

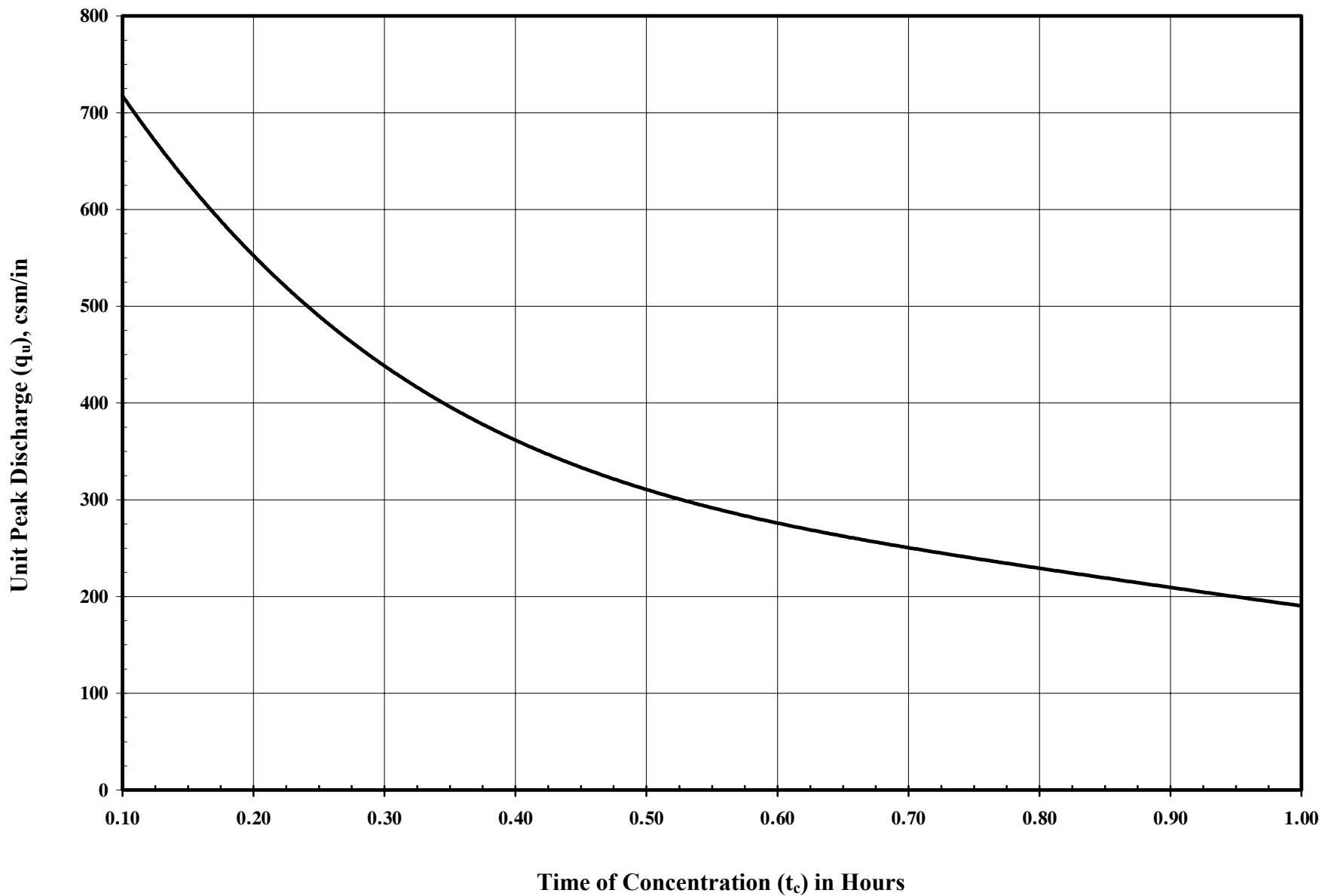
Appendix

**D.14**

**Eastern Shore (Delmarva) Dimensionless  
Hydrograph**

Figure D.14.1

SCS Graphical Method of Determining Peak Discharge ( $q_u$ ) in csm/in  
For Delmarva Peninsula

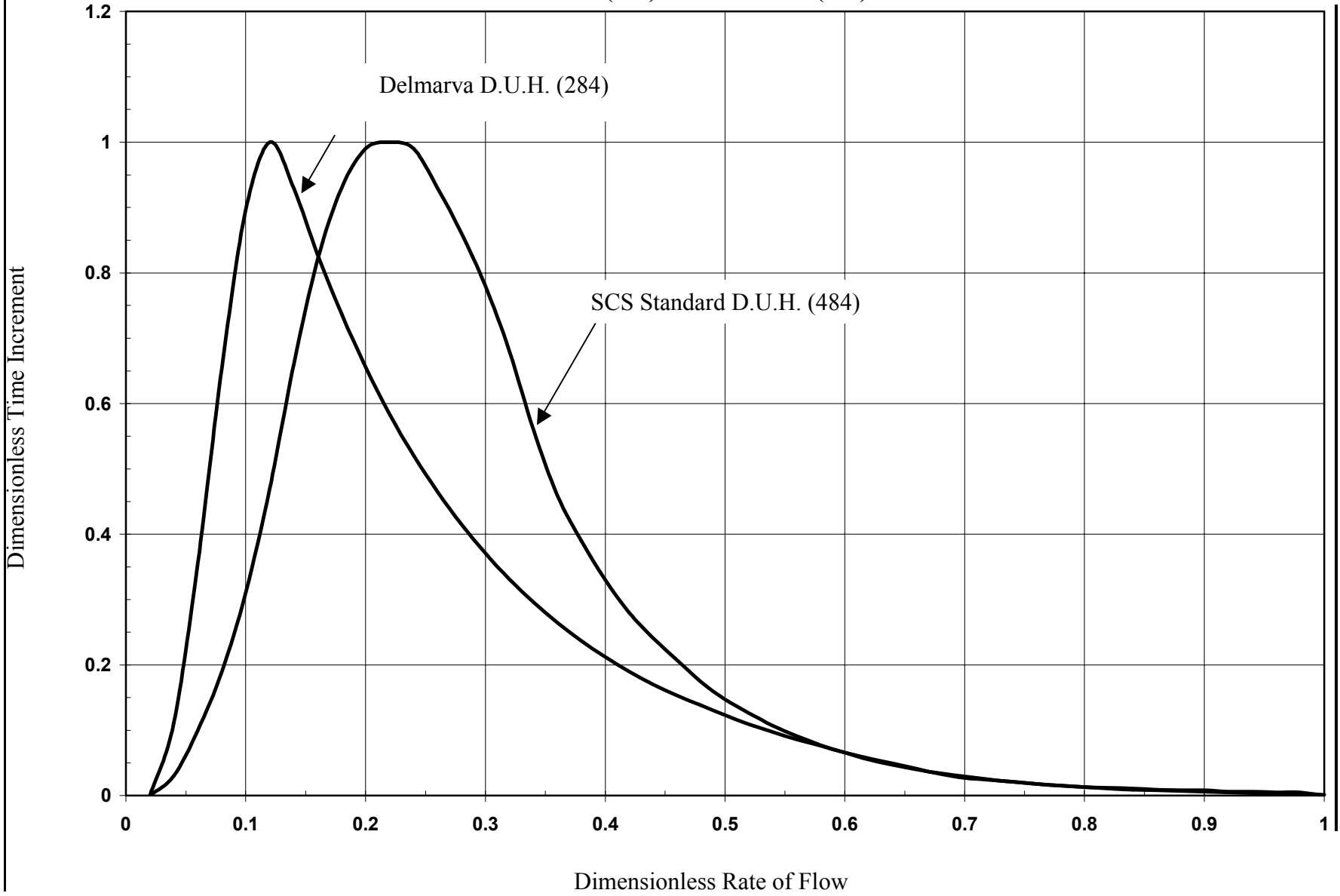


D-14.1

Appendix D.14..... Eastern Shore (Delmarva) Dimensionless Hydrograph

Figure D.14.2

Dimensionless Unit Hydrographs  
SCS (484) and Delmarva (284)



D-14.2

Dimensionless Time Increment

Dimensionless Rate of Flow

Appendix D.14..... Eastern Shore (Delmarva) Dimensionless Hydrograph

<b>Table D.14.1 Standard 24-Hour Dimensionless Unit Hydrograph</b>					
<b>Dimensionless Time Increment = 0.02</b>					
$\Delta t$	x.x0	x.x2	x.x4	x.x6	x.x8
0.0	0.0	0.0300	0.100	0.1900	0.31
0.1	0.47	0.66	0.82	0.93	0.99
0.2	1.00	0.99	0.93	0.86	0.78
0.3	0.68	0.56	0.46	0.39	0.33
0.4	0.28	0.241	0.207	0.174	0.147
0.5	0.126	0.107	0.091	0.077	0.066
0.6	0.055	0.047	0.04	0.034	0.029
0.7	0.025	0.021	0.018	0.015	0.013
0.8	0.011	0.009	0.008	0.007	0.006
0.9	0.005	0.004	0.003	0.002	0.001
1.0	0.0	0.0	0.0	0.0	0.0
<b>Computed Peak Rate Factor = 484.00</b>					

<b>Table D.14.2 24-Hour Dimensionless Unit Hydrograph for Use in the Delmarva Peninsula</b>					
<b>Dimensionless Time Increment = 0.02</b>					
$\Delta t$	x.x0	x.x2	x.x4	x.x6	x.x8
0.0	0.0	0.111	0.356	0.655	0.896
0.1	1.000	0.929	0.828	0.737	0.656
0.2	0.584	0.521	0.465	0.415	0.371
0.3	0.331	0.296	0.265	0.237	0.212
0.4	0.190	0.170	0.153	0.138	0.123
0.5	0.109	0.097	0.086	0.076	0.066
0.6	0.057	0.049	0.041	0.033	0.027
0.7	0.024	0.021	0.018	0.015	0.013
0.8	0.012	0.011	0.009	0.008	0.008
0.9	0.006	0.006	0.005	0.005	0.0
1.0	0.0	0.0	0.0	0.0	0.0
<b>Computed Peak Rate Factor = 284.00</b>					