

EXPLANATION

DRAINAGE DIVIDE
GROUND WATER

Impermeable Boundary

STRATIFIED DRIFT AQUIFER
The most important aquifer in the basins and the only one that can supply large amounts of water for industrial and public water supplies. Yields of a few wells tapping this aquifer exceed 7,000 gallons per minute. Transmissibility in gallons per day per foot:
Greater than 100,000
50,000 to 100,000
10,000 to 50,000
0 to 10,000
Transmissibility undetermined

AQUIFER-THICKNESS LINES
Shows thickness of the stratified-drift aquifer in feet. Interval is 10, 20, and 30 feet.

TILL
Non-sorted non-stratified mixture of clay, silt, sand, gravel, and boulders. Yields only small supplies to dug wells and largely abandoned as a source of water. Permeability probably averages 5 gallons per day per square foot in the basins. Diagonal pattern indicates areas where till is known to be at least 40 feet thick. Ditto and number indicates site of known thickness of till in feet.

BEDROCK
Fractured crystalline rocks with similar water-bearing properties underlie the entire area. Outcrops, which are common on hillsides and hillsides, are not shown. More than 50 percent of the domestic wells in the basins tap bedrock, and about 80 percent of these yield at least 3 gallons per minute.

SURFACE WATER
0.5
STREAMFLOW
Streamflow equalled or exceeded 50 percent of the time, in million gallons per day approximately equal to the lowest 30-day mean flow having a 2-year recurrence interval.

468
USABLE STORAGE
Usable storage in ponds, lakes, and reservoirs, in million gallons.

A 2.3
AREAS FAVORABLE FOR GROUND-WATER DEVELOPMENT
Especially favorable for sustained development of large supplies from stratified drift. Number is the estimated mean annual yield, in million gallons per day, exceeded 2 years out of 10 under conditions of development described in the text. Letter identifies area on table 13.

Scale: 1:48000
CONTOUR INTERVAL 10 and 20 FEET Datum is mean sea level
BASE BY U. S. GEOLOGICAL SURVEY



MAP SHOWING GEOHYDROLOGY AND WATER AVAILABLE
IN THE SOUTHWESTERN COASTAL RIVER BASINS