EXPLANATION

500 — WATER-LEVEL CONTOUR—Shows altitude of the water level prior to development. Dashed where based on meager data; dotted where approximately located. Contour interval, in feet, is variable. National Geodetic Vertical Datum of 1929

1680 — SELECTED WELL—Number, 1680, is water-level altitude measured prior to extensive development

GROUND-WATER DIVIDE—Open circles where approximately located

GROUND-WATER UNDERFLOW—In acre-feet per year

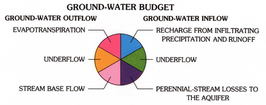
- More than 30,000
- 15,000-30,000
- 5,000-15,000
- 1,000-5,000
- Less than 1,000

BASIN-FILL DEPOSITS

BEDROCK OF THE MOUNTAINS

BASALT FLOWS—Overlie basin-fill deposits and may act as a confining layer

GROUND-WATER BUDGET



RELATIVE MAGNITUDE OF OUTFLOW AND INFLOW—In acre-feet per year

- More than 100,000
- 50,000-100,000
- 10,000-50,000
- 5,000-10,000
- Less than 5,000

4 / 11,000 — RATIO OF ANNUAL INFLOW TO TOTAL VOLUME STORED IN THE GROUND-WATER SYSTEM—Upper number, 4, is the estimated average inflow and outflow to the aquifer of the basin, in thousands of acre-feet. Lower number, 11,000, is the estimated recoverable ground water in the basin-fill material to a depth of 1,200 feet below land surface, in thousands of acre-feet, rounded to the nearest million acre-feet

PERENNIAL STREAM

BOUNDARY OF GROUND-WATER BASIN

CONVERSION FACTORS

For readers who prefer to use metric units, the conversion factors for the terms used in this report are listed below:

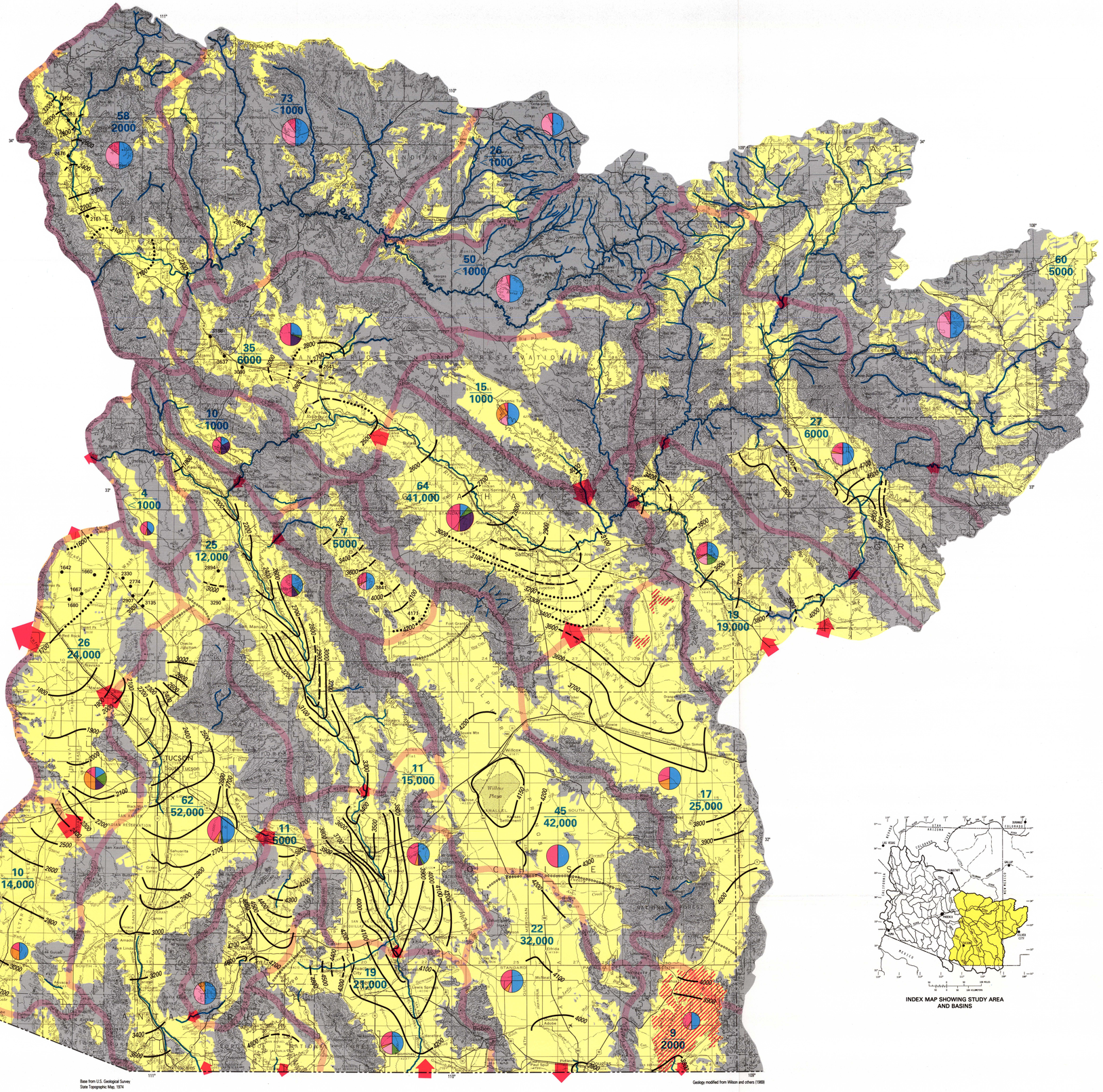
Multiply	By	To obtain
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
square mile (mi^2)	2.590	square kilometer (km^2)
acre-foot (acre-ft)	0.001233	cubic hectometer (hm^3)

SCALE 1:500 000

10 0 10 20 30 40 MILES

10 0 10 20 30 40 50 60 KILOMETERS

CONTOUR INTERVAL 500 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929


58
2000
73
1000
26
1000
50
1000
60
5000
35
6000
10
1000
15
1000
27
6000
4
1000
64
41,000
7
5000
25
12,000
26
24,000
19
19,000
11
15,000
62
52,000
11
5000
17
25,000
45
42,000
10
14,000
22
32,000
19
21,000
9
2000
TUCSON
South Tucson
Safford
Willcox
Globe
Douglas
Nogales
Bisbee
Miami
San Manuel
Superior
Florence
Casa Grande
Eloy
Coolidge
Maricopa
Ajo
Gila Bend
Yuma
San Luis
Somerton
Wellton
Parker
Quartzsite
Ehrenberg
Blythe
Needles
Kingman
Bullhead City
Lake Havasu City
Prescott
Wickenburg
Buckeye
Tonopah
Gila River Indian Reservation
San Xavier Indian Reservation
Ak-Chin Indian Reservation
Cocopah Indian Reservation
Fort Yuma Indian Reservation
Colorado River Indian Reservation
Fort Mohave Indian Reservation
Hualapai Indian Reservation
Havasu Canyon Indian Reservation
Navajo Indian Reservation
Hopi Indian Reservation
Fort Apache Indian Reservation
San Carlos Indian Reservation
Tonto National Forest
Coronado National Forest
Apache National Forest
Sitgreaves National Forest
Kaibab National Forest
Coconino National Forest
Prescott National Forest
Kaibab Indian Reservation
Grand Canyon National Park
Lake Mead National Recreation Area
Lake Mohave
Lake Havasu
Lake Pleasant
Roosevelt Lake
Apache Lake
Canyon Lake
Saguaro Lake
Lake Pleasant
Painted Desert
Petrified Forest National Park
Meteor Crater
Sunset Crater
Wupatki National Monument
Walnut Canyon National Monument
Montezuma Castle National Monument
Tuzigoot National Monument
Organ Pipe Cactus National Monument
Saguaro National Monument
Chiricahua National Monument
Coronado National Memorial
Tumacacori National Historical Park
Casa Grande Ruins National Monument
Pipe Spring National Monument
Fort Bowie National Historic Site
Fort Huachuca
Fort Grant
Fort Thomas
Fort Lowell
Fort Verde
Fort Whipple
Fort Defiance
Fort Wingate
Fort Apache
Fort Bayard
Fort Bowie