Tr 55 Worksheet 4: Graphical Peak Discharge Method

Project: _____ Designed By: _____ Date: _____

Location: _____ Checked By: _____ Date: _____

Check one: ____ Present _____ Developed

1. Data:

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

   Runoff curve number .... CN = _____ (From Worksheet 2)

   Time of concentration ..... T_c = _____ hr (From Worksheet 3)

   Rainfall distribution type ..... = _____ (II, III, DMVIII)

   Pond and swamp areas spread throughout watershed ..... = _____ percent of A_m (_____ acres or mi^2 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 4-1.)	in			
5. Compute I_a/P.....				
6. Unit peak discharge, q_u..... (Use T_c and I_a/P with exhibit 4- 10)	csm/in			
7. Runoff, Q ..... (From Worksheet 2)	in			
8. Pond and swamp adjustment factor, F_p..... (Use percent pond and swamp area with Table 4-2. Factor is 1.0 for zero percent pond and swamp area.)	in			
9. Peak discharge, q_p..... (Where $q_p = q_u A_m Q F_p$)	cfs			

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