

## Geometry of the San Joaquin River and Deep Water Ship Channel

		Volume (acre-feet)											
Downstream	Flow (cfs)	750	1000	1250	1500	2000	2500	3000	3500	4000	5000	6000	7000
SJR Mile													
118.2	Above Merced River	1,253	1,538	1,808	2,067	2,577	3,039	3,479	3,890	4,277	5,021	5,715	6,357
83.8	Merced to Tuolumne	2,592	3,098	3,586	4,047	4,936	5,782	6,597	7,377	8,138	9,629	11,071	12,470
72.2	Tuolumne to Vernalis	1,169	1,423	1,670	1,902	2,335	2,736	3,140	3,504	3,848	4,520	5,150	5,759
56.2	Vernalis to Mossdale	1,493	1,647	1,807	1,965	2,276	2,565	2,847	3,119	3,372	3,843	4,279	4,690
	Mossdale to DWSC	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
	DWSC to Turner Cut	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
Reach 1	Merced to Vernalis	3,761	4,521	5,257	5,948	7,271	8,518	9,737	10,881	11,987	14,149	16,221	18,229
Reach 2	Vernalis to DWSC	3,993	4,147	4,307	4,465	4,776	5,065	5,347	5,619	5,872	6,343	6,779	7,190
Reach 3	DWSC to Turner Cut	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000

		Velocity (ft/sec)											
Downstream	Flow (cfs)	750	1000	1250	1500	2000	2500	3000	3500	4000	5000	6000	7000
SJR Mile													
118.2	Above Merced River	1.3	1.4	1.5	1.5	1.7	1.8	1.8	1.9	2.0	2.1	2.2	2.3
83.8	Merced to Tuolumne	1.5	1.6	1.7	1.8	1.9	2.1	2.1	2.2	2.3	2.4	2.5	2.6
72.2	Tuolumne to Vernalis	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9	2.0	2.1	2.2
56.2	Vernalis to Mossdale	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.7	1.9	2.0	2.2
	Mossdale to DWSC	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7
	DWSC to Turner Cut	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.5
Reach 1	Merced to Vernalis	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.4
Reach 2	Vernalis to DWSC	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.5
Reach 3	DWSC to Turner Cut	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.5





