



EXPLANATION

Estimated potential yield,
in gallons per minute

- Less than 100
- 100-500
- 500-2000
- 2000-5000
- 5000-8000

Area where slightly-saline-water is
not present in aquifers

Area where data is insufficient to
determine estimated potential
yield and aggregate sand thick-
ness

Note: The potential yield of an individual well is based on a drawdown of 100 feet after one day of pumping. It is also assumed that not more than 200 feet of sand is screened in the well. If the sand thickness is less than 200 feet, then the full thickness is assumed to be screened. The diameter of the well screen is assumed to be 12 inches, and the screened section is assumed to be 100 percent efficient. The yields shown are for individual wells, and the estimates do not consider the interference effects of pumping from other wells. The sand thicknesses were determined from the electrical logs, and the hydraulic properties are assumed to be approximately the same as in the fresh-water parts of the zones.

Control point
Number is aggregate sand thickness, in feet

Line of equal aggregate sand thickness
Interval, 100 feet

MAP SHOWING ESTIMATED POTENTIAL YIELD
AND AGGREGATE SAND THICKNESS OF
THE MODERATELY-SALINE-WATER ZONE
3,000 to 10,000 milligrams per liter dissolved solids

SCALE 1:750,000
0 10 20 30 40 MILES
0 10 20 30 40 KILOMETERS

SALINE GROUND WATER IN LOUISIANA

By
A. G. Winslow, D. E. Hillier, and A. N. Turcan, Jr.
1968

Base from U.S. Geological Survey
State base map, 1:500,000, 1922