

Runoff Curve Numbers and Runoff Worksheet

Project : Remington Place 2nd Addition Pond 1
 Project No. : # 08758
 By : JEH
 Date : 4/7/2009

Post Conditions

$T_c = 15$

Cover Description, Cover Type, Treatment, Hydrologic Condition	C	Area (acres)	Product of C x area
Office	0.8	0.27	0.22
1/4 ac res. Lots	0.76	8.35	6.35
Pond	1	0.18	0.18
Total		8.8	6.74
C (weighted) = total product/total area		Use C =	0.77

Frequency (years) 100
 Intensity, i (in/hour) 7.36
 Runoff, $Q=C*i*A$ (cfs) 49.62

Reference: Urban Hydrology for Small Watersheds
 Technical Release 55, Soil Conservation Service
 U.S. Department of Agriculture, June 1986

Runoff Curve Numbers and Runoff Worksheet

Project : Remington Place 2nd Addition Pond 2
 Project No. : # 08758
 By : JEH
 Date : 4/7/2009

Post Conditions

Tc = 15

Cover Description, Cover Type, Treatment, Hydrologic Condition	C	Area (acres)	Product of C x area
Office	0.8	0.57	0.46
1/4 ac res. Lots	0.76	7.17	5.45
Pond	1	0.45	0.45
Total		8.19	6.36
C (weighted) = total product/total area		Use C =	0.78

Frequency (years) 100
 Intensity, i (in/hour) 7.36
 Runoff, Q=C*i*A (cfs) 46.77

Reference: Urban Hydrology for Small Watersheds
 Technical Release 55, Soil Conservation Service
 U.S. Department of Agriculture, June 1986

Runoff Curve Numbers and Runoff Worksheet

Project : Remington Place 2nd Addition Pond 3
 Project No. : # 08758
 By : JEH
 Date : 4/7/2009

Post Conditions

Tc = 15

Cover Description, Cover Type, Treatment, Hydrologic Condition	C	Area (acres)	Product of C x area
Office	0.8	0.11	0.09
1/4 ac res. Lots	0.76	0.45	0.34
Pond	1	0.3	0.30
Total		0.86	0.73
C (weighted) = total product/total area		Use C =	0.85

Frequency (years) 100
 Intensity, i (in/hour) 7.36
 Runoff, Q=C*i*A (cfs) 5.37

Reference: Urban Hydrology for Small Watersheds

Technical Release 55, Soil Conservation Service
U.S. Department of Agriculture, June 1986