

Problem 20**Hydrograph Analysis for Ralston Creek Flood (July 1972)**

[a] 2 pts

$$V_d = \boxed{3374.8} \text{ cfs-hr}$$

[b] 1 pt

$$r_d = \boxed{1.737} \text{ in}$$

[c] 3 pts

$$\phi = \boxed{0.589} \text{ in/hr}$$

[d] 3 pts

Date	Time (hr)	P_e (in)
07/17/72	12.0	
	12.5	0.000
	13.0	
	13.5	0.000
	14.0	
	14.5	0.123
	15.0	
	15.5	0.990
	16.0	
	16.5	0.625
	17.0	
	17.5	0.000
	18.0	
	18.5	0.000
	19.0	
	19.5	0.000
	20.0	
	20.5	0.000
	21.0	
21.5	0.000	

[e] 1 pt

$$t_r = \boxed{3} \text{ hr}$$

[f] 1 pt

$$C = \boxed{0.424}$$