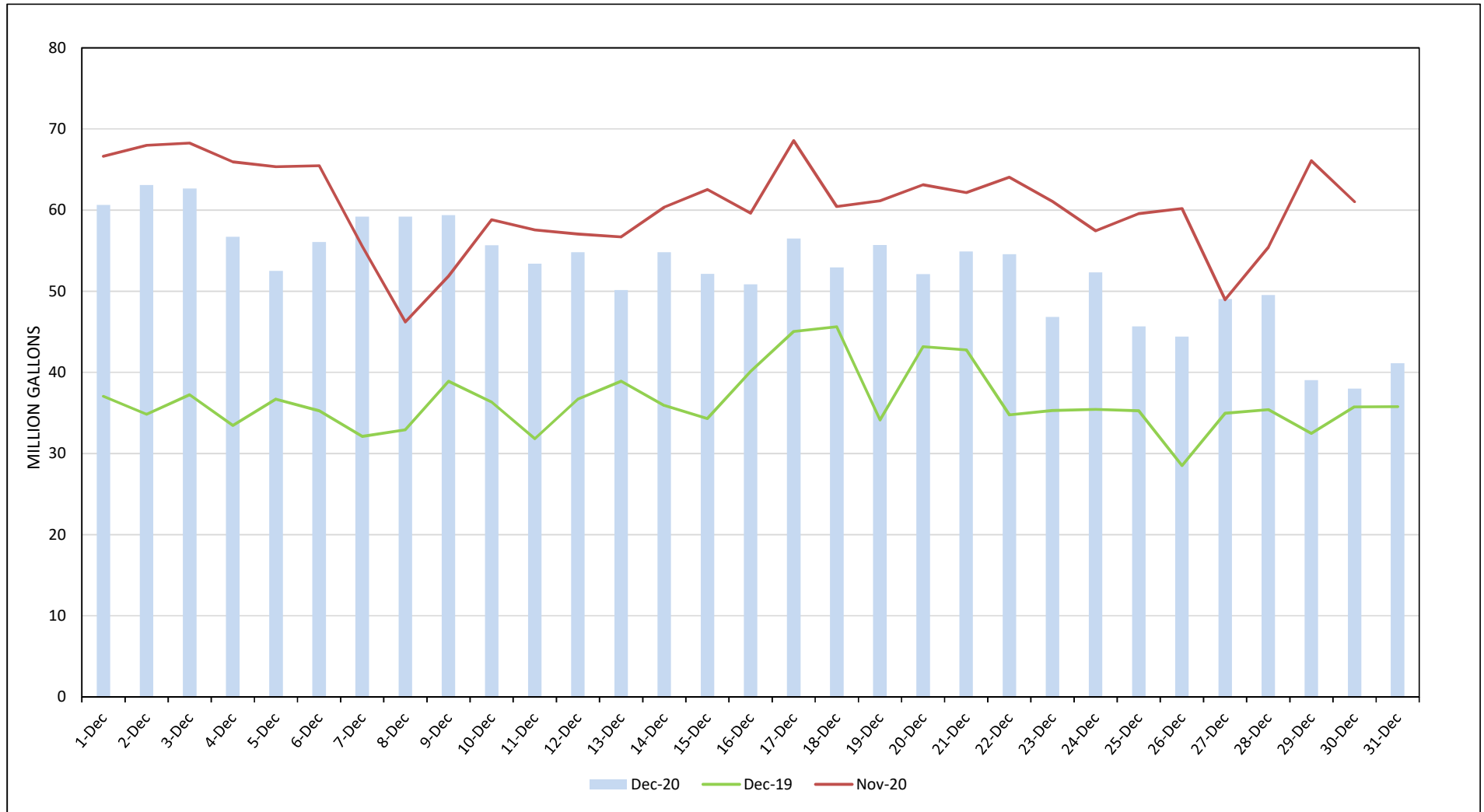


FIGURE 5: RPU WATER - TOTAL GPCD AND R-GPCD ANNUAL ROLLING

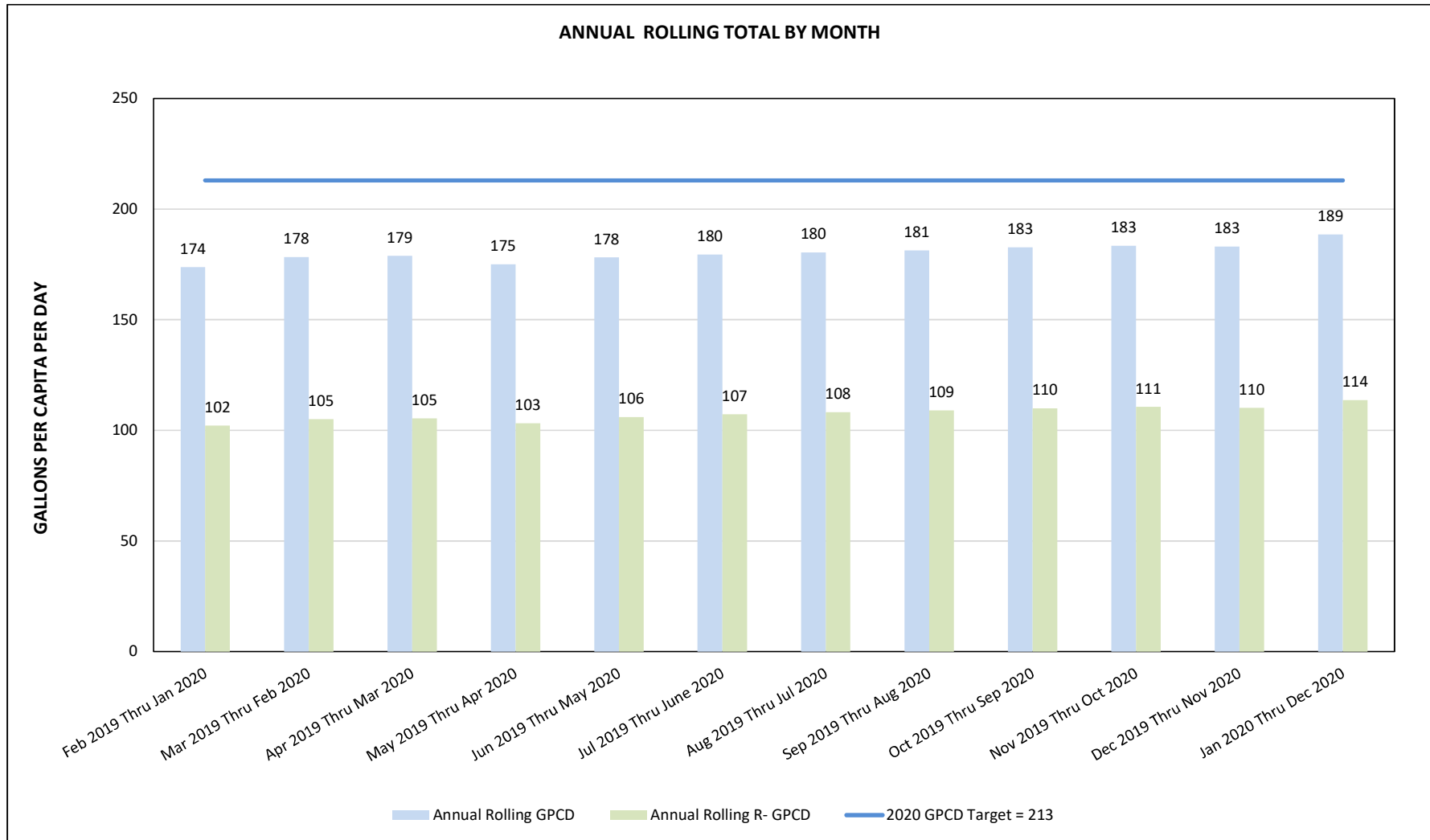
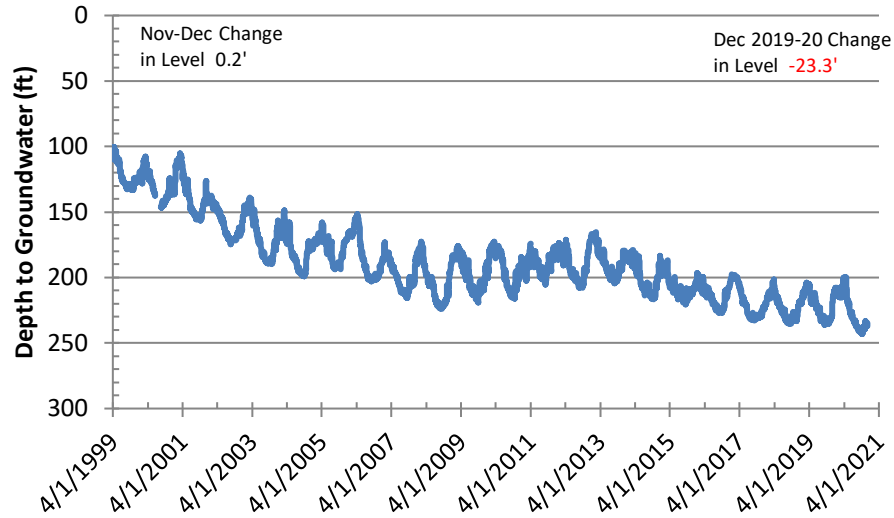
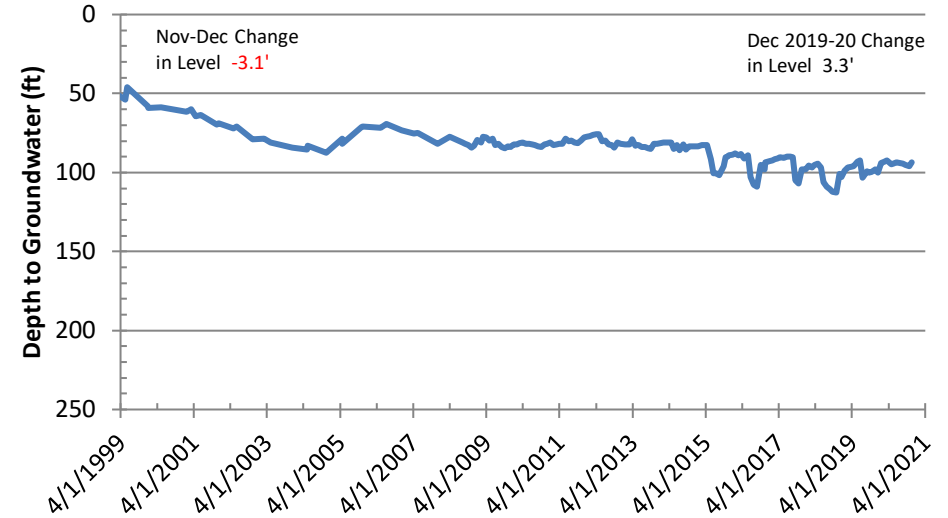


Figure 6: Basin Groundwater Levels

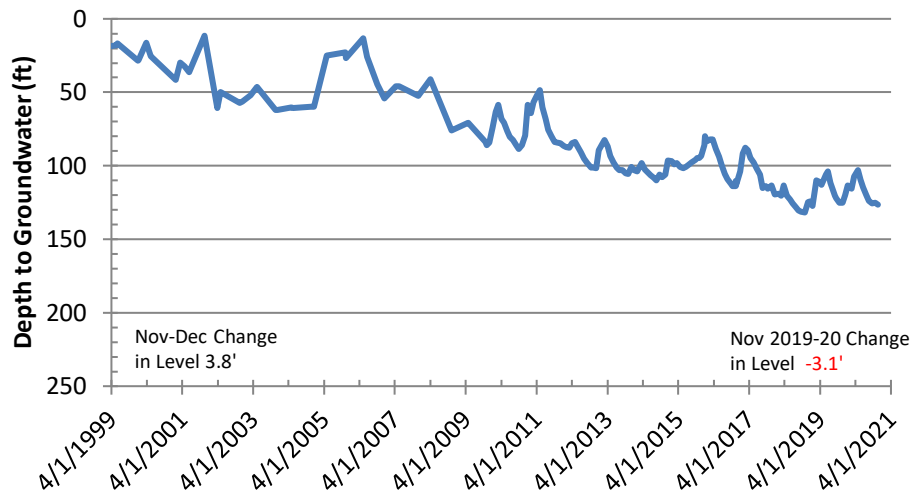
Bunker Hill Basin Sierra High School (USGS)



Rialto-Colton Basin Johnson 1



Riverside North Basin Flume 5



Riverside South Basin Cunningham

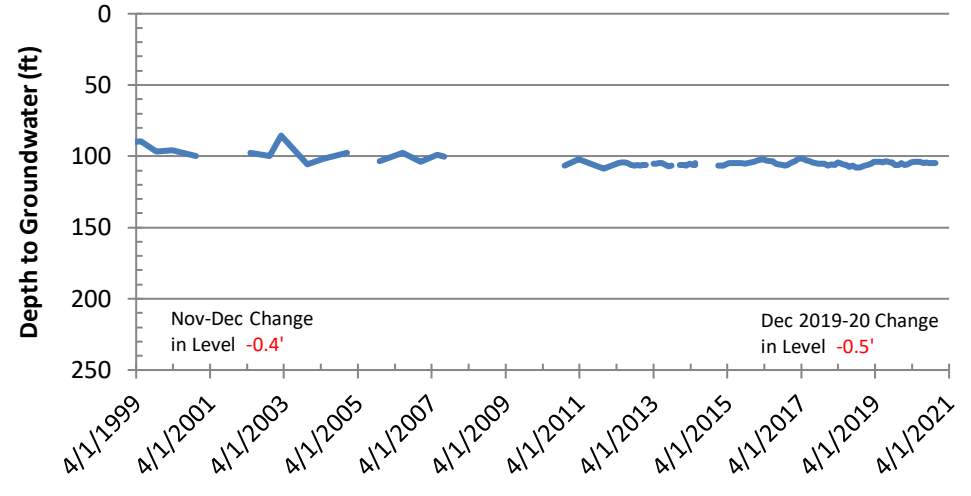


Figure 7: Groundwater Basin Vicinity Map

