DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared in cooperation with the
TEXAS BUREAU OF ECONOMIC GEOLOGY

WATER RESOURCES INVESTIGATIONS REPORT 83-4121-A

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

By
B.T. Brady, M.S. Bedinger, and John Mikels

1984

EXPLANATION

- BOUNDARY OF GROUND-WATER UNIT.--Approximately defined by ground-water-table divides or topographic divides
- GAINING STREAM.--A stream that receives ground-water discharge
- 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
- (2,000?) INFERRED DIRECTION OF GROUND-WATER FLOW IN CONSOLIDATED ROCK ACROSS A GROUND-WATER UNIT BOUNDARY, OR BETWEEN TOPOGRAPHIC BASINS WITHIN A GROUND-WATER UNIT.--Number in parentheses is estimated flow in acre-feet per year. (?) indicates location and quantity of flow is uncertain

MAP SHOWING GROUND-WATER UNITS

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

EXPLANATION

- BOUNDARY OF GROUND-WATER WITHDRAWAL AREA
- 5 (1971-1972) ESTIMATED AVERAGE ANNUAL GROUND-WATER WITHDRAWAL FOR THE PERIOD SHOWN IN PARENTHESES IN THOUSANDS OF ACRE-FEET.--In areas shown as less than 2, pumpage is primarily for domestic and stock use and is thought to be less than 2,000 acre-feet per year
- BOUNDARY OF GROUND-WATER UNIT.--Approximately defined by ground-water-table divides or topographic divides

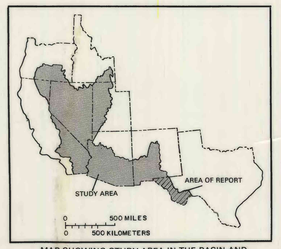
LOWER MESILLA VALLEY 30 (1975-1980)
HUECO BOLSON 26 (1906-1976) 72 (1975)
SALT FLATS 5 (1951-1972)
EAGLE FLAT, NORTHERN RED LIGHT DRAW <2 (1974)
WILD HORSE, ANCHOHAN FLATS 10 (1949-1972)
RED LIGHT DRAW, SE EAGLE FLAT, GREEN RIVER VALLEY <2 (1974)
LOBO FLAT 15 (1949-1972)
RYAN FLAT-RIO GRANDE 1 (1949-1980)
PRESIDIO BOLSON <2 (1974)
BOUNDARY OF STUDY AREA

MAP SHOWING GROUND-WATER WITHDRAWAL

SCALE 1:1 000 000

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



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

Base from U.S. Geological Survey
State base map, 1965