



FIGURE 2.—Hydrograph showing average depth to water in 13 water-table wells in Delaware

Liquid limits (LL), nonplastic										Plasticity index (PI), nonplastic		
Sample no.	Depth of sample (meters)	Mechanical analyses					Liquid limit (%)	Plasticity index (%)	Maximum density (ton. per cu. m.)	Optimum moisture (per cent by weight)	Classification	Map symbol
		No. 4 (No. 10) sieve (mm.)	No. 20 (No. 30) sieve (mm.)		No. 60 (No. 80) sieve (mm.)	Clay (No. 200 mesh)						
			Passing (%)	Retained (%)								
100	0-10	100	99.9	99.9	42.5	80	NP	125	9	A-1	A2	
	10-20	100	99.8	99.8	42.5	80	NP	125	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	125	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	125	9	A-1	A2	
101	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
1A	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
1B	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
1C	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
1D	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
2B	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
2C	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
2D	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
2E	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
3A	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
3B	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
3C	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
3D	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
4A	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
4C	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
4E	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
5A	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
5C	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
6A	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
6C	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
6D	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
6E	0-10	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	10-20	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	20-30	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	
	30-40	100	99.9	99.9	42.5	80	NP	124	9	A-1	A2	

TABLE 4.—Characteristics of the engineering soil types in the Dover quadrangle

[illegible]

<sup>1</sup> Two different soil types may be combined into a single map symbol (AMZ/24), but the engineering characteristics of the individual soil types are described separately.