

Agricultural, Urban, and Native Lands							
Decade	Inflows			Evapotranspiration	Outflows		Change in Storage
	Precipitation	Diversions	Pumping		Runoff	Deep Percolation ¹	
1920s (1922-1929)	6,051	1,758	451	6,173	1,490	567	31
1960s (1960-1969)	6,143	3,757	1,262	7,925	2,433	800	5
2000s (2000-2009)	6,470	4,487	2,253	8,950	3,510	758	-8

1. Deep percolation from root zone to unsaturated zone. Differs from deep percolation from unsaturated zone to groundwater for any given month or year due to time required from percolation between root zone and groundwater system.

Table 3-6 Summary of Sacramento Valley Historical Water Balance from C2 Sim R374 for Agricultural, Urban, and Native Lands (TAF)

Streams and Rivers							
Decade	Inflows				Runoff	Outflows	
	Surface Water Inflow ¹	Runoff from Small Watersheds	Net Accretions ²	Surface Water Outflow ³		Diversions ⁴	Evaporation ⁵
1920s (1922-1929)	15,399	917	953	1,465	16,001	2,570	163
1960s (1960-1969)	19,601	1,044	402	2,415	18,418	4,837	206
2000s (2000-2009)	19,020	1,079	-358	3,441	18,668	4,312	201

1. Includes rim flows and imports.
 2. Accretions from groundwater, net of depletions.
 3. Calculated as closure at Sacramento River, upstream of confluence with San Joaquin River.
 4. Includes diversions and exports out of region.
 5. Estimated as 1% of surface water inflow and runoff from small watersheds.

Table 3-7 Summary of Sacramento Valley Historical Water Balance from C2VSim R374 for Streams and Rivers (TAF)

Groundwater System					
Decade	Inflows			Pumping	Change in Storage
	Boundary Inflow ¹	Deep Percolation ²	Stream and River Depletions ³		
1920s (1922-1929)	437	779	-953	451	-188
1960s (1960-1969)	334	1,153	-402	1,262	-177
2000s (2000-2009)	418	1,174	358	2,253	-303

1. Net of boundary outflows. Includes gains to storage from subsidence.
 2. Deep percolation from unsaturated zone to groundwater system.
 3. Depletions from streams, net of accretions.

source: Northern California Water Association, 2014

Table 3-8 Summary of Sacramento Valley Historical Water Balance from C2VSim R374 for the Groundwater System (TAF)