

## INFLOW HYDROGRAPH (TRIANGULAR - USBR METHOD)

DAM SITE:		Tm = 500 Yr.
CATCHMENT AREA IN SQ. MILES	48	CN: 85 S = 1.7647
L (MILES)	19.6	Tc (hr) = 4.8007
H (FEET)	1523	D (hr) = 0.500
24 hr rainfall =		12.25 Inches
Time	%	Inches
0 - 6 hr	88	10.780
0 - 12 hr	95	11.638
0 - 24 hr	100	12.250
		Tp = 3.130 Tb = 8.348 Qp = 7421

Time Hours	Rainfall in inches					Direct ru cummul Inches
	Hourly	Cummu- lative	Incre- mental	Rearr- anged	Rearr. Cummul.	
0.500	6.13	3.063	3.063	0.123	0.123	0.000
1.000	6.13	6.125	3.063	0.184	0.306	0.000
1.500	2.33	7.289	1.164	0.306	0.613	0.033
2.000	2.33	8.453	1.164	0.551	1.164	0.255
2.500	1.10	9.004	0.551	1.164	2.328	1.043
3.000	1.10	9.555	0.551	1.164	3.491	2.009
3.500	0.61	9.861	0.306	3.063	6.554	4.827
4.000	0.61	10.168	0.306	3.063	9.616	7.781
4.500	0.37	10.351	0.184	0.551	10.168	8.319
5.000	0.37	10.535	0.184	0.306	10.474	8.618
5.500	0.25	10.658	0.123	0.184	10.658	8.798
6.000	0.25	10.780	0.123	0.123	10.780	8.918
12.000	0.86	11.638	0.858	0.858	11.638	9.759

DAM SITE:

CATCHMENT (For AMC II)  
AREA IN  
SQ. MILES

L (MILES)  
H (FEET)        6.000

24 hr rainfall

Time  
0 - 6 hr        5.880  
0 - 12 hr      15.681  
0 - 24 hr      3951

Time Hours	inoff		Incremental hydrograph		
	incom. Inches	Qp cfs	Time in hours begin	peak	end
0.500	0.000	0	0.00	3.130	8.348
1.000	0.000	0	0.50	3.630	8.848
1.500	0.033	247	1.00	4.130	9.348
2.000	0.222	1647	1.50	4.630	9.848
2.500	0.787	5844	2.00	5.130	10.348
3.000	0.966	7170	2.50	5.630	10.848
3.500	2.818	20916	3.00	6.130	11.348
4.000	2.954	21922	3.50	6.630	11.848
4.500	0.538	3991	4.00	7.130	12.348
5.000	0.299	2221	4.50	7.630	12.848
5.500	0.180	1334	5.00	8.130	13.348
6.000	0.120	890	5.50	8.630	13.848
12.000	0.841	3321	6.00	11.880	21.681

CHANGHOZ DAM PROJECT  
500 YEAR FLOOD HYDROGRAPH

