



**TABLE 1.—Hydrology of outwash deposits**

Aquifer	Thickness (feet)	Area underlain (square miles)	Total area (square miles)	Ground-water to base (feet)	Composition of outwash deposits	Water-bearing characteristics	Potential of properly constructed well	
Southwestern outwash aquifer	0-30	21,600	12,200	164,000	Well sorted sand (45 percent to 75 percent) and gravel (25 percent to 60 percent); locally contains less than 7 percent silt and clay-sized particles.	Good—as indicated from the results of aquifer tests. Moderate amounts of sand, and examination of soil settings.	Moderate (10-300) to large (>300)	
Northern outwash aquifer	0-55	17	36,300	5,530	167,000	Well sorted sand (45 percent to 70 percent) and gravel (15 percent to 55 percent); locally contains less than 8 percent silt and clay-sized particles.	Good—as indicated from the results of aquifer tests. Moderate amounts of sand, and examination of soil settings.	Moderate (10-300) to large (>300)
Northeastern outwash aquifer (along Spring Creek)	0-55	15	13,800	1,840	50,000	Well sorted sand (40 percent to 80 percent) and gravel (15 percent to 60 percent); locally contains less than 10 percent silt and clay-sized particles.	Fair—based on performance of aquifer tests, and examination of soil settings.	Small (<50) to moderate (50-300)
Other outwash aquifers	0-18	5	4,600	0	not estimated	Poorly sorted sand and gravel; contains moderate amounts of silt and clay-sized particles.	Poor—based on examination of soil settings.	Small (<50)

**TABLE 2.—Summary of the results of aquifer tests**

Well number	Depth of well (feet)	Depth to water level (feet)	Duration of pumping (minutes)	Average discharge (gpm)	Specific capacity (gpm per foot)	Coefficient of permeability (feet per second)	Average drawdown (feet)	Date last started
1	40	35	14.0	20	1.43	0.0001	2.80	1-5-60
2	40	32.2	23	2,650	66.3	0.0001	11.4-14.4	1-11-64
3	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
4	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
5	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
6	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
7	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
8	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
9	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
10	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
11	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
12	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
13	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
14	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
15	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
16	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
17	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
18	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
19	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
20	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
21	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
22	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
23	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
24	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
25	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
26	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
27	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
28	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
29	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
30	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
31	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
32	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
33	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
34	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
35	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
36	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
37	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
38	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
39	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64
40	40	35.4	35	2,800	70.0	0.0001	11.1-14.4	1-11-64