

SCS Runoff Hydrograph

Descr. = PreDev-CompArea (1 min Time Int-Tc= 21)

Hydrograph No. = 6

**Basin Data**  
 Drainage Area (Ac) = 10.06  
 Curve Number (CN) = 79

**Time of Concentration**  
 Lag  Kirpich  User  TR55  
 Basin Slope (%) = 6.81  
 Hydraulic Length (Ft) = 320  
 Time of Conc. (Min) = 21.0

**Hydrologic Data**  
 Time Interval (Min) = 1  
 Storm Distribution = Type II  
 Storm Duration (Hrs) = 24

**Unit Hydrograph**  
  
 Qpu = 35.11 cfs Tpu = 13 min

**Options**  
 Shape Factor = 484  
 Return Period/Precip = Event Mgr.

Ok Results... Exit

Hydrograph Plot - SCS Runoff

File Graph Options

Exit Export Print Q vs T EI vs T Precip. Units

Hyd. No. 6 : PreDev-CompArea (1 min Time Int-Tc= 21min)

1-Yr  2-Yr  3-Yr  5-Yr  10-Yr  25-Yr  50-Yr  100-Yr  Show All

**PreDev-CompArea (1 min Time Int-Tc= 21min)**  
 Hyd. No. 6 -- 100 Year

Q (cfs) vs Time (hrs)

Time (hrs)	Outflow (cfs)
11.95	22.32
11.97	24.40
11.98	26.42
12.00	28.30
12.02	29.99
12.03	31.45
12.05	32.66
12.07	33.57
12.08	34.15
12.10	<34.36>
12.12	34.16
12.13	33.52
12.15	32.59
12.17	31.41
12.18	30.04
12.20	28.56
12.22	27.04
12.23	25.52
12.25	24.01
12.27	22.51

Qpk = 34.36 cfs Time to Peak = 12.10 hrs Hyd. Volume = 112,878 cuft

SCS Runoff Hydrograph

Descr. = ev-Comp Area (3min Time Int - Tc= 21min)

Hydrograph No. = 12

**Basin Data**  
 Drainage Area (Ac) = 10.06  
 Curve Number (CN) = 79

**Time of Concentration**  
 Lag  Kirpich  User  TR55  
 Basin Slope (%) = 6.81  
 Hydraulic Length (Ft) = 320  
 Time of Conc. (Min) = 21.0

**Hydrologic Data**  
 Time Interval (Min) = 3  
 Storm Distribution = Type II  
 Storm Duration (Hrs) = 24

**Unit Hydrograph**  
  
 Qpu = 30.43 cfs Tpu = 15 min

**Options**  
 Shape Factor = 484  
 Return Period/Precip = Event Mgr.

Ok Results... Exit

SCS Runoff 6.012 3 21.00 729.00 22,905 PreDev-Comp Area

Hydrograph Plot - SCS Runoff

File Graph Options

Exit Export Print Q vs T EI vs T Precip. Units

Hyd. No. 12 : PreDev-Comp Area (3min Time Int - Tc= 21min)

1-Yr  2-Yr  3-Yr  5-Yr  10-Yr  25-Yr  50-Yr  100-Yr  Show All

**PreDev-Comp Area (3min Time Int - Tc= 21min)**  
 Hyd. No. 12 -- 100 Year

Q (cfs) vs Time (hrs)

Time (hrs)	Outflow (cfs)
11.55	2.240
11.60	2.573
11.65	3.152
11.70	4.095
11.75	5.536
11.80	7.660
11.85	10.73
11.90	15.03
11.95	20.21
12.00	25.17
12.05	29.01
12.10	<31.05>
12.15	30.50
12.20	27.65
12.25	23.96
12.30	20.26
12.35	16.65
12.40	13.20
12.45	10.10
12.50	7.616

Qpk = 31.05 cfs Time to Peak = 12.10 hrs Hyd. Volume = 109,008 cuft