DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared in cooperation with the
CALIFORNIA DIVISION OF MINES AND GEOLOGY

WATER RESOURCES INVESTIGATIONS REPORT 83-4116-A

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EXPLANATION

- BOUNDARY OF GROUND-WATER UNIT.--Approximately defined by ground-water-table divides or topographic divides
- BOUNDARY OF GROUND-WATER UNIT WHERE COINCIDENT WITH THE COLORADO RIVER.--Ground-water recharge and discharge areas are not delineated
- INFERRED DIRECTION OF GROUND-WATER FLOW IN BASIN FILL ACROSS A GROUND-WATER UNIT BOUNDARY, OR FLOW IN BASIN FILL FROM A GROUND-WATER SUBUNIT TO A MAJOR GROUND-WATER DISCHARGE AREA
- GAINING STREAM.--A stream that receives ground-water discharge
- AREA WHERE GROUND-WATER DISCHARGE OCCURS BY EVAPOTRANSPIRATION AND TO SEEPS, SPRINGS, PLAYAS, AND LAKES
- WATER-LEVEL DEPRESSION.--Caused by ground-water withdrawal. Hachures shown on low side of depression
- GENERAL DIRECTION OF GROUND-WATER FLOW AT THE WATER TABLE
- AREAS UNDERLAIN BY CONSOLIDATED ROCK.--Unshaded areas within study area are underlain by basin fill

BOUNDARY OF STUDY AREA

EXPLANATION

- BOUNDARY OF GROUND-WATER WITHDRAWAL AREA.--Ruled patterns are used to distinguish overlapping areas
- 6.7 (1950) ESTIMATED AVERAGE ANNUAL GROUND-WATER WITHDRAWAL FOR THE YEAR SHOWN IN PARENTHESES IN THOUSANDS OF ACRE-FEET
- BOUNDARY OF GROUND-WATER UNIT.--Approximately defined by ground-water-table divides or topographic divides

BOUNDARY OF STUDY AREA

MAP SHOWING GROUND-WATER WITHDRAWAL

SCALE 1:1 000 000

25 0 25 50 75 100 MILES
25 0 25 50 75 100 KILOMETERS

MAP SHOWING GROUND-WATER UNITS

Scale 1:500,000
1 inch equals approximately 8 miles

10 0 10 20 30 40 Miles
10 0 10 20 30 40 50 Kilometers

MAP SHOWING STUDY AREA IN THE BASIN AND RANGE PROVINCE AND AREA OF THIS REPORT

CONVERSION FACTORS

Multiply inch-pound unit	By	To obtain international unit
foot	0.3048	meter
mile	1.609	kilometer
acre-foot	1,233.0	cubic meter

MAPS SHOWING GROUND-WATER UNITS AND WITHDRAWAL, BASIN AND RANGE PROVINCE, SOUTHERN CALIFORNIA

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Base from U.S. Geological Survey
State base map, 1970