

**Table 2.** Water allocation volumes for California's major rivers. See figure S4 for river locations.

River	Drainage area (km <sup>2</sup> )	Annual natural runoff (Mm <sup>3</sup> ) <sup>a</sup>	Water rights allocation <sup>b</sup> (Mm <sup>3</sup> )	Percent runoff allocated	Percent allocated to public <sup>c</sup>
Smith River	1864	3659	8	0.2% (0.2%)	82%
Klamath River	31 402	18 213	5833 <sup>d</sup>	32% (100%) <sup>d</sup>	99%
Trinity River	7692	6006	5635	94% (250%)	100%
Eel River	9536	8330	42	1% (2.6%)	31%
Russian River	3846	2194	1141	52% (113%)	89%
Salinas River	11 082	431	1032	239% (343%)	99%
Sacramento River	67 830	23 282*	35 336*	152% (655%)	92%
Pit River	14 220	3454	217	6% (500%)	62%
Cottonwood Creek	2444	702	11	2% (2%)	57%
Stony Creek	2012	494	268	54% (484%)	98%
Feather River	15 350	9027	16 934	188% (633%)	98%
Yuba River	3483	2966	3613	122% (431%)	97%
Cache Creek	2971	714	1149	161% (213%)	98%
Putah Creek	1694	471 *	3171 *	673% (886%)	98%
San Joaquin River	45 877	7949 *	68 473 *	861% (1585%)	97%
Mokelumne River	5157	1646	2335	142% (436%)	96%
Consumnes River	2460	576	304	53% (53%)	88%
Stanislaus River	3100	1342	5246	391% (1787%)	99%
Tuolumne River	4851	2022	3273	162% (438%)	99%
Merced River	3288	1170	1285	110% (583%)	99%
Kings River	5046	1799	1412	78% (520%)	0%
Kern River	6322	801	5057	631% (1185%)	100%
Owens River	9004	539	19	4% (224%)	34%
Salton Sea	15 219	227	1601	705% (710%)	96%
Santa Ynez	2322	249	831	334% (334%)	99%
Santa Clara River	4165	264	417	158% (196%)	99%
Santa Ana River	6370	306	559	183% (183%)	85%

<sup>a</sup> Mean annual runoff at outlet, predicted from statistical model (1951–2010 average).<sup>b</sup> Water right allocations percentages, excluding water rights for hydropower. Allocations levels including hydropower shown in parentheses.<sup>c</sup> Proportion of cumulative water right allocation (excluding hydropower), that are held by public entities including federal, state, and municipal agencies.<sup>d</sup> Klamath River water rights calculations do not account for water allocations in upper river basin located in the State of Oregon.