

Water Portfolios

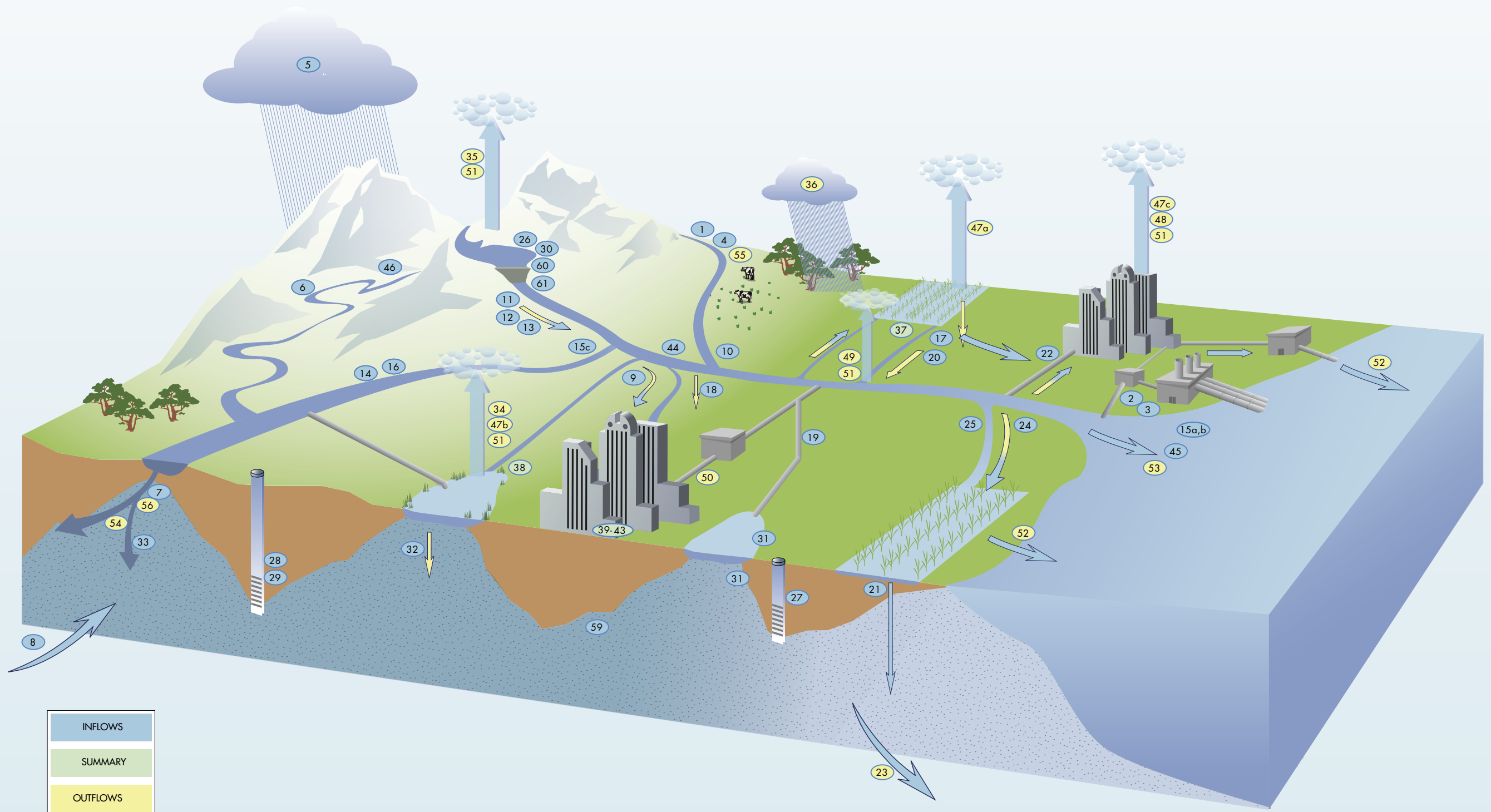
Sacramento River Hydrologic Region

Table 6-4 Sacramento River region water portfolio (TAF)

ID Number:	Flow Diagram Component (see legend)	Sacramento River 1998	Sacramento River 2000	Sacramento River 2001
1	Colorado River Deliveries	-	-	-
2	Total Desalination	-	-	-
3	Water from Refineries	-	-	-
4a	Inflow From Oregon	-	-	-
b	Inflow From Mexico	-	-	-
5	Precipitation	89,500.1	57,105.9	35,894.8
6a	Runoff - Natural			
b	Runoff - Incidental			
7	Total Groundwater Natural Recharge			
8	Groundwater Subsurface Inflow			N/A
9	Local Deliveries	13,939.5	12,204.8	8,843.0
10	Local Imports	9.7	10.4	8.5
11a	Central Valley Project :: Base Deliveries	1,572.3	1,912.9	2,002.0
b	Central Valley Project :: Project Deliveries	418.4	553.8	495.3
12	Other Federal Deliveries	198.0	228.3	239.5
13	State Water Project Deliveries	14.9	14.9	19.6
14a	Water Transfers - Regional	-	-	-
b	Water Transfers - Imported	-	-	-
15a	Releases for Delta Outflow - CVP			
b	Releases for Delta Outflow - SWP			
c	Instream Flow Applied Water	3,699.6	3,759.8	3,747.5
16	Environmental Water Account Releases	0	264	242
17a	Conveyance Return Flows to Developed Supply - Urban	-	-	-
b	Conveyance Return Flows to Developed Supply - Ag	60.0	44.5	45.4
c	Conveyance Return Flows to Developed Supply - Managed Wetlands	-	-	-
18a	Conveyance Seepage - Urban	-	-	-
b	Conveyance Seepage - Ag	208.1	273.3	271.8
c	Conveyance Seepage - Managed Wetlands	23.8	24.5	13.4
19a	Recycled Water - Agriculture	-	-	-
b	Recycled Water - Urban	-	-	-
c	Recycled Water - Groundwater	-	-	-
20a	Return Flow to Developed Supply - Ag	996.7	1,211.2	955.2
b	Return Flow to Developed Supply - Wetlands	4.0	4.2	4.4
c	Return Flow to Developed Supply - Urban	2.6	2.6	2.6
21a	Deep Percolation of Applied Water - Ag	179.3	299.8	320.3
b	Deep Percolation of Applied Water - Wetlands	8.3	11.6	12.3
c	Deep Percolation of Applied Water - Urban	80.0	91.6	91.4
22a	Reuse of Return Flows within Region - Ag	367.6	569.2	446.1
b	Reuse of Return Flows within Region - Wetlands, Instream, W&S	4,964.2	4,442.0	3,752.8
24a	Return Flow for Delta Outflow - Ag	-	-	227.9
b	Return Flow for Delta Outflow - Wetlands, Instream, W&S	1,564.2	1,413.2	965.0
c	Return Flow for Delta Outflow - Urban Wastewater	-	-	-
25	Direct Diversions			
26	Surface Water in Storage - Beg of Yr	9,727.2	11,603.3	10,502.6
27	Groundwater Extractions - Banked	-	-	-
28	Groundwater Extractions - Adjudicated	-	-	-
29	Groundwater Extractions - Unadjudicated	1,854.7	2,815.2	2,926.9
23	Groundwater Subsurface Outflow	N/A	N/A	N/A
30	Surface Water Storage - End of Yr	12,479.2	10,502.6	8,090.8
31	Groundwater Recharge-Contract Banking	-	-	-
32	Groundwater Recharge-Adjudicated Basins	-	-	-
33	Groundwater Recharge-Unadjudicated Basins	-	-	-
34a	Evaporation and Evapotranspiration from Native Vegetation			
b	Evaporation and Evapotranspiration from Unirrigated Ag			
35a	Evaporation from Lakes	320.7	331.5	326.1
b	Evaporation from Reservoirs	700.7	798.5	728.9
36	Ag Effective Precipitation on Irrigated Lands	1358	1057.5	1056.6
37	Agricultural Water Use	5,841.2	7,927.1	7,781.7
38	Managed Wetlands Water Use	398.3	429.5	445.7
39a	Urban Residential Use - Single Family - Interior	120.0	136.1	139.8
b	Urban Residential Use - Single Family - Exterior	224.3	267.9	273.0
c	Urban Residential Use - Multi-family - Interior	71.5	87.2	89.4
d	Urban Residential Use - Multi-family - Exterior	19.5	23.8	24.3
40	Urban Commercial Use	113.1	140.4	137.5
41	Urban Industrial Use	77.3	84.2	84.5
42	Urban Large Landscape	91.8	111.2	120.1
43	Urban Energy Production	-	0.3	0.1
44	Instream Flow	586.3	600.2	614.1
45	Required Delta Outflow	9505	7231.6	4486.2
46	Wild and Scenic Rivers	947.7	782.8	320.5
47a	Evapotranspiration of Applied Water - Ag	3677.9	4983.2	4908.4
b	Evapotranspiration of Applied Water - Managed Wetlands	127.5	169.7	162.9
c	Evapotranspiration of Applied Water - Urban	313.2	378.8	384.4
48	Evaporation and Evapotranspiration from Urban Wastewater	0.2	0.1	0.2
49	Return Flows Evaporation and Evapotranspiration - Ag	122	173.4	174.2
50	Urban Waste Water Produced	253	299.7	312.6
51a	Conveyance Evaporation and Evapotranspiration - Urban	4.9	4.3	4.3
b	Conveyance Evaporation and Evapotranspiration - Ag	40.6	61.5	59.9
c	Conveyance Evaporation and Evapotranspiration - Managed Wetlands	11.7	16.3	15.5
d	Conveyance Outflow to Mexico			
52a	Return Flows to Salt Sink - Ag	637	869.5	931.5
b	Return Flows to Salt Sink - Urban	314.3	370.4	381.2
c	Return Flows to Salt Sink - Wetlands	179.24	164.1	169.3
53	Remaining Natural Runoff - Flows to Salt Sink	33,981.9	10,924.2	2,457.9
54a	Outflow to Nevada	-	-	-
b	Outflow to Oregon	-	-	-
c	Outflow to Mexico	-	-	-
55	Regional Imports	901.1	1,150.3	700.4
56	Regional Exports	5193.6	6250.8	4657.1
59	Groundwater Net Change in Storage	739.9	-150.8	-1,147.6
60	Surface Water Net Change in Storage	2,752.0	-1,100.7	-2,411.8
61	Surface Water Total Available Storage	16,145.6	16,145.6	16,145.6

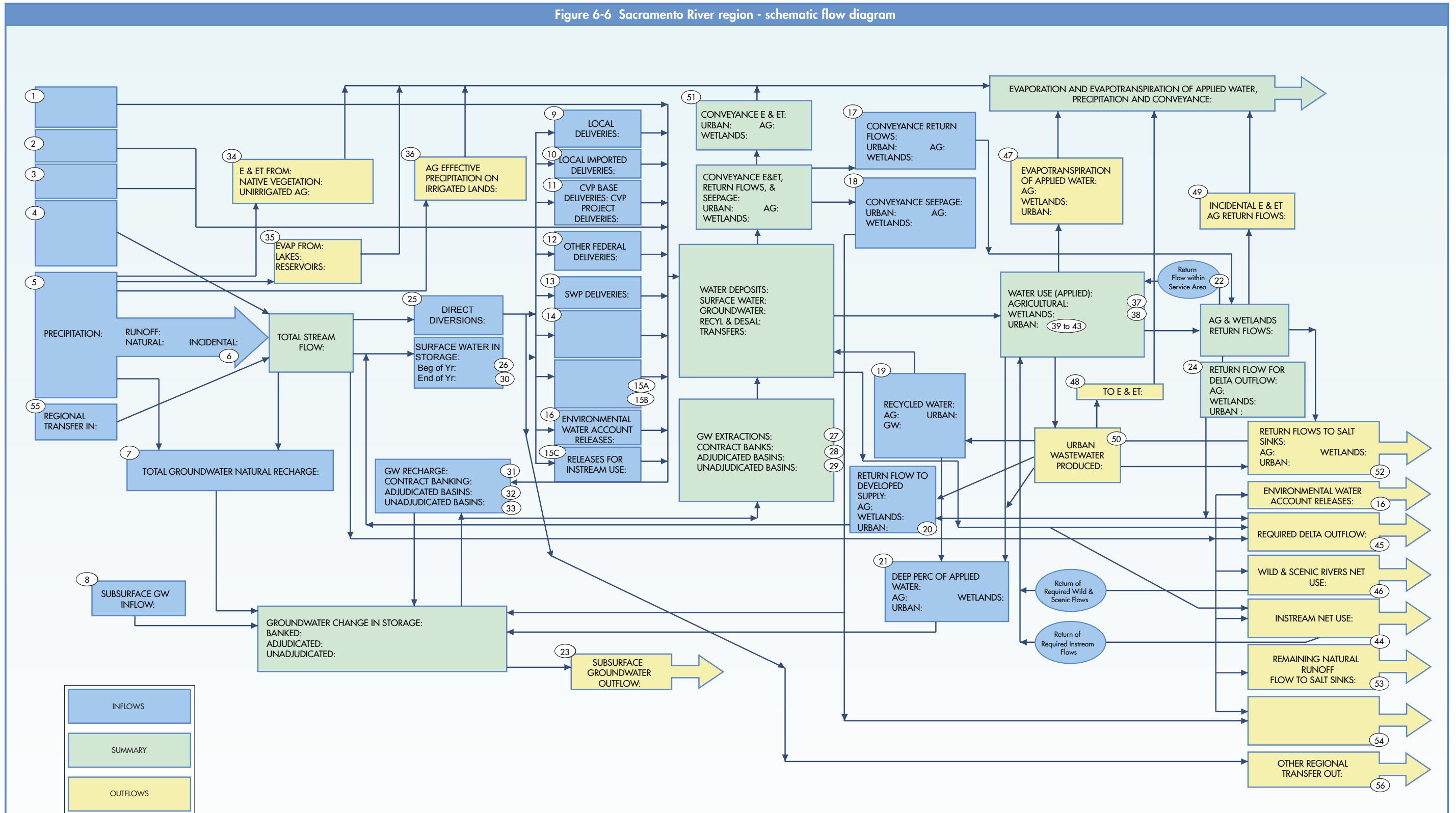
Inflows
 Outflows
 Green number signifies included in summary boxes

Figure 6-5 Sacramento River region - illustrated water flow diagram



In this illustration of Table 6-4, key components of the flow diagram are shown as characteristic elements of the hydrologic cycle. Circled numbers correspond to the identification number of flow diagram components in the table; its color indicates whether the component is water input, output, or summary.

Figure 6-6 Sacramento River region - schematic flow diagram



In schematic of Table 6-4, key components of the flow diagram are shown as boxes and connectors in a flow chart. Circled numbers correspond to the identification number of flow diagram components in the table; box color indicates whether the component is water input, output, or summary. Blank boxes are flow diagram components not relevant to the region.