UNITED STATES
DEPARTMENT OF THE INTERIOR
Oscar L. Chapman, Secretary

U S BUREAU OF RECLAMATION
Michael W. Straus, Commissioner

REGION 3
E. G. Nielsen, Regional Director

REPORT
ON
WATER SUPPLY
OF THE
LOWER COLORADO RIVER BASIN

PROJECT PLANNING REPORT

NOVEMBER 1952

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irrigation water rates at sites of use throughout the Lower Colorado River Basin for all types of crops grown, all general types of native vegetation, and barren lands with high ground-water tables together with indexes for computing water uses by cities, farmsteads, and other incidental areas.

If the water supply for an area was short during the latter part of the irrigation season, the resultant reduction in consumptive use was indicated in the Blaney-Harris report as a percentage reduction of the total normal consumptive use of irrigation water by the 1914-1945 average acreage of crops in each area of water shortage. The percentage reduction for an area was determined as the relationship of all shortages during the 1914-1945 period to the full water supply required for the area during the period.

(b) Consumptive Use of Irrigation Water by Crops - The unit rates of consumptive use of irrigation water by crops listed in the Blaney-Harris report were applied to the average 1914-1945 acreages determined for the various crops in 68 separate areas throughout the Lower Colorado River Basin to determine the average annual consumptive use of irrigation water by crops at sites of use for the 1914-1945 period. The derivation of these evaluations are shown in accompanying Table 9. The numbers given in Table 9 for the agricultural areas correspond with the numbers shown for the irrigation areas on the location map in Appendix B, Drawing No. 57-314-22. The first letter or letters in the designation apply to the state or Mexico in which the irrigation area is situated; the last letter or letters signify the stream (Colorado, Little Colorado, Virgin, Bill Williams, or Gila River); and the numeral is the sequence of the irrigation areas in a state in downstream order on the streams.