



SCALE 1:48 000
 0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS
 CONTOUR INTERVAL, 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

W 2827
 W 2702
 R BMI

EXPLANATION
 The map units described in Figure 9 indicate the expected quantities of ground water that can be developed from single wells of large diameter (18 inches or more), or groups of six or more small-diameter (2-1/2 inches) wells at individual sites. The different categories are based on saturated thickness and hydraulic conductivity estimated from lithologic logs. This map is intended to guide exploration. It is not a substitute for test drilling and pumping.

All the area is underlain by crystalline bedrock aquifer that usually yields 1 to 10 gal/min from wells less than 300 feet deep. Reported yields for bedrock wells range from 0.2 to 125 gal/min. In general, wells in the lowlands have larger yields than wells in the uplands. Bedrock is the major source of domestic supplies in rural areas.

Areas where unconsolidated deposits are favorable for yields of 250 gal/min or more. The aquifer is medium or coarse sand or gravel near a body of surface water that may provide water for recharge by induced infiltration.

Areas where unconsolidated deposits are favorable for yields of 50 to 250 gal/min. The aquifer may be fine grained than previous map unit or farther from a body of surface water capable of providing water for recharge by induced infiltration.

Areas where unconsolidated deposits are favorable for yields of as much as 50 gal/min from beds of sand recharged locally by local precipitation. This map unit includes some wetland areas where sandy beds may be found and fine grained materials.

Areas where unconsolidated till, as thick as 150 feet, are unfavorable for development. Some shallow (less than 30 feet) large diameter (12 feet), dug wells supply single-family homes where yields are generally less than 8 gal/min.

UNDESIGNATED DEPOSITS

Public-supply well or field of well points. Upper number is estimated yield, in gallons per minute, when tested. Lower number is specific capacity, in gallons per minute per foot of drawdown, observed when aquifer was tested.

Industrial well
 Observation well, in Northridge

BEDROCK

Public-supply well
 Industrial well

Boundary of Blackstone River basin

BASE FROM U.S. GEOLOGICAL SURVEY
 TOPOGRAPHIC QUADRANGLES

Figure 9--Areas favorable for developing ground water.