Worksheet 3: Graphical peak discharge method

Project _____ By _____ Date _____

Location _____ Checked _____ Date _____

Circle one: Present Developed _____

1. Data:

   Drainage area.....A_m = _____ mi^2 (acres/640)

   Runoff curve number.....CN = _____ (from worksheet 1)

   Time of concentration....T_c = _____ hr (from worksheet 2)

   Rainfall distribution type = _____ (II or III)

   Pond and swamp areas spread throughout watershed..... = _____ percent of A_m (_____ acres covered)

			Storm #1	Storm #2	Storm #3
2.	Frequency	yr			
3.	Rainfall, P (24-hour)	in			
4.	Initial abstraction, I_a ..... (Use CN with table 6-7)	in			
5.	Compute I_a/P				
6.	Unit peak discharge q_u ..... (Use T_c and I_a/P with figure 6-3)	csm/in			
7.	Runoff, Q ..... (From worksheet 1).	in			
8.	Pond and swamp adjustment factor, F_p .... (Use percent pond and swamp area with table 6-2. Factor is 1.0 for zero percent pond and swamp area.)				
9.	Peak discharge, q_p ..... (Where $q_p = q_u A_m Q F_p$)	cfs			