Excess Rainfall, Runoff, Peak Inflow, Outflow at Dam and Peak Discharges at D/S Control Points for Different Return Periods

Return Period	42-Hour Excess Rainfall (Inch)	Runoff Volume (ac-ft)	Peak Inflow (cfs)	Peak Outflow (cfs)	Max. W.S. Elev. (ft. NGVD)	Peak Discharge (cfs) @ Control Points Without Dam Release			Peak Discharge (cfs) @ Control Points With Dam Release		
						CP-2	CP-3	CP-4	CP-2	CP-3	CP-4
SPF	7.04	8,260	8,000	5,060	283.23	N/A	N/A	N/A	5,632	6,068	6,520
500-Year	8.35	9,800	11,758	5,644	283.5	1,126	2,026	3,009	6,594	7,233	7,967
200-Year	6.59	7,700	9,169	1,500	277.9	903	1,625	2,415	1,881	2,452	3,209
100-Year	5.27	6,200	7,302	1,486	268.9	741	1,336	1,986	1,784	2,178	2,798
50-Year	4.06	4,700	5,539	1,500	257.7	589	1,062	1,581	1,861	2,199	2,636
25-Year	2.91	3,400	3,940	1,500	245.07	448	812	1,210	1,818	2,127	2,529
10-Year	1.62	1,900	2,145	1,351	230.5	294	536	801	1,638	1,876	2,133

Locations
CP-2 at Harbor Boulevard
CP-3 at Bastanchury Road
CP-4 at Union Pacific Railroad

BREA DAM
SAN GABRIEL RIVER BASIN
CALIFORNIA

EXCESS RAINFALL, RUNOFF, PEAK INFLOW, OUTFLOW, AT DAM & PEAK DISCHARGES AT D/S CONTROL POINTS FOR DIFFERENT RETURN PERIODS

U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT

PLATE 6-01