DRAFT - DWR

Comparison of Central Valley Hydrology Study and Mud/Big Chico Creek Flood System Capacities

(flow, in cubic feet per second)

1/13/2014

Stream	Location Point	Annual Exceedence Probability[1]					SPFC Design Capacity - 1957 Profile[2]
		0.1 (10-Year)	0.02 (50-Year)	0.01 (100-Year)	0.005 (200-Year)	0.002 (500-Year)	
Big Chico Creek above BCC Gates	12	6,779	10,529	12,232	13,979	16,353	16,000
Downstream end of Sycamore Diversion Channel	11	2,316	4,903	6,076	7,279	9,024	8,500
Confluence of Sycamore Creek and Sycamore Branch	10	3,121	6,056	7,371	8,723	10,652	10,000
Upstream end of Dry Creek levees	9	973	1,386	1,557	1,738	1,980	500
Confluence of Sycamore Creek and Dry Creek	8	3,195	6,160	7,498	8,880	10,848	10,000
Upstream end of Sheep Hallow SPFC levees	7	2,067	2,825	3,152	3,491	3,942	1,400
Confluence of Sheep Hallow and Sycamore Creek	6	3,983	7,274	8,743	10,262	12,406	11,000
Upstream end of Mud Creek SPFC Levees	5	2,235	3,803	4,517	5,242	6,228	5,500
Confluence of Sycamore Creek and Mud Creek	4	4,563	9,191	11,344	13,544	16,566	15,000
Mud Creek dowstream of UPRR crossing	3	4,815	9,422	11,619	13,858	16,958	13,000
Confluence of Mud Creek and Rock Creek	2	8,091	14,795	17,816	20,897	25,129	13,000
Immediately upstream of Mud Creek and Big Chico Creek confluence	1	11,390	18,923	22,389	25,959	30,898	13,000

[1]Central Valley Hydrology Study

[2]State Plan of Flood Control facilities are the State-Federal flood control project.