



C. Subinventory Unit Land Use and Water Budgets

This appendix presents land use and water budget information for Butte County subinventory units (SIUs) (Figure C.1). This information is analogous to information presented in Sections 3 and 5 of the WI&A, but describes individual SIUs that make up the WI&A inventory units (IUs). Information for the following SIUs is provided:

- Vina IU (C.1)
 - Vina SIU (C.1.1)
- West Butte IU (C.2)
 - Angel Slough SIU (C.2.1)
 - Durham/Dayton SIU (C.2.2)
 - Llano Seco SIU (C.2.3)
 - M&T SIU (C.2.4)
 - Western Canal SIU (West Butte Portion) (C.2.5)
- East Butte IU (C.3)
 - Biggs-West Gridley SIU (C.3.1)
 - Butte SIU (C.3.2)
 - Butte Sink SIU (C.3.3)
 - Cherokee SIU (C.3.4)
 - Esquon SIU (C.3.5)
 - Pentz SIU (C.3.6)
 - Richvale SIU (C.3.7)
 - Thermalito SIU (C.3.8)
 - Western Canal SIU (East Butte Portion) (C.3.9)
- North Yuba IU (C.4)
 - North Yuba SIU (C.4.1)
- Foothill IU (C.5)¹
 - Cohasset SIU (C.5.1)
 - Ridge SIU (C.5.2)

For each SIU, the following information are provided:

- Figure showing general land use from 1995 to 2014 in five-year intervals
- Figure showing annual irrigated agricultural land use by general crop type from 2000 to 2014²

¹ For the Foothill IU, information describing the Cohasset and Ridge SIUs represent the portion of the IU included in the Butte Basin Groundwater Model (BBGM) domain. Detailed land use and water budgets for other portions of the IU have not been prepared at this time.

² These figures include estimated annual idle acres, which are estimated as total acreage within each SIU, minus all other land use types (crops, developed lands, wetlands, and non-irrigated native lands). As a result, annual estimates of idle land are subject to relatively greater uncertainty than other land uses, as is apparent for SIUs with

- Tables showing annual land use
- Figures showing average annual land surface (root zone) water budget inflows and outflows by general land use category
- Figure showing total annual inflows and outflows, 2000 to 2014
- Table showing annual inflows and outflows for 2000 to 2014 with summary statistics and averages by hydrologic year type³

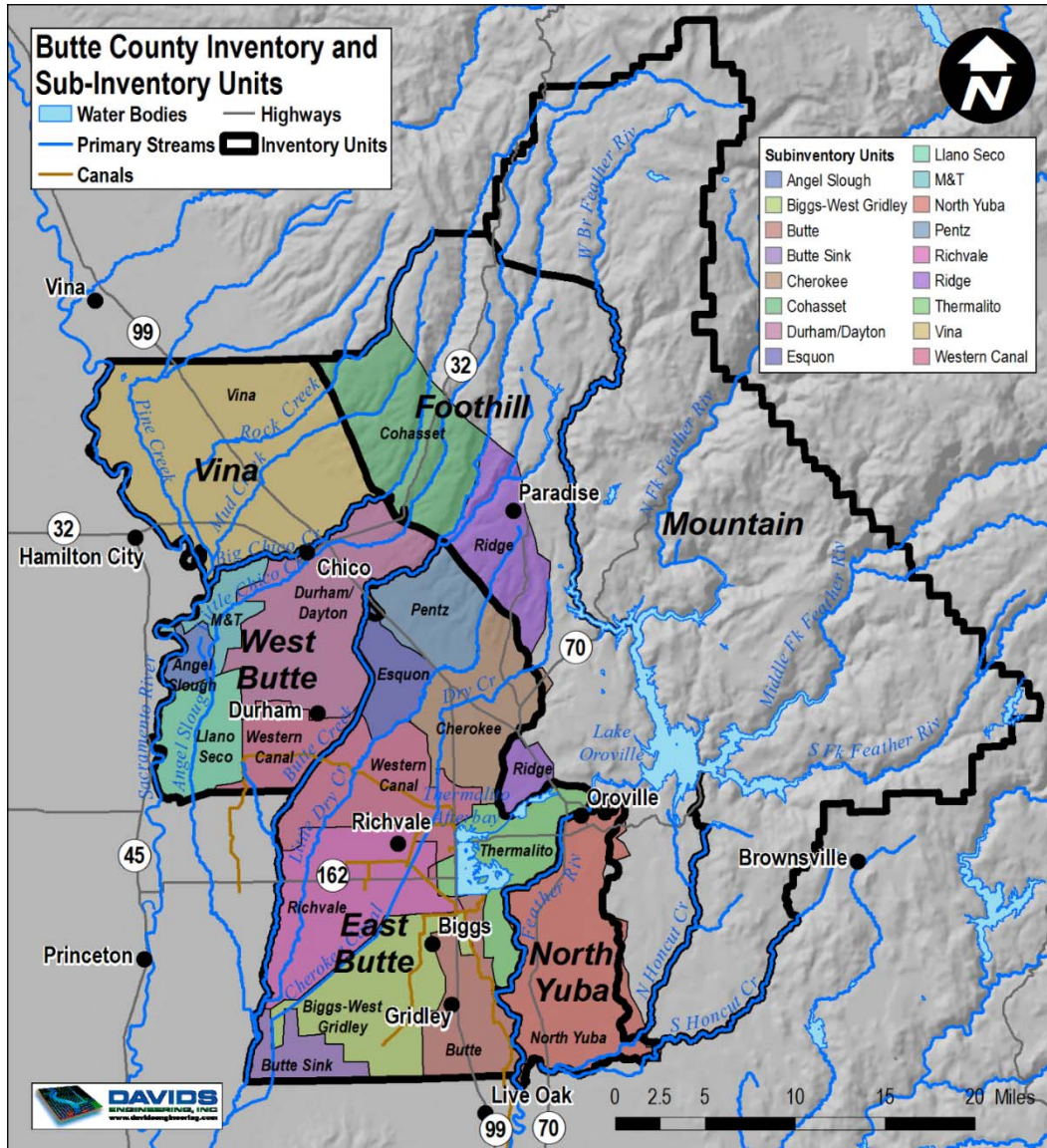


Figure C.1. Butte County Water Inventory and Analysis Inventory Units and Subinventory Units.

relatively limited irrigated agriculture. Because idle lands are hydrologically similar to non-irrigated lands, these uncertainties are not believed to significantly affect water budget results.

³ Hydrologic year types are characterized as Wet (W), Above Normal (AN), Below Normal (BN), Dry (D), and Critical (C) based on the Sacramento Valley Water Year Index, as described in Section 4 of the WI&A.

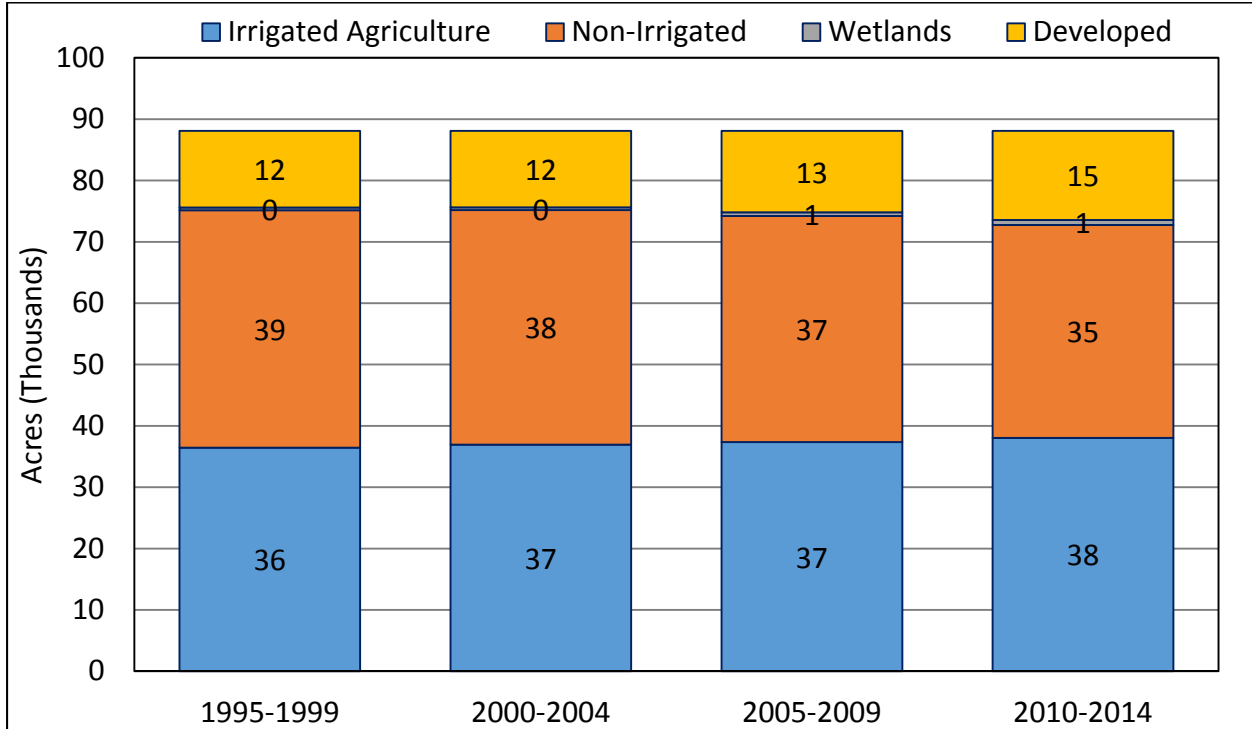


C.1. Vina Inventory Unit

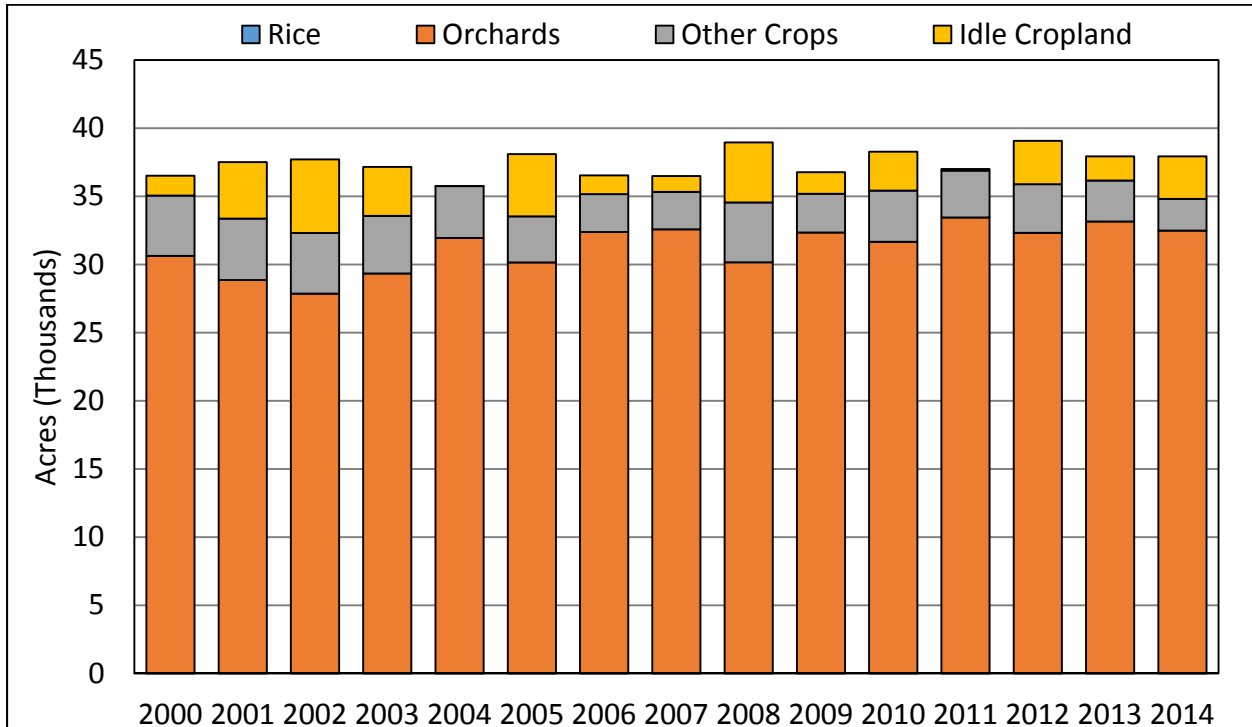
C.1.1. Vina Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	0	14,763	10,505	4,890	478	1,089	997	2,338	1,462	35,058	36,520
2001	0	13,552	10,417	4,402	498	1,229	1,097	2,176	4,150	33,370	37,520
2002	0	12,628	10,652	4,152	433	1,118	1,363	1,965	5,401	32,310	37,711
2003	0	13,192	11,720	3,992	438	1,219	1,464	1,551	3,586	33,576	37,162
2004	0	14,178	13,116	4,283	380	952	1,727	1,116	17	35,752	35,769
2005	0	13,088	13,504	3,084	475	580	1,451	1,351	4,568	33,532	38,100
2006	0	12,952	14,664	4,349	423	1,053	1,534	193	1,379	35,167	36,546
2007	0	13,184	14,564	4,407	433	1,131	1,445	170	1,153	35,335	36,488
2008	0	11,587	13,832	4,102	649	1,123	1,301	1,968	4,392	34,562	38,954
2009	0	12,615	14,935	4,410	391	1,040	1,353	450	1,587	35,194	36,781
2010	0	12,304	14,460	4,332	576	843	1,238	1,667	2,856	35,422	38,278
2011	0	12,370	16,213	4,236	632	1,096	1,236	1,111	123	36,893	37,016
2012	0	12,100	15,604	4,027	597	1,379	1,208	976	3,185	35,892	39,077
2013	0	11,917	16,945	3,715	582	887	1,121	993	1,776	36,159	37,936
2014	0	11,976	16,997	2,986	537	109	1,181	1,035	3,114	34,821	37,935
Min	0	11,587	10,417	2,986	380	109	997	170	17	32,310	35,769
Max	0	14,763	16,997	4,890	649	1,379	1,727	2,338	5,401	36,893	39,077
Average	0	12,827	13,875	4,091	501	990	1,314	1,271	2,583	34,870	37,453

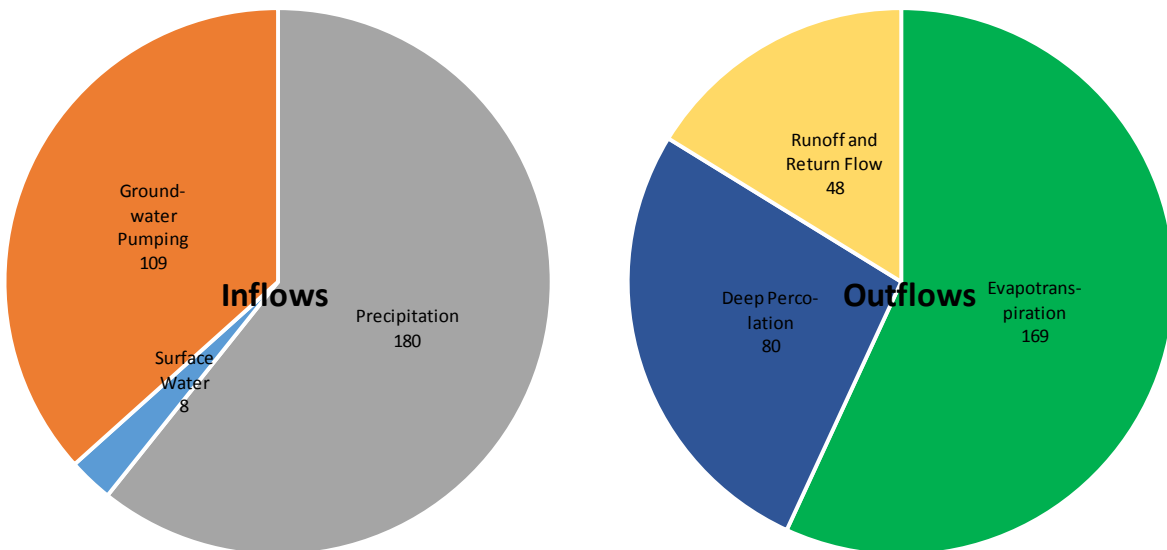


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	472	12,706	38,389	51,567
2001	446	12,201	37,920	50,567
2002	444	12,141	37,791	50,376
2003	441	12,430	38,055	50,926
2004	454	12,819	39,044	52,318
2005	473	12,333	37,181	49,988
2006	547	13,230	37,765	51,541
2007	606	13,571	37,423	51,599
2008	633	13,144	35,357	49,133
2009	720	14,139	36,447	51,307
2010	757	14,046	35,007	49,810
2011	852	14,856	35,363	51,072
2012	806	14,298	33,907	49,011
2013	818	14,712	34,622	50,152
2014	815	14,689	34,649	50,152
Min	441	12,141	33,907	49,011
Max	852	14,856	39,044	52,318
Average	619	13,421	36,595	50,635

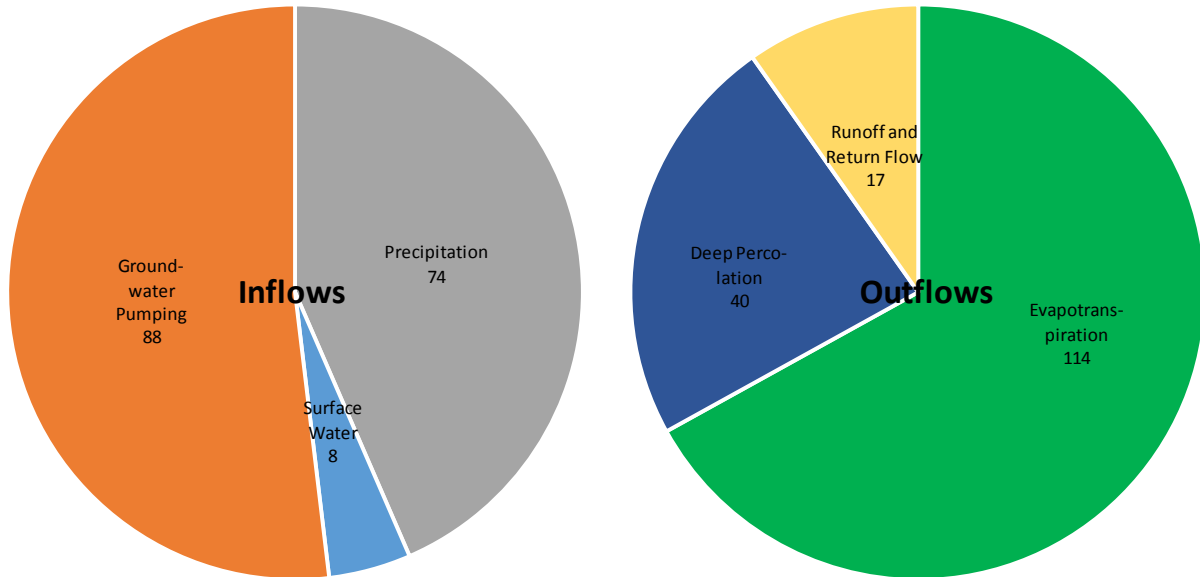
Water Budgets

Vina Inventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

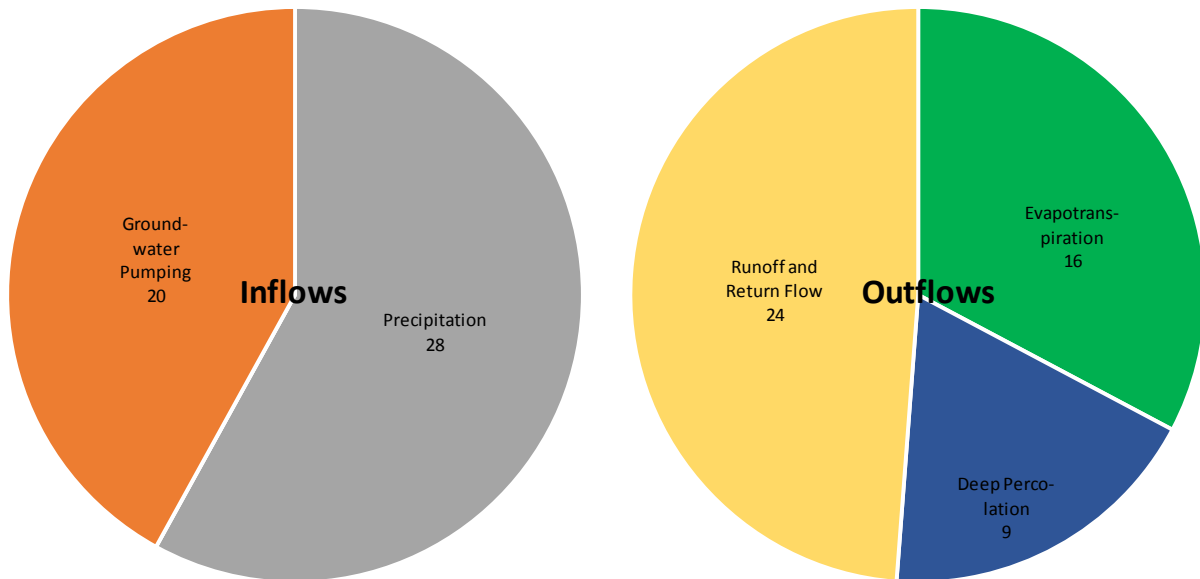




Vina Inventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

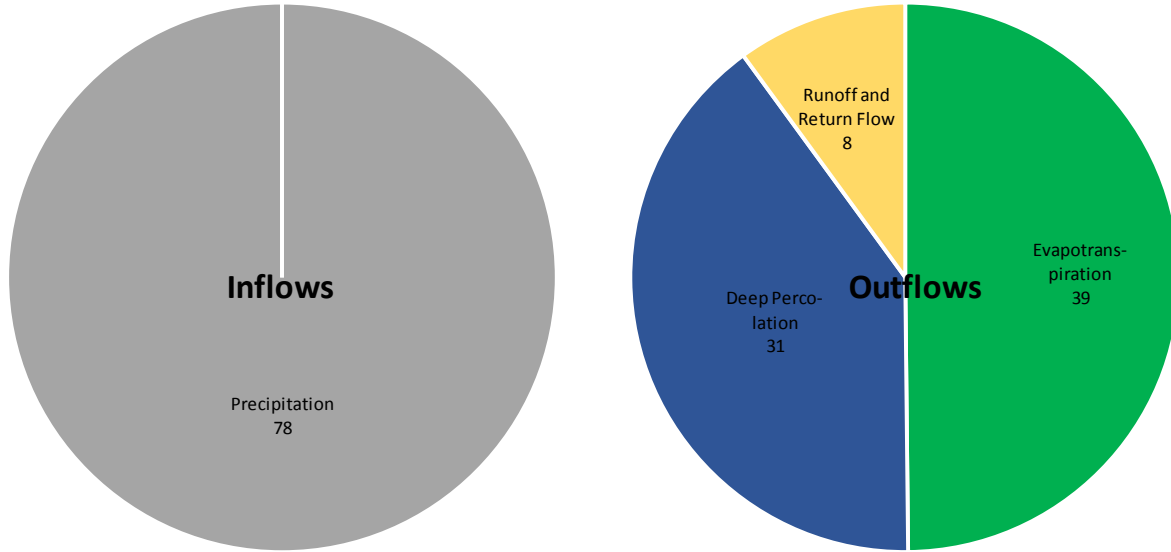


Vina Inventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

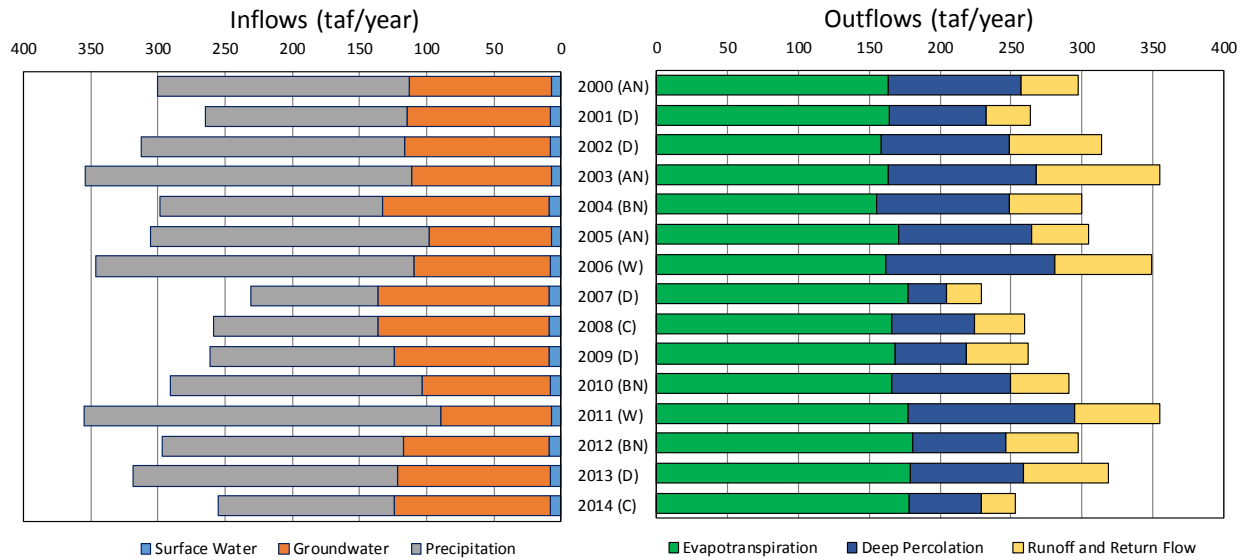




Vina Inventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Vina Inventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	187	7	106	163	94	40	-2
2001 (D)	150	8	107	164	68	31	0
2002 (D)	196	8	109	158	91	65	-1
2003 (AN)	243	7	104	163	105	87	2
2004 (BN)	166	9	124	155	94	51	-1
2005 (AN)	208	7	91	171	93	40	2
2006 (W)	237	8	102	162	119	68	2
2007 (D)	95	9	127	177	27	24	-2
2008 (C)	122	9	128	166	59	35	-1
2009 (D)	136	9	116	169	50	43	2
2010 (BN)	188	8	96	166	84	41	1
2011 (W)	265	7	82	177	118	60	2
2012 (BN)	180	9	108	181	65	51	-1
2013 (D)	197	8	114	179	79	60	8
2014 (C)	131	8	116	179	50	24	-7
Minimum	95	7	82	155	27	24	-7
Maximum	265	9	128	181	119	87	8
Average	180	8	109	169	80	48	0
Averages by Hydrologic Year Type							
Wet (W)	251	7	92	169	119	64	2
Above Normal (AN)	213	7	100	166	97	56	0
Below Normal (BN)	178	8	109	167	81	48	0
Dry (D)	155	8	115	169	63	45	2
Critical (C)	127	8	122	172	55	30	-4

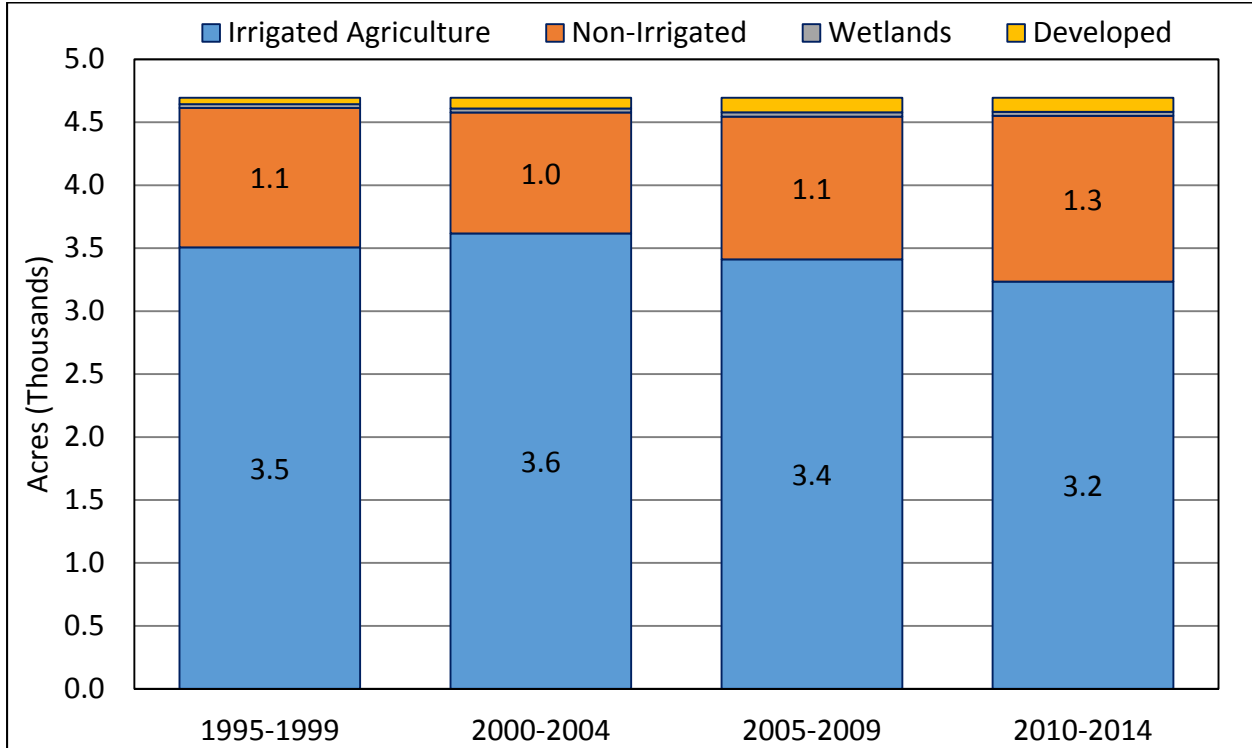


C.2. West Butte Inventory Unit

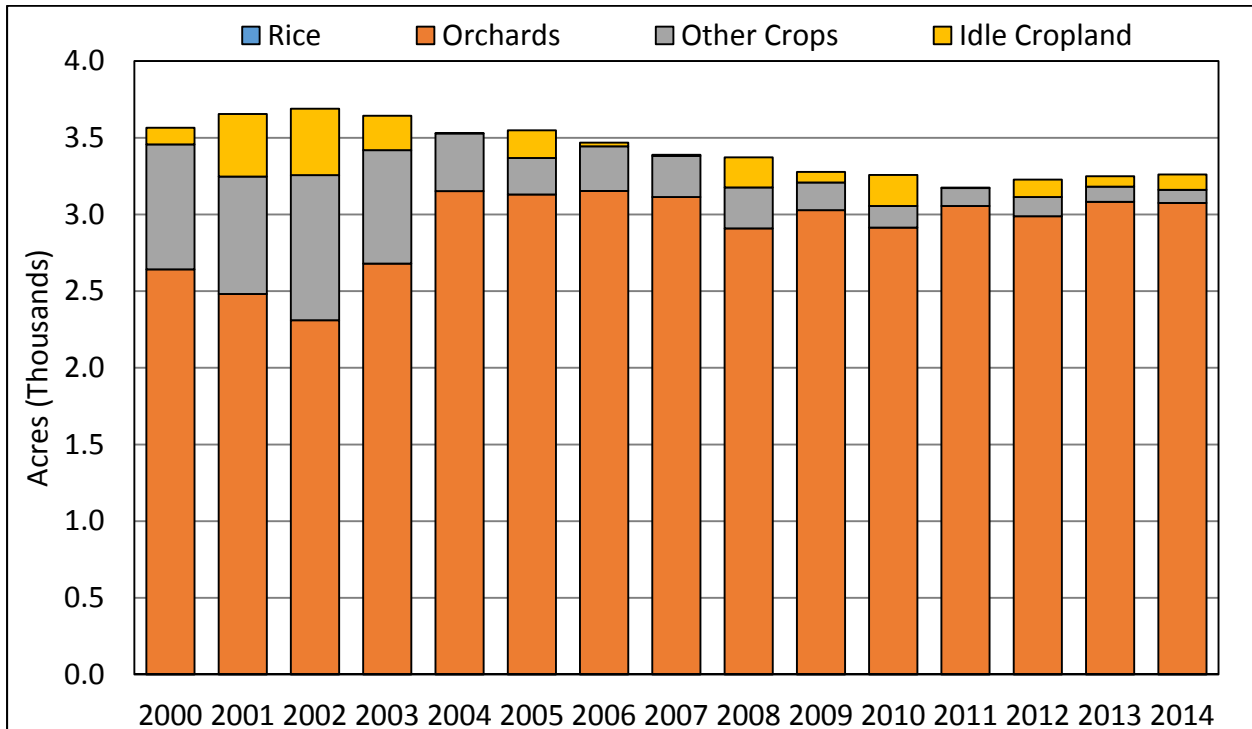
C.2.1. Angel Slough Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	0	1,242	1,400	0	0	221	81	512	109	3,456	3,565
2001	0	1,139	1,342	0	0	224	71	471	408	3,248	3,655
2002	0	1,007	1,304	0	0	221	79	646	433	3,256	3,689
2003	0	1,100	1,579	0	0	319	82	339	224	3,419	3,643
2004	0	1,188	1,965	0	0	281	96	0	1	3,528	3,530
2005	0	1,077	2,052	0	0	154	84	0	181	3,368	3,549
2006	0	1,035	2,118	0	0	200	91	0	24	3,444	3,468
2007	0	1,054	2,060	0	0	174	94	0	8	3,381	3,389
2008	0	948	1,961	0	0	175	92	0	196	3,176	3,373
2009	0	993	2,035	0	0	87	94	0	69	3,209	3,278
2010	0	966	1,949	0	0	47	93	0	202	3,055	3,257
2011	0	932	2,123	0	0	23	94	0	3	3,172	3,175
2012	0	931	2,058	0	0	31	93	0	114	3,113	3,227
2013	0	885	2,197	0	0	19	80	0	68	3,182	3,250
2014	0	888	2,186	0	0	2	83	0	100	3,160	3,261
Min	0	885	1,304	0	0	2	71	0	1	3,055	3,175
Max	0	1,242	2,197	0	0	319	96	646	433	3,528	3,689
Average	0	1,026	1,889	0	0	145	87	131	143	3,278	3,420

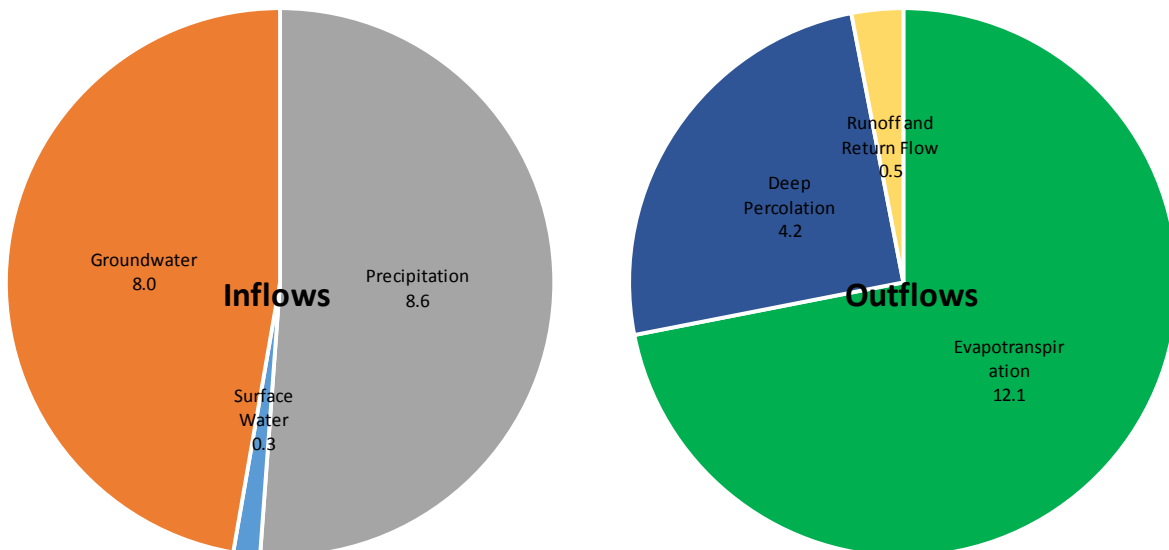


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	35	68	1,026	1,129
2001	28	68	943	1,039
2002	27	74	904	1,006
2003	30	92	929	1,051
2004	37	125	1,004	1,165
2005	33	113	1,000	1,146
2006	34	116	1,077	1,227
2007	34	119	1,152	1,305
2008	33	115	1,174	1,322
2009	34	118	1,266	1,417
2010	33	114	1,291	1,437
2011	33	115	1,372	1,520
2012	32	113	1,323	1,468
2013	31	108	1,306	1,445
2014	31	107	1,296	1,434
Min	27	68	904	1,006
Max	37	125	1,372	1,520
Average	32	104	1,138	1,274

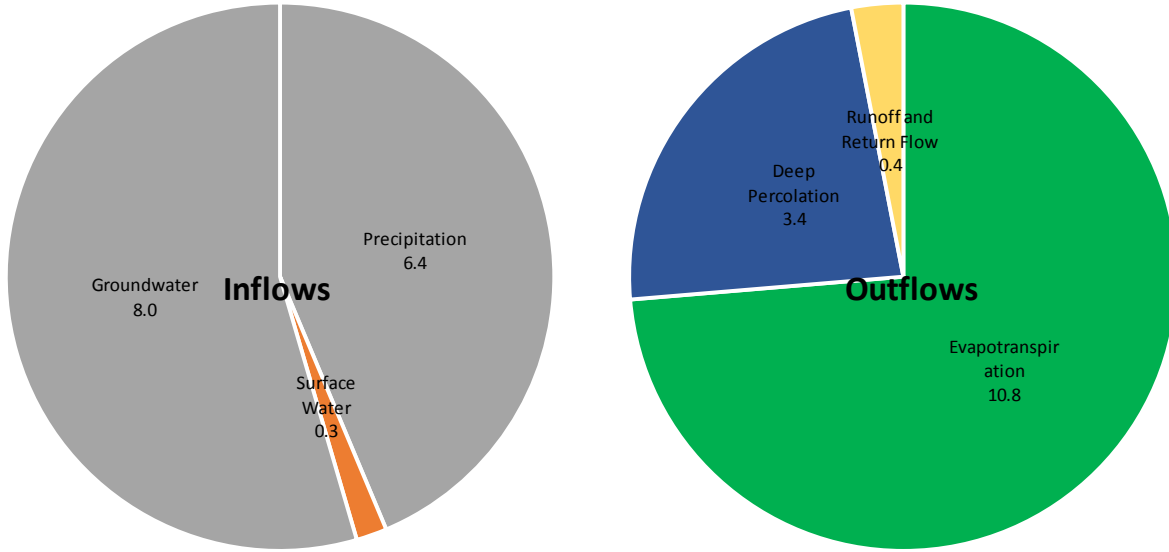
Water Budgets

Angel Slough Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

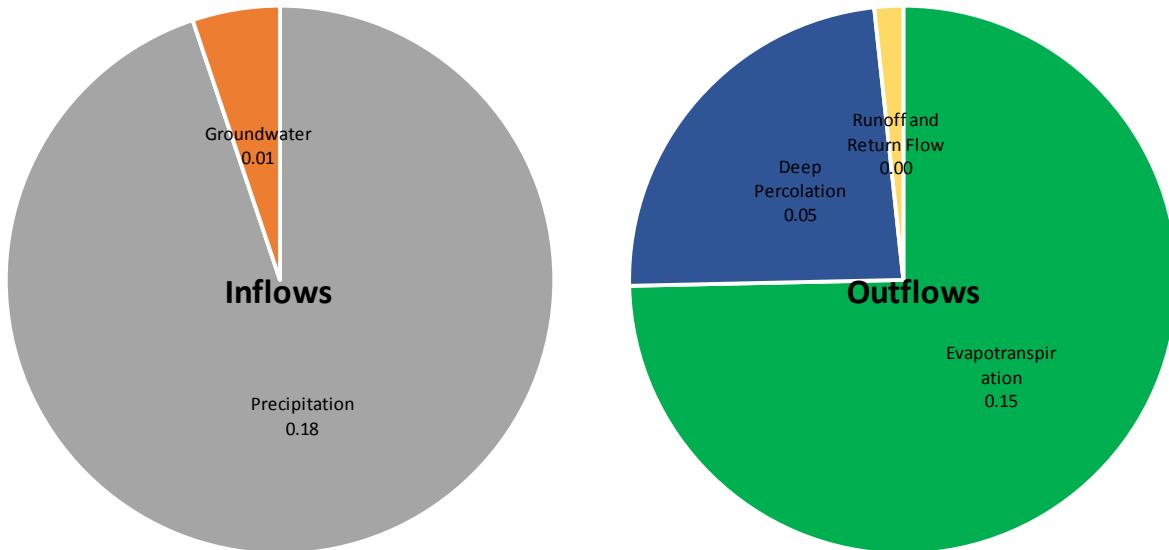




Angel Slough Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

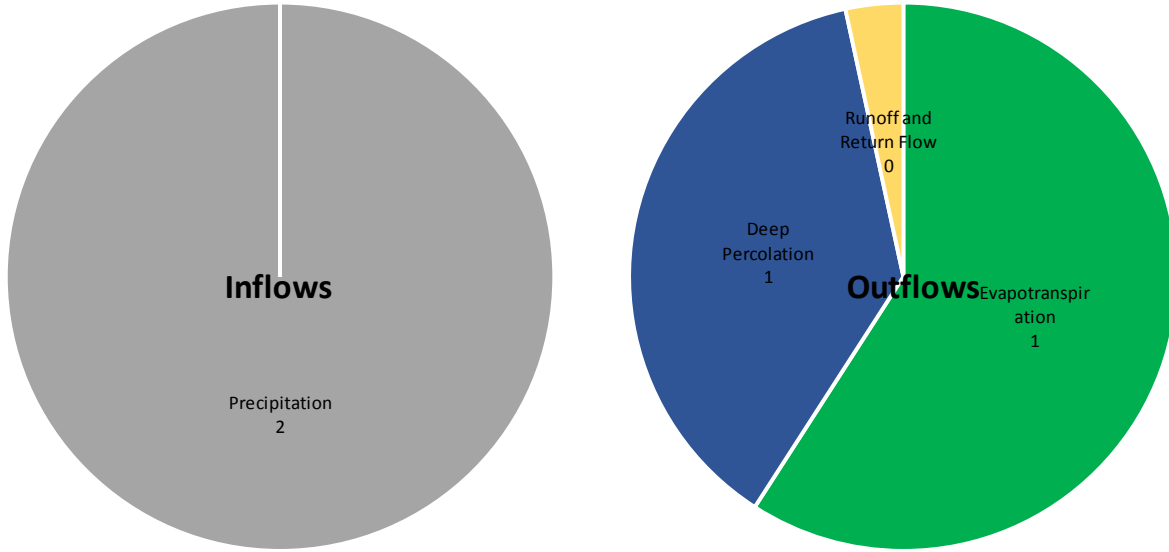


Angel Slough Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

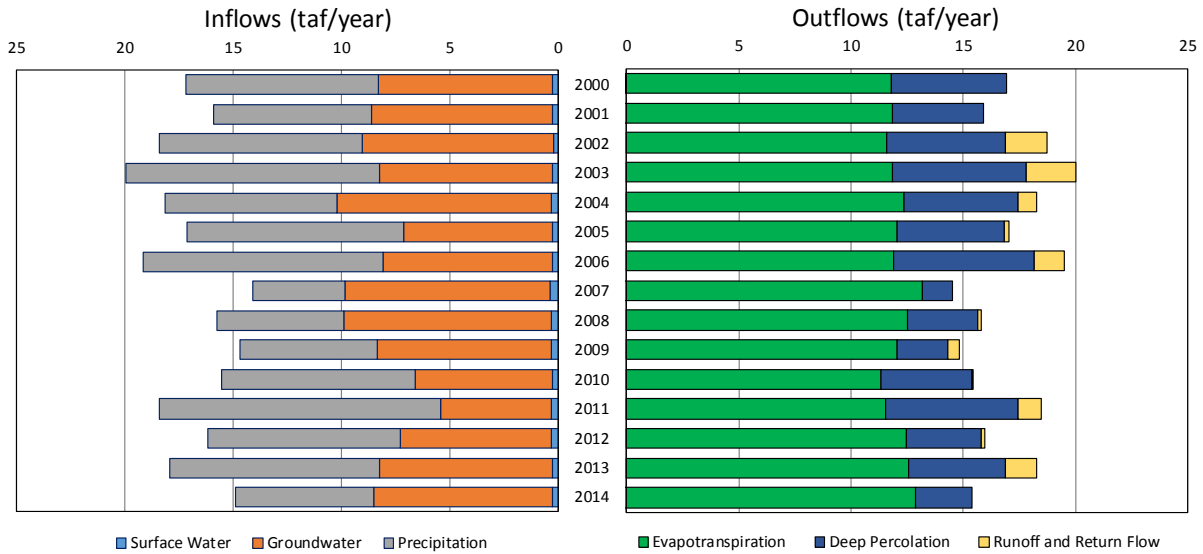




Angel Slough Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Angel Slough Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

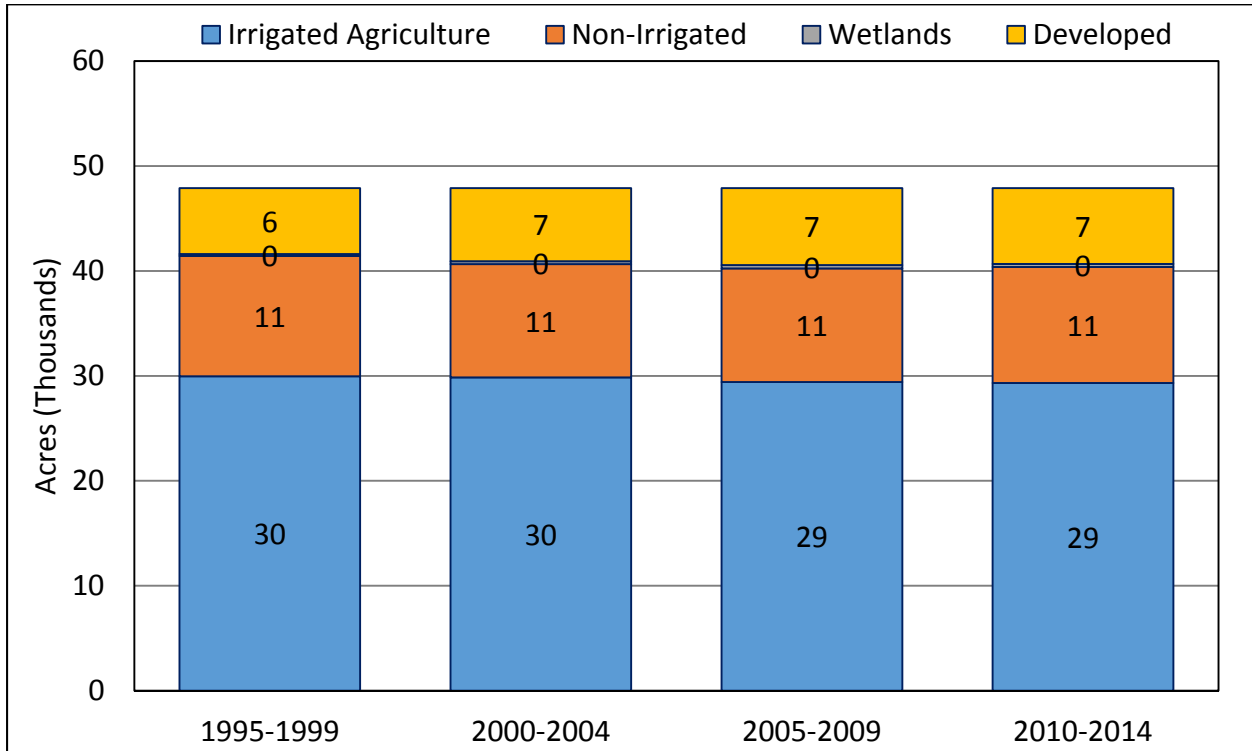
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Groundwater	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	8.9	0.2	8.1	11.8	5.1	0.0	-0.2
2001 (D)	7.3	0.3	8.3	11.8	4.1	-0.2	-0.2
2002 (D)	9.4	0.2	8.8	11.6	5.3	1.8	0.3
2003 (AN)	11.7	0.2	8.0	11.9	5.9	2.3	0.1
2004 (BN)	7.9	0.3	9.9	12.4	5.1	0.8	0.0
2005 (AN)	10.0	0.2	6.9	12.1	4.8	0.2	0.0
2006 (W)	11.0	0.2	7.8	11.9	6.3	1.3	0.3
2007 (D)	4.3	0.3	9.5	13.2	1.3	-0.8	-0.5
2008 (C)	5.9	0.3	9.6	12.5	3.2	0.1	0.0
2009 (D)	6.3	0.3	8.0	12.1	2.3	0.5	0.1
2010 (BN)	8.9	0.2	6.3	11.3	4.1	0.0	-0.1
2011 (W)	12.9	0.3	5.2	11.6	5.9	1.0	0.1
2012 (BN)	8.9	0.3	7.0	12.5	3.3	0.2	-0.3
2013 (D)	9.7	0.3	8.0	12.6	4.3	1.4	0.6
2014 (C)	6.4	0.3	8.2	12.9	2.5	-1.0	-0.6
Minimum	4.3	0.2	5.2	11.3	1.3	-1.0	-0.6
Maximum	12.9	0.3	9.9	13.2	6.3	2.3	0.6
Average	8.6	0.3	8.0	12.1	4.2	0.5	0.0
Averages by Hydrologic Year Type							
Wet (W)	12.0	0.3	6.5	11.7	6.1	1.2	0.2
Above Normal (AN)	10.2	0.2	7.7	11.9	5.3	0.8	0.0
Below Normal (BN)	8.6	0.3	7.7	12.1	4.2	0.3	-0.1
Dry (D)	7.4	0.3	8.5	12.3	3.4	0.5	0.1
Critical (C)	6.1	0.3	8.9	12.7	2.8	-0.4	-0.3



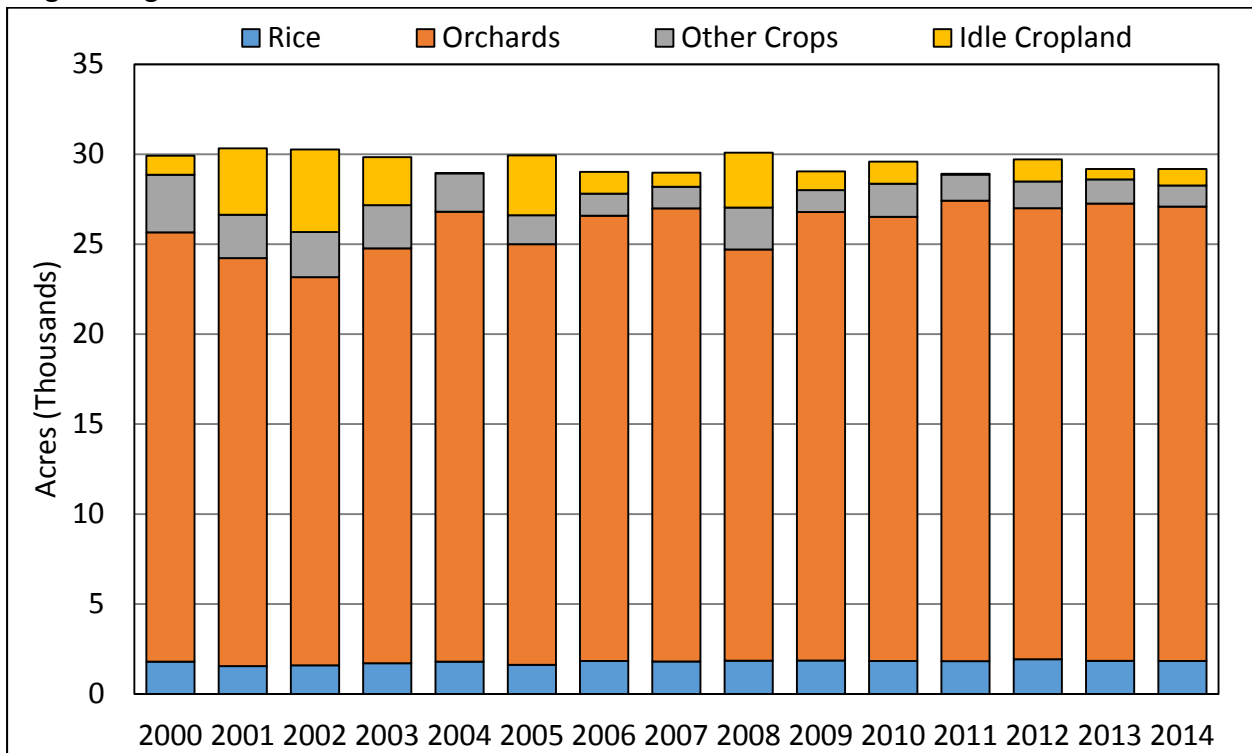
C.2.2. Durham/Dayton Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	1,798	19,203	2,830	1,115	718	550	884	1,765	1,061	28,863	29,923
2001	1,548	18,310	2,752	982	637	465	645	1,303	3,688	26,641	30,329
2002	1,591	17,321	2,792	887	580	430	621	1,458	4,591	25,681	30,271
2003	1,704	18,503	3,128	874	563	469	557	1,377	2,663	27,174	29,837
2004	1,793	19,976	3,555	995	488	402	752	984	4	28,944	28,948
2005	1,616	18,160	3,931	673	621	165	498	950	3,327	26,615	29,942
2006	1,832	18,750	4,543	926	535	342	721	162	1,212	27,811	29,024
2007	1,807	19,266	4,456	894	569	337	683	185	783	28,197	28,980
2008	1,850	16,932	4,290	764	871	284	536	1,507	3,051	27,035	30,086
2009	1,853	18,760	4,809	800	570	249	662	309	1,042	28,010	29,052
2010	1,830	18,379	4,828	736	753	170	513	1,155	1,228	28,363	29,591
2011	1,822	18,523	5,561	686	830	216	567	669	38	28,875	28,913
2012	1,927	18,360	5,326	641	751	337	547	602	1,229	28,490	29,719
2013	1,836	18,096	5,949	609	772	177	543	623	577	28,606	29,182
2014	1,832	18,154	5,922	492	697	22	582	569	918	28,269	29,186
Min	1,548	16,932	2,752	492	488	22	498	162	4	25,681	28,913
Max	1,927	19,976	5,949	1,115	871	550	884	1,765	4,591	28,944	30,329
Average	1,776	18,446	4,311	805	664	308	621	908	1,694	27,838	29,532

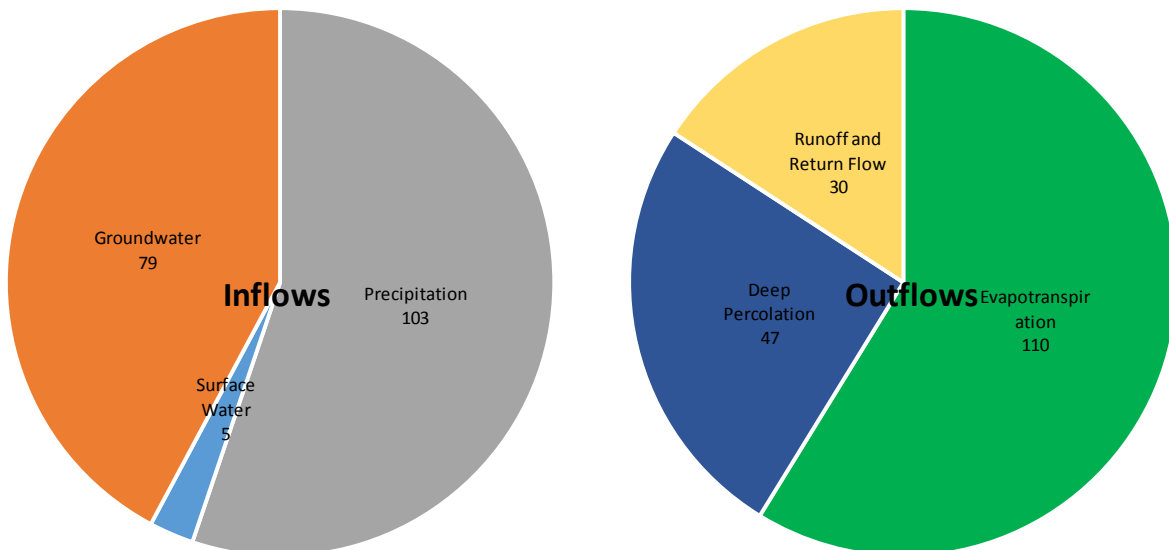


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	230	6,641	11,099	17,970
2001	244	6,561	10,759	17,565
2002	271	6,748	10,604	17,622
2003	302	7,136	10,617	18,056
2004	360	7,733	10,852	18,945
2005	330	7,131	10,490	17,951
2006	342	7,566	10,962	18,870
2007	334	7,538	11,042	18,914
2008	296	6,993	10,519	17,807
2009	315	7,403	11,123	18,841
2010	289	7,137	10,876	18,303
2011	316	7,337	11,329	18,981
2012	286	7,064	10,825	18,175
2013	301	7,286	11,124	18,711
2014	298	7,285	11,124	18,707
Min	230	6,561	10,490	17,565
Max	360	7,733	11,329	18,981
Average	301	7,171	10,890	18,361

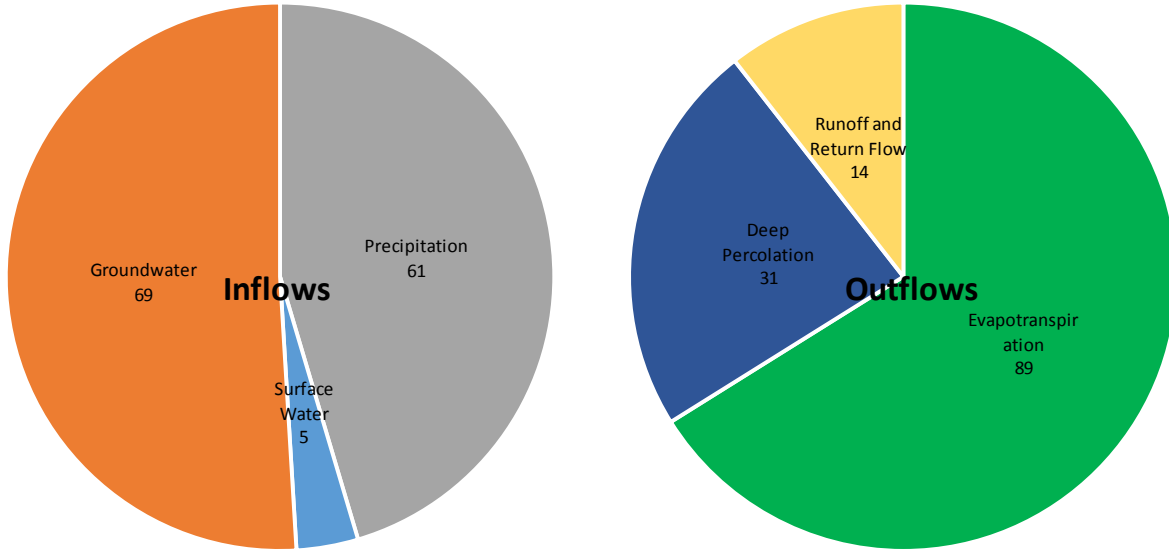
Water Budgets

Durham/Dayton Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

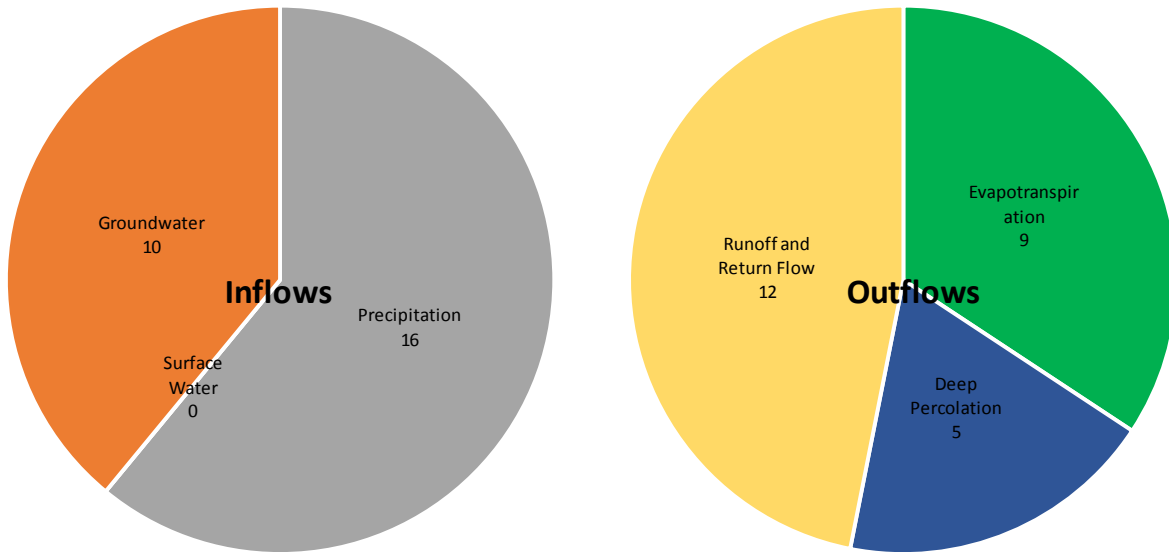




Durham/Dayton Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

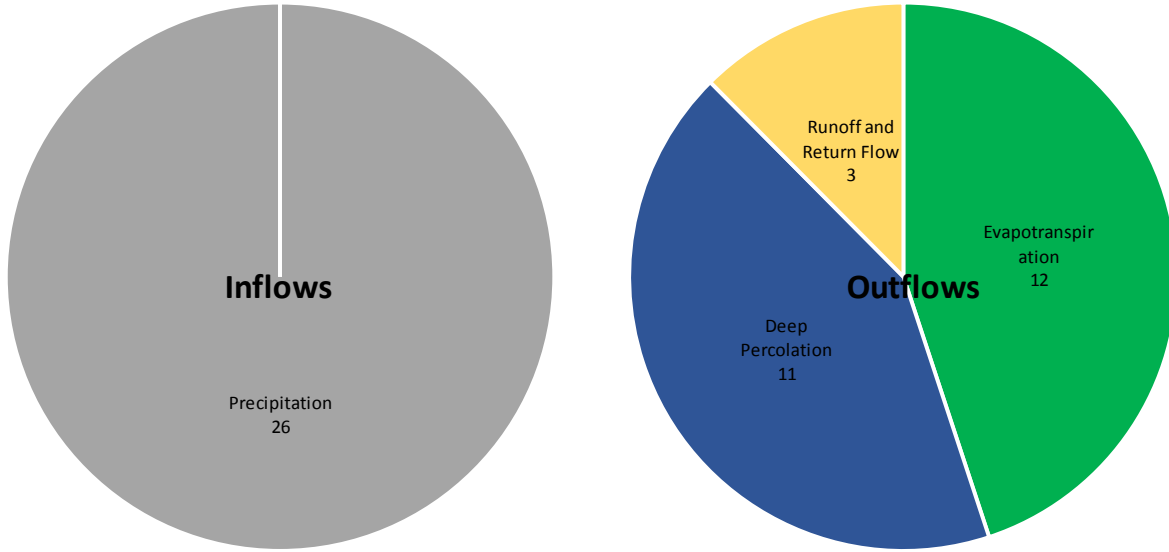


Durham/Dayton Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

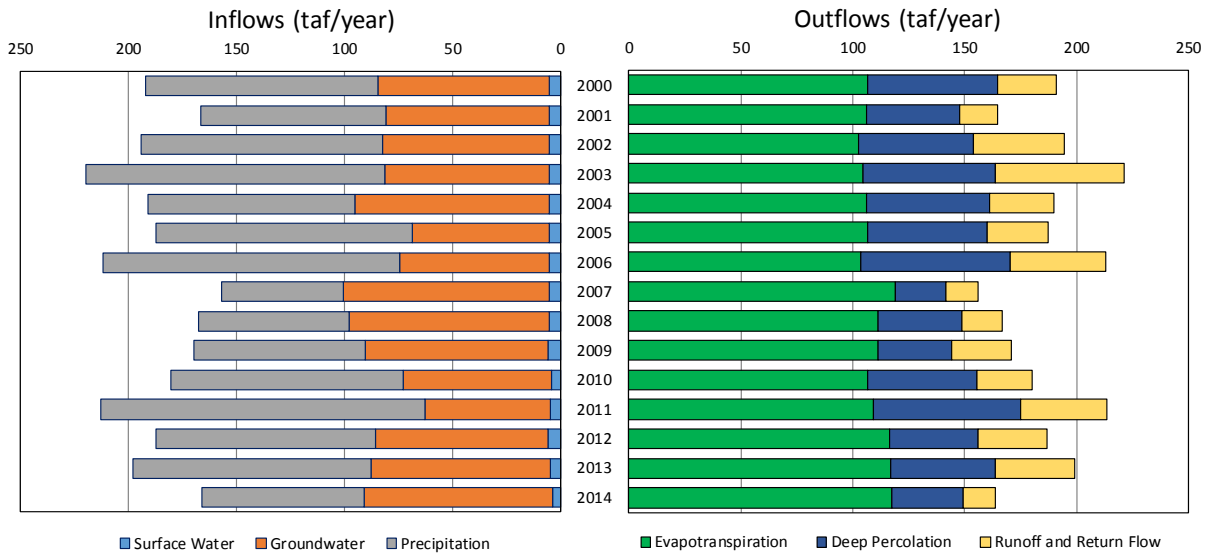




Durham/Dayton Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Durham/Dayton Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

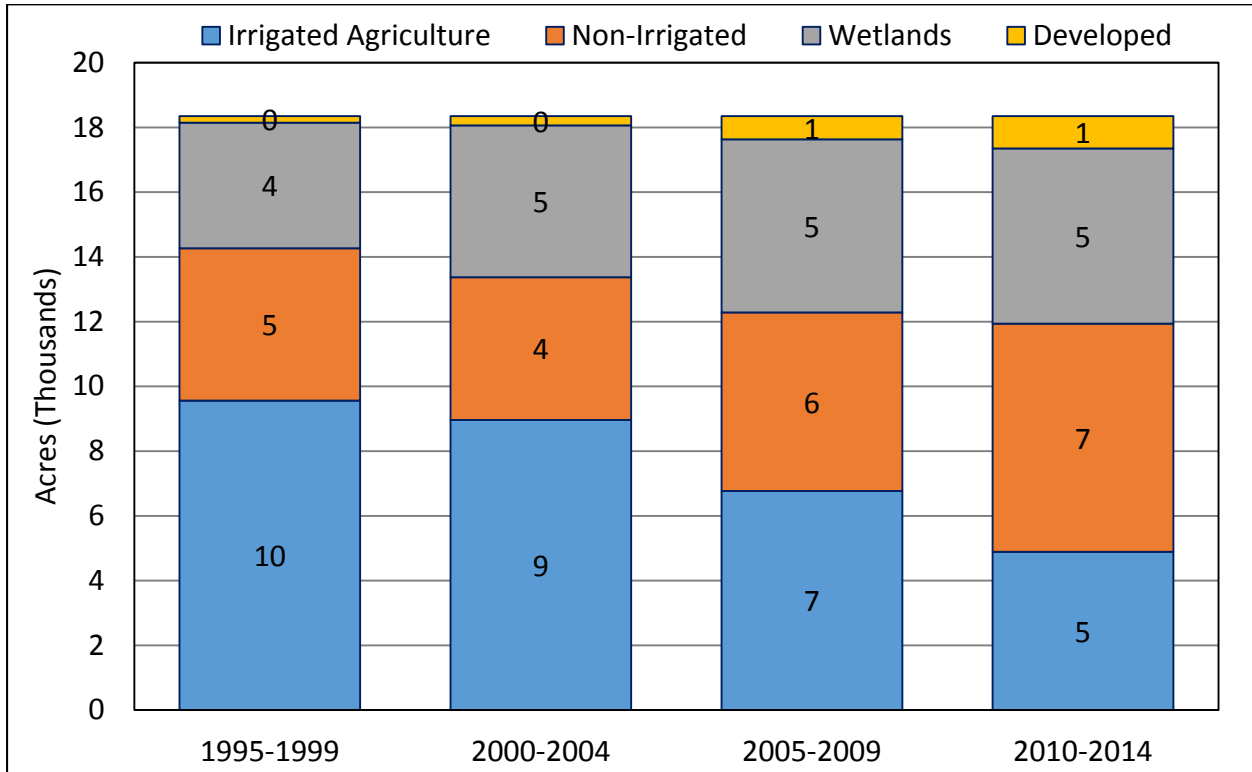
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	108	5	79	107	58	26	-1
2001 (D)	85	5	76	106	41	17	-1
2002 (D)	112	5	77	103	52	41	0
2003 (AN)	139	5	76	105	59	58	2
2004 (BN)	95	5	90	106	55	29	-1
2005 (AN)	119	5	63	107	53	27	1
2006 (W)	137	5	69	103	67	43	0
2007 (D)	56	5	95	119	23	14	0
2008 (C)	70	5	93	111	38	18	-2
2009 (D)	79	6	85	111	33	27	2
2010 (BN)	108	4	68	107	49	25	0
2011 (W)	150	5	58	109	66	39	1
2012 (BN)	101	6	80	116	40	31	-1
2013 (D)	111	5	83	117	47	36	4
2014 (C)	75	4	88	117	32	15	-3
Minimum	56	4	58	103	23	14	-3
Maximum	150	6	95	119	67	58	4
Average	103	5	79	110	47	30	0
Averages by Hydrologic Year Type							
Wet (W)	144	5	64	106	66	41	1
Above Normal (AN)	122	5	73	106	57	37	1
Below Normal (BN)	101	5	80	110	48	28	-1
Dry (D)	89	5	83	111	39	27	1
Critical (C)	72	4	90	114	35	16	-2



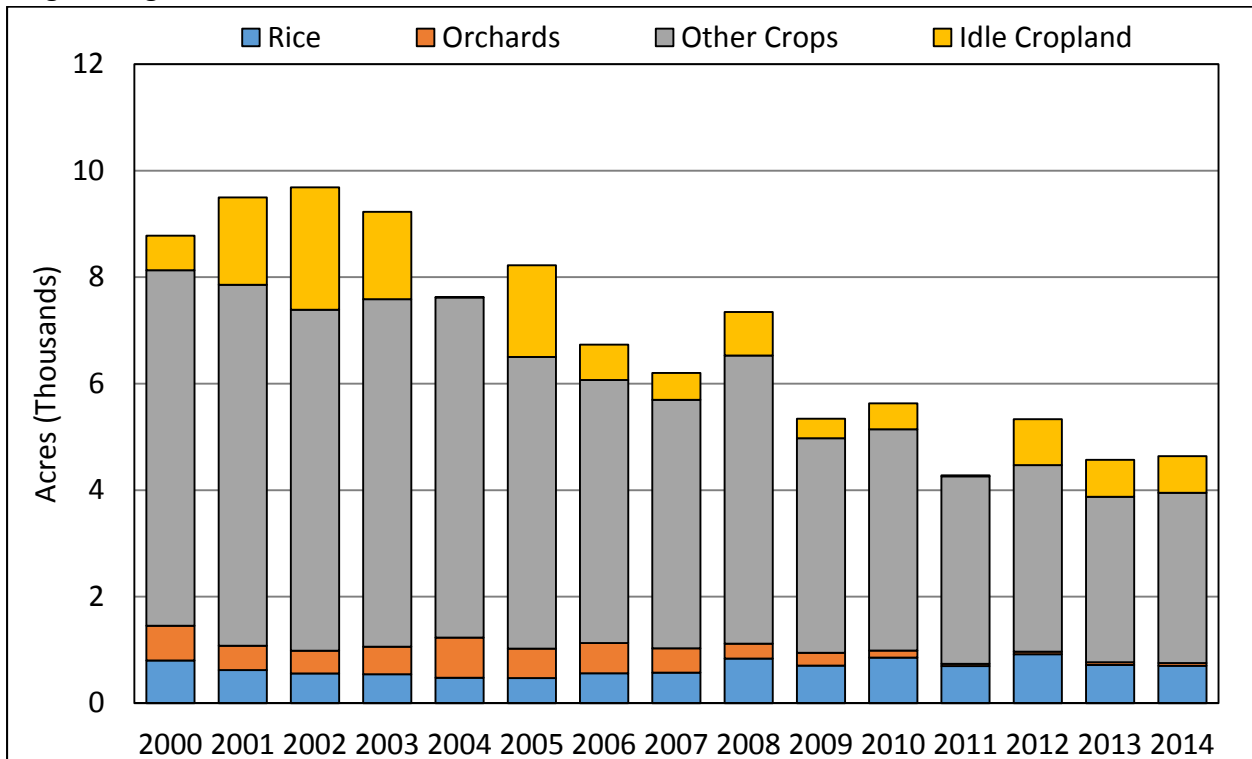
C.2.3. Llano Seco Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	803	582	57	12	0	1,948	2,794	1,934	648	8,131	8,779
2001	621	377	70	10	0	1,738	3,063	1,977	1,642	7,856	9,498
2002	559	335	85	8	0	1,329	3,508	1,565	2,298	7,388	9,686
2003	543	379	131	8	0	1,267	3,681	1,578	1,641	7,587	9,228
2004	477	489	258	7	0	467	5,088	833	6	7,619	7,625
2005	472	350	197	5	0	231	4,120	1,127	1,721	6,501	8,223
2006	562	337	222	8	0	375	4,454	110	665	6,068	6,733
2007	574	281	166	8	0	341	4,191	137	504	5,698	6,202
2008	837	163	110	7	0	320	3,670	1,422	817	6,530	7,347
2009	707	143	89	8	0	209	3,756	62	368	4,974	5,343
2010	855	73	54	7	0	139	3,495	519	488	5,143	5,631
2011	697	17	19	7	0	129	3,390	0	18	4,259	4,277
2012	920	17	24	6	0	175	3,330	0	862	4,472	5,333
2013	717	17	29	6	0	108	2,998	0	695	3,875	4,570
2014	704	18	28	5	0	15	3,182	0	689	3,951	4,640
Min	472	17	19	5	0	15	2,794	0	6	3,875	4,277
Max	920	582	258	12	0	1,948	5,088	1,977	2,298	8,131	9,686
Average	670	238	103	7	0	586	3,648	751	871	6,003	6,874

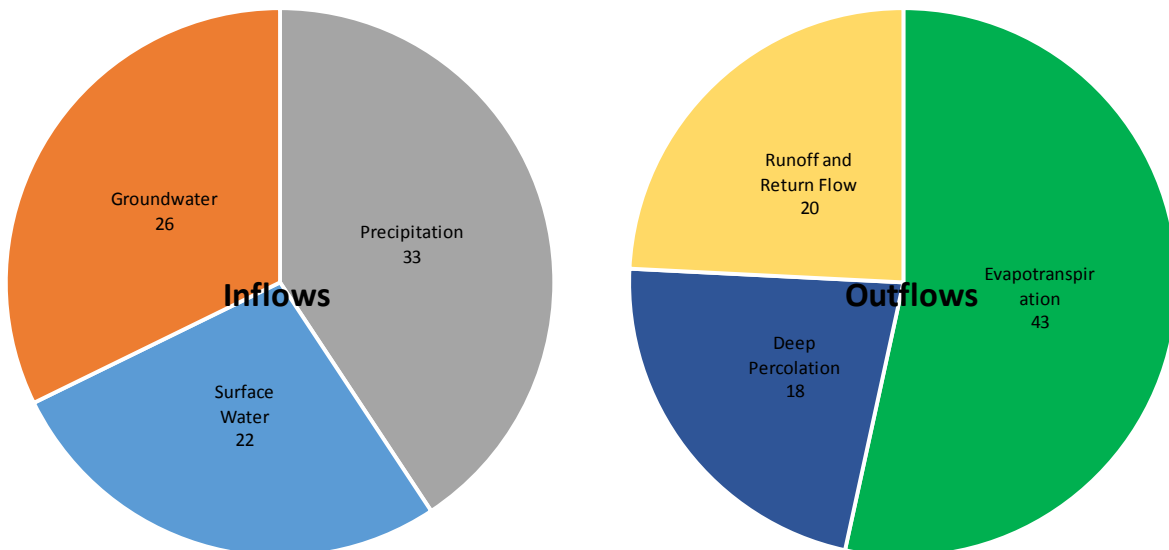


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	4,378	267	4,927	9,572
2001	4,329	216	4,309	8,853
2002	4,424	251	3,989	8,664
2003	4,881	275	3,967	9,123
2004	5,446	423	4,857	10,726
2005	5,267	498	4,363	10,128
2006	5,439	691	5,489	11,618
2007	5,471	781	5,897	12,149
2008	5,130	702	5,172	11,004
2009	5,440	909	6,659	13,008
2010	5,291	909	6,519	12,720
2011	5,529	1,046	7,498	14,074
2012	5,207	972	6,839	13,018
2013	5,510	1,037	7,234	13,781
2014	5,534	1,033	7,145	13,711
Min	4,329	216	3,967	8,664
Max	5,534	1,046	7,498	14,074
Average	5,152	667	5,658	11,477

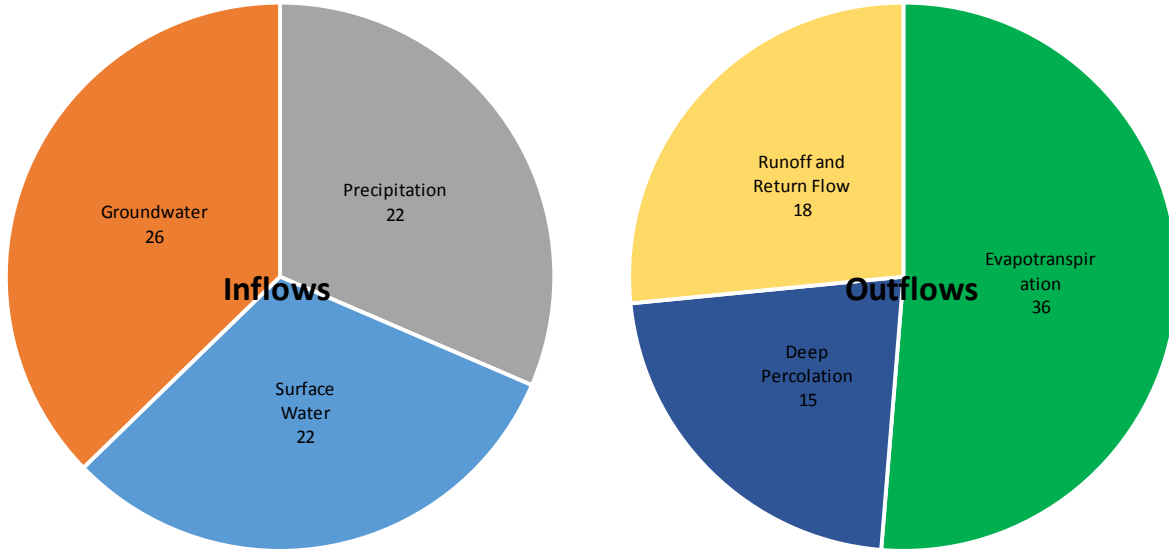
Water Budgets

Llano Seco Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

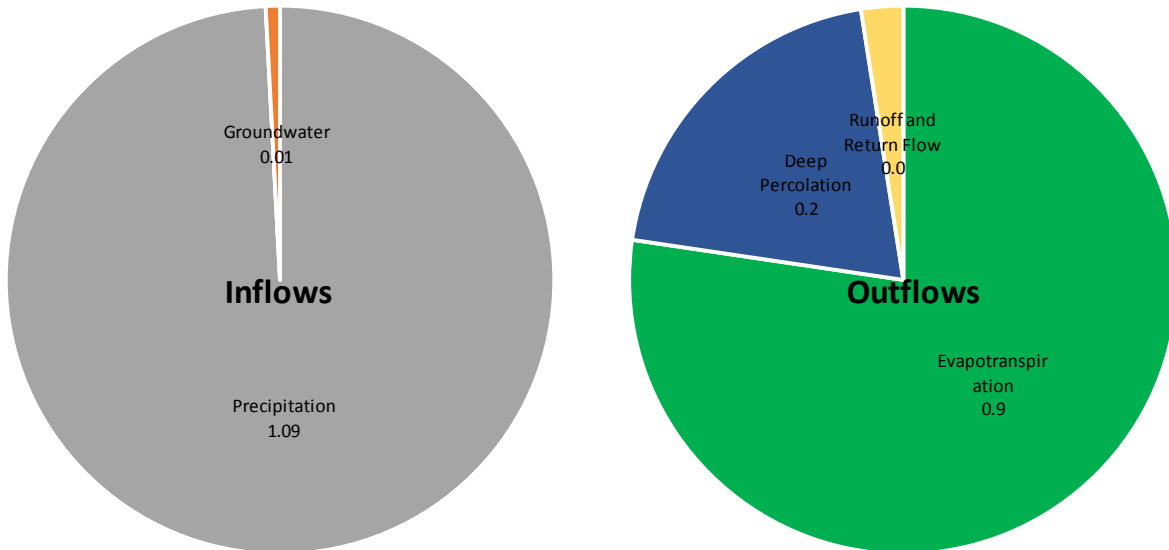




Llano Seco Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

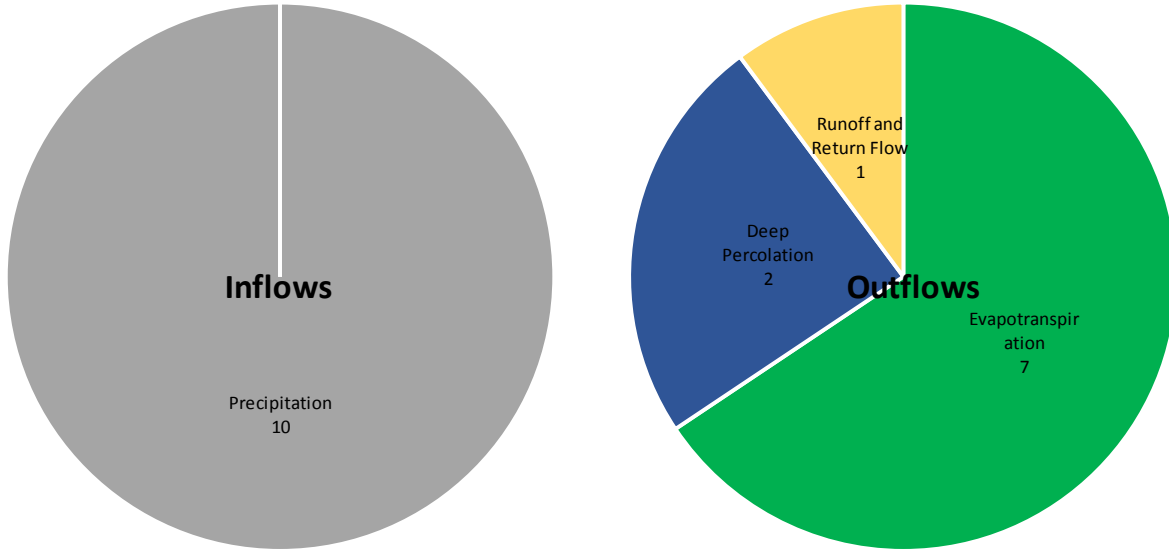


Llano Seco Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

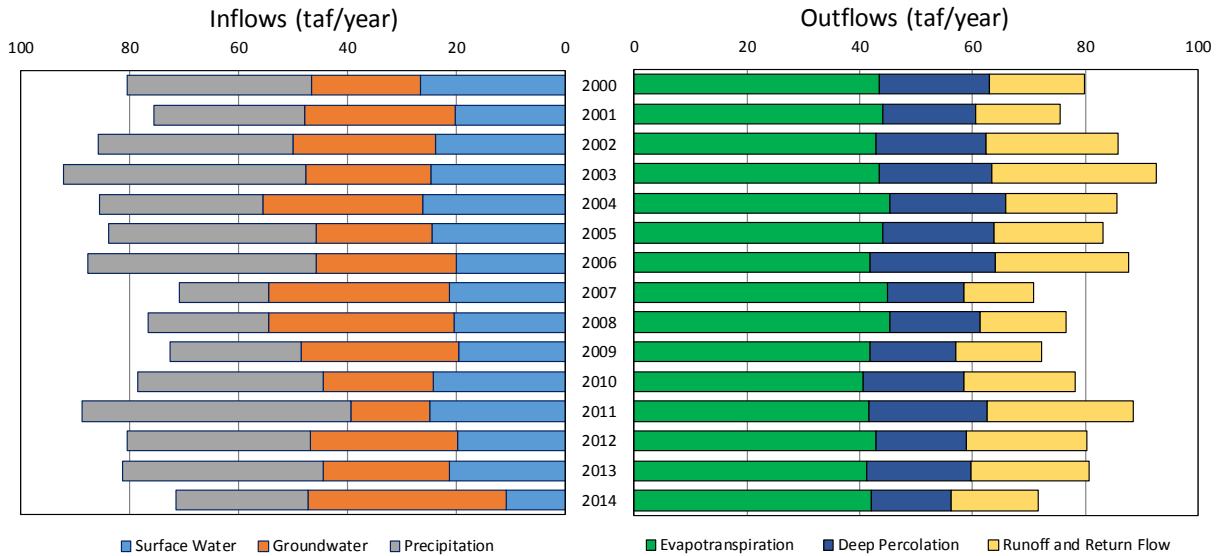




Llano Seco Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Llano Seco Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

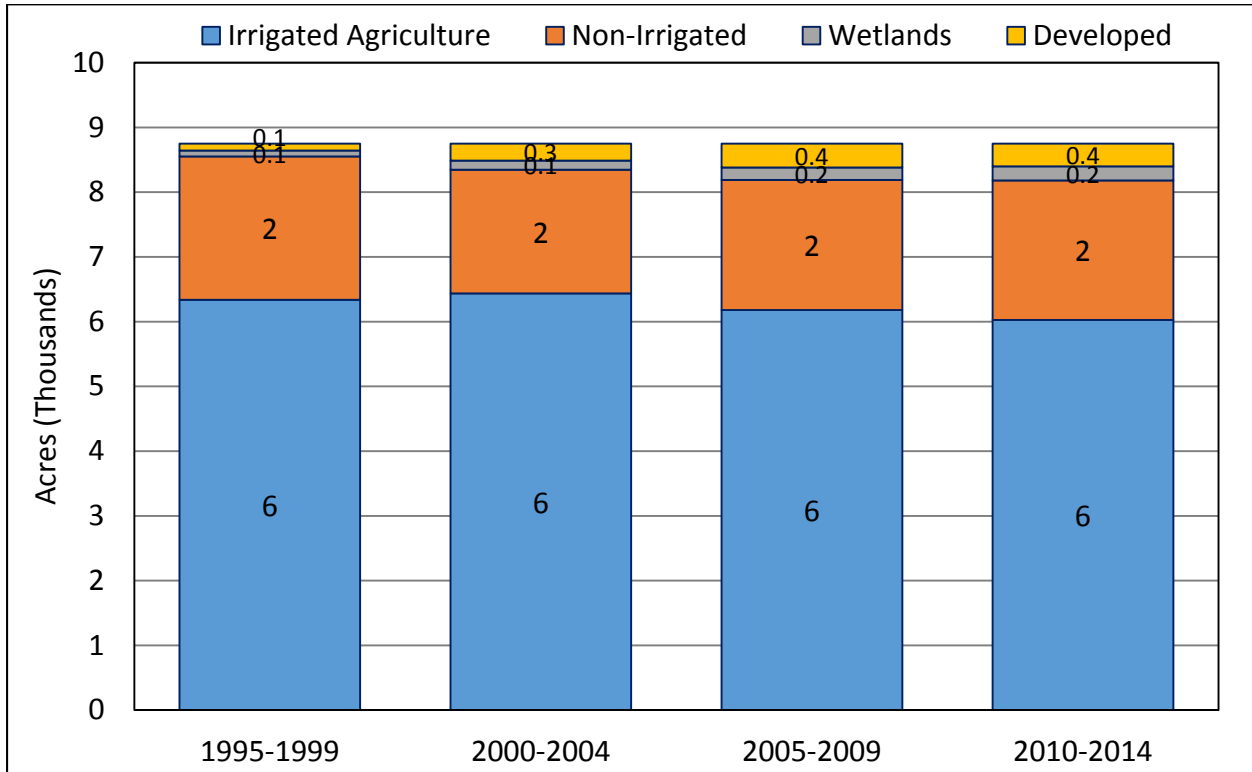
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	34	26	20	44	19	17	0
2001 (D)	28	20	28	44	16	15	0
2002 (D)	36	24	26	43	20	23	0
2003 (AN)	44	25	23	44	20	29	1
2004 (BN)	30	26	29	45	21	20	-1
2005 (AN)	38	24	21	44	20	19	0
2006 (W)	42	20	26	42	22	24	-2
2007 (D)	16	21	33	45	13	12	0
2008 (C)	22	20	34	45	16	15	0
2009 (D)	24	19	29	42	15	15	-2
2010 (BN)	34	24	20	41	18	20	0
2011 (W)	49	25	14	42	21	26	-1
2012 (BN)	34	20	27	43	16	21	0
2013 (D)	37	21	23	41	18	21	1
2014 (C)	24	11	36	42	14	15	-1
Minimum	16	11	14	41	13	12	-2
Maximum	49	26	36	45	22	29	1
Average	33	22	26	43	18	20	0
Averages by Hydrologic Year Type							
Wet (W)	46	22	20	42	22	25	-1
Above Normal (AN)	39	25	21	44	20	22	0
Below Normal (BN)	33	23	26	43	18	20	0
Dry (D)	28	21	28	43	17	17	0
Critical (C)	23	16	35	44	15	15	0



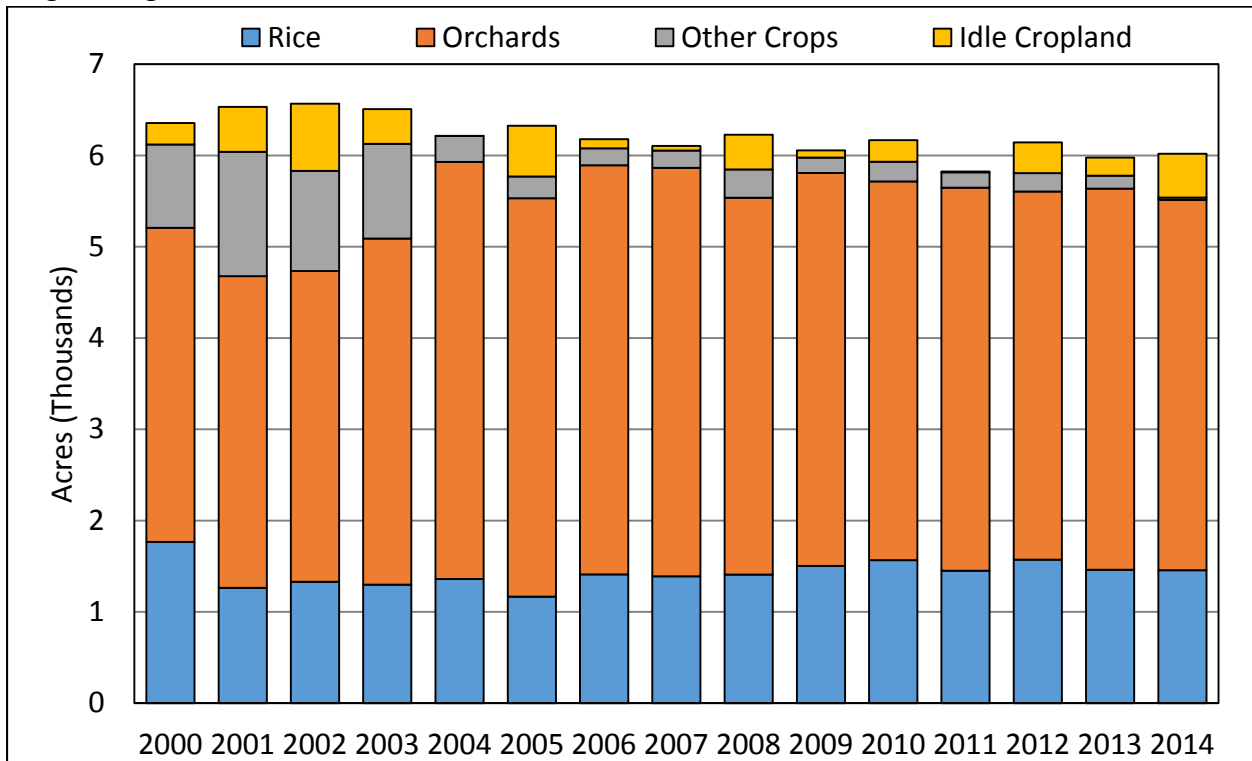
C.2.4. M&T Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	1,767	2,154	755	525	6	432	24	457	234	6,121	6,355
2001	1,263	2,058	820	530	5	379	24	959	493	6,040	6,533
2002	1,331	1,902	951	547	4	308	23	766	736	5,832	6,568
2003	1,298	1,998	1,196	590	8	302	19	717	382	6,127	6,509
2004	1,360	2,172	1,686	709	4	160	15	109	1	6,214	6,215
2005	1,168	2,063	1,754	536	11	103	13	122	557	5,770	6,326
2006	1,410	1,988	1,779	713	3	162	13	11	100	6,079	6,179
2007	1,390	2,023	1,722	727	3	169	12	9	51	6,054	6,106
2008	1,409	1,793	1,644	684	6	161	11	139	380	5,847	6,227
2009	1,504	1,886	1,691	725	3	148	11	10	80	5,976	6,056
2010	1,567	1,808	1,607	729	4	99	10	108	236	5,932	6,168
2011	1,452	1,715	1,759	717	4	159	10	0	8	5,816	5,825
2012	1,572	1,718	1,663	650	3	191	10	0	337	5,806	6,143
2013	1,461	1,681	1,865	626	3	133	9	0	199	5,778	5,978
2014	1,456	1,686	1,864	503	3	17	9	0	480	5,539	6,018
Min	1,168	1,681	755	503	3	17	9	0	1	5,539	5,825
Max	1,767	2,172	1,865	729	11	432	24	959	736	6,214	6,568
Average	1,427	1,910	1,517	634	5	195	14	227	285	5,929	6,214

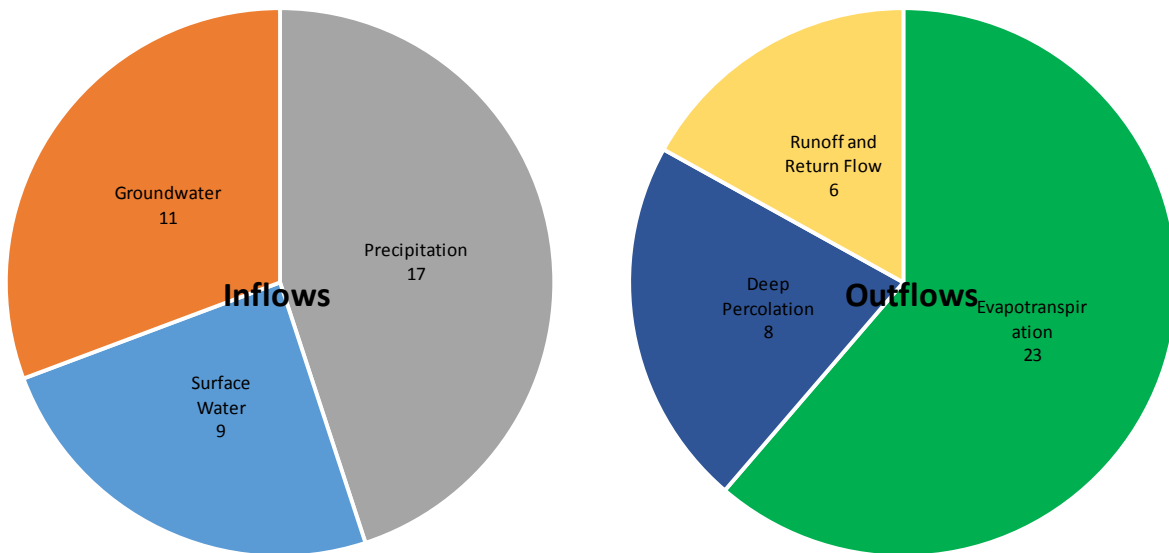


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	118	166	2,110	2,394
2001	122	193	1,901	2,216
2002	136	238	1,808	2,182
2003	145	297	1,798	2,240
2004	189	407	1,938	2,534
2005	184	373	1,866	2,423
2006	189	378	2,003	2,570
2007	198	380	2,066	2,643
2008	184	351	1,987	2,522
2009	203	361	2,129	2,693
2010	194	342	2,046	2,581
2011	245	378	2,301	2,924
2012	198	330	2,078	2,606
2013	229	354	2,189	2,772
2014	223	349	2,158	2,731
Min	118	166	1,798	2,182
Max	245	407	2,301	2,924
Average	184	326	2,025	2,535

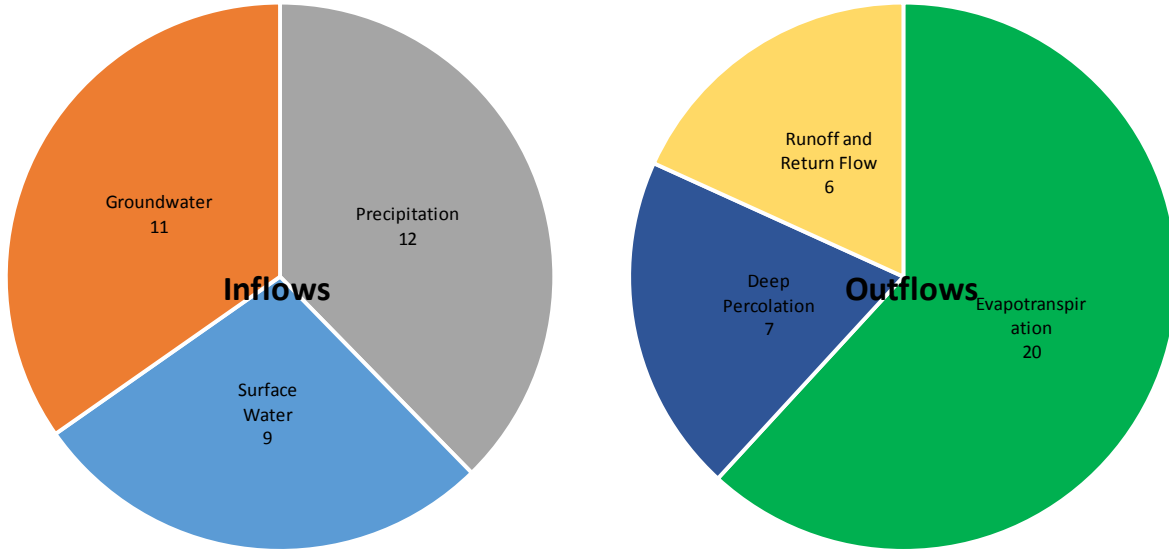
Water Budgets

M&T Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

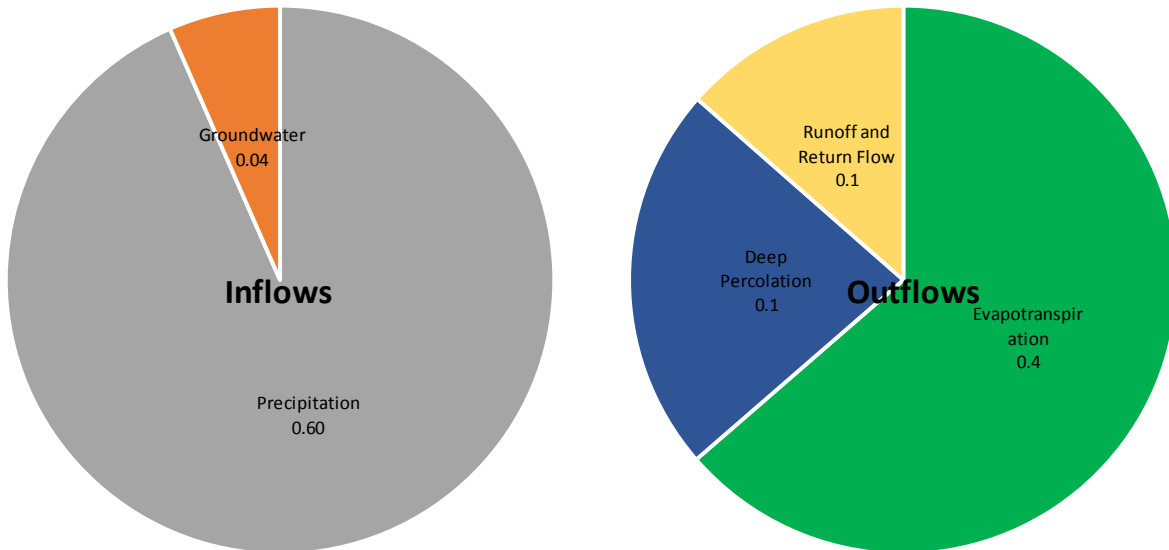




M&T Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

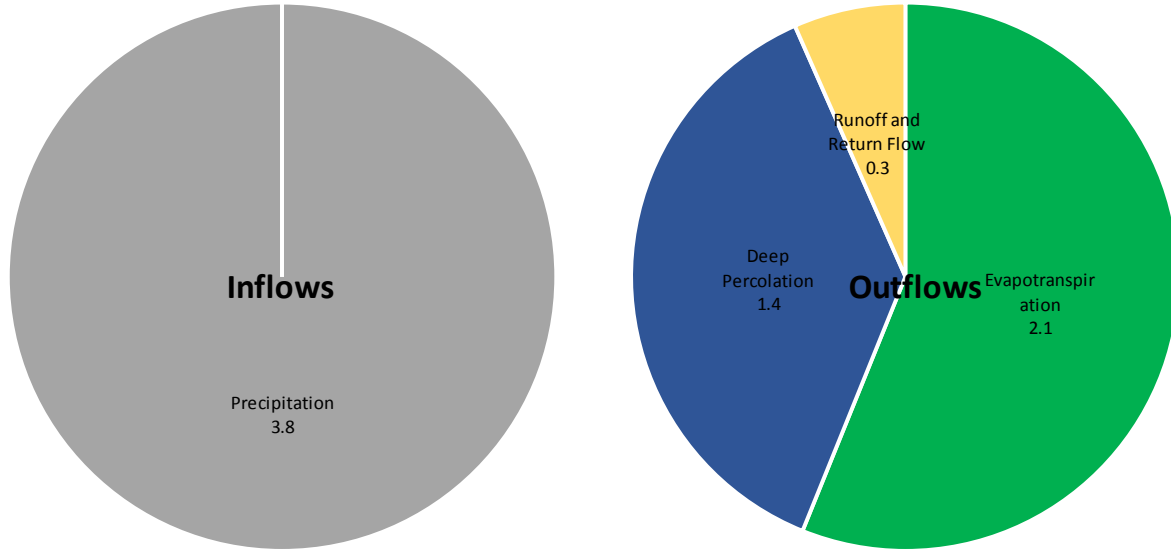


M&T Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

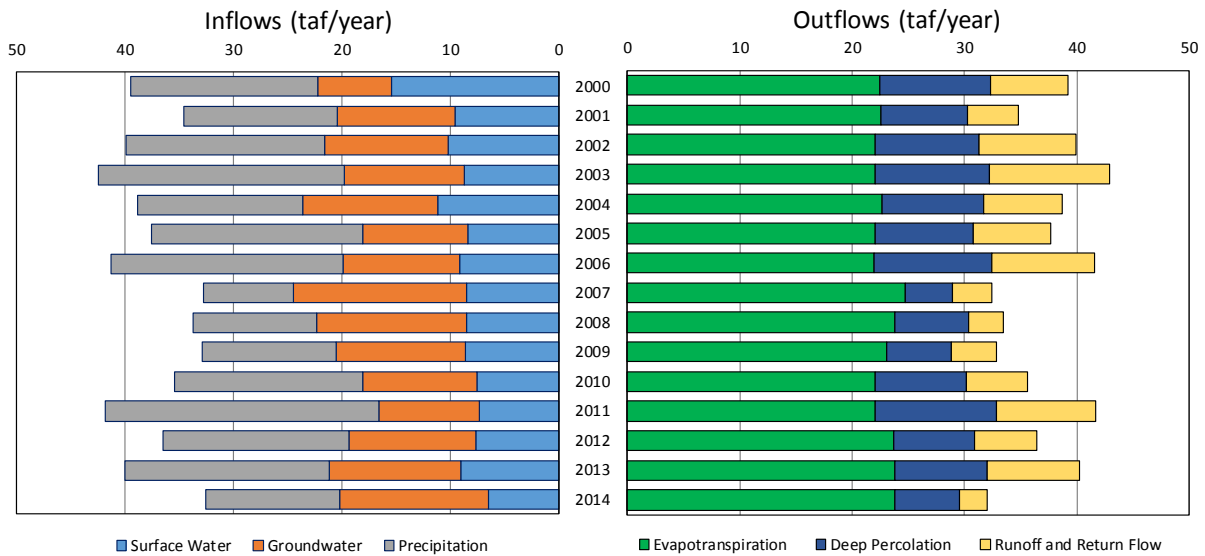




M&T Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



M&T Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

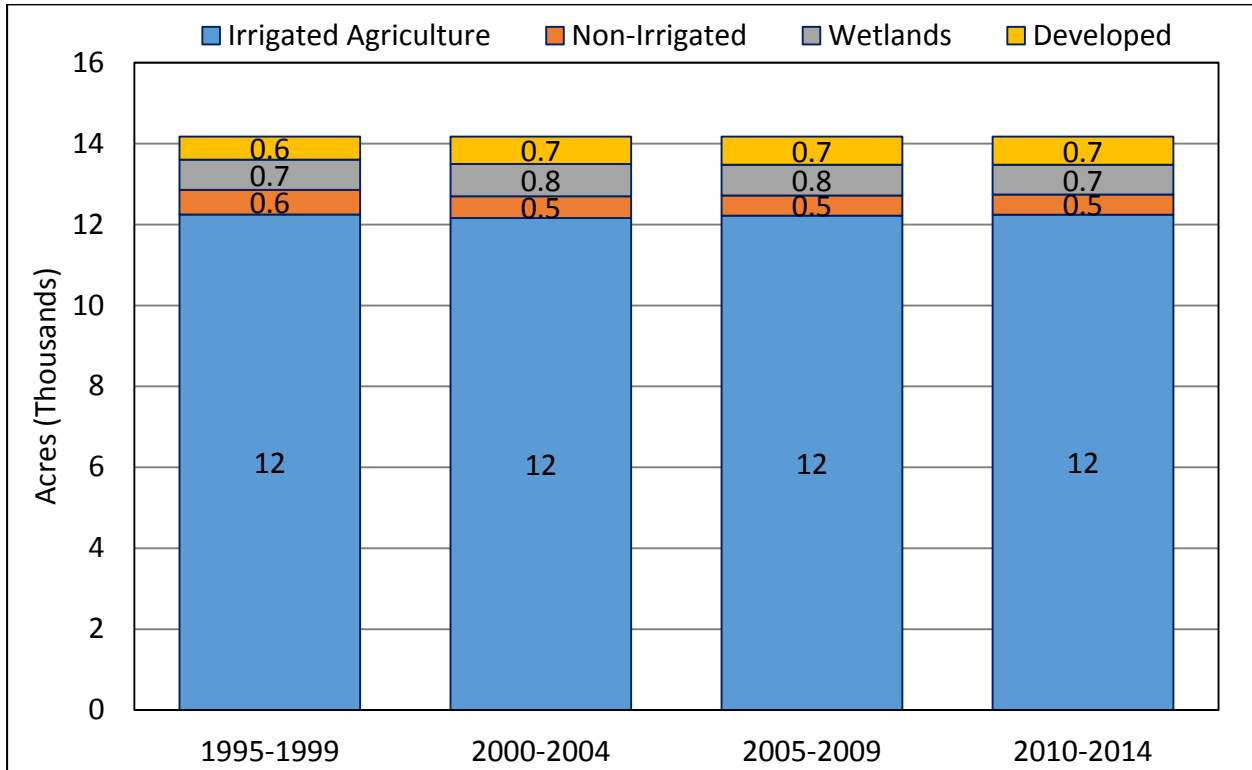
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	17	15	7	22	10	7	0
2001 (D)	14	10	11	23	8	5	0
2002 (D)	18	10	11	22	9	9	0
2003 (AN)	23	9	11	22	10	11	0
2004 (BN)	15	11	12	23	9	7	0
2005 (AN)	19	8	10	22	9	7	0
2006 (W)	21	9	11	22	11	9	0
2007 (D)	8	9	16	25	4	4	0
2008 (C)	11	8	14	24	7	3	0
2009 (D)	12	9	12	23	6	4	0
2010 (BN)	17	8	11	22	8	5	0
2011 (W)	25	7	9	22	11	9	0
2012 (BN)	17	8	12	24	7	6	0
2013 (D)	19	9	12	24	8	8	1
2014 (C)	12	6	14	24	6	2	-1
Minimum	8	6	7	22	4	2	-1
Maximum	25	15	16	25	11	11	1
Average	17	9	11	23	8	6	0
Averages by Hydrologic Year Type							
Wet (W)	23	8	10	22	11	9	0
Above Normal (AN)	20	11	9	22	10	8	0
Below Normal (BN)	17	9	12	23	8	6	0
Dry (D)	14	9	12	23	7	6	0
Critical (C)	12	7	14	24	6	3	0



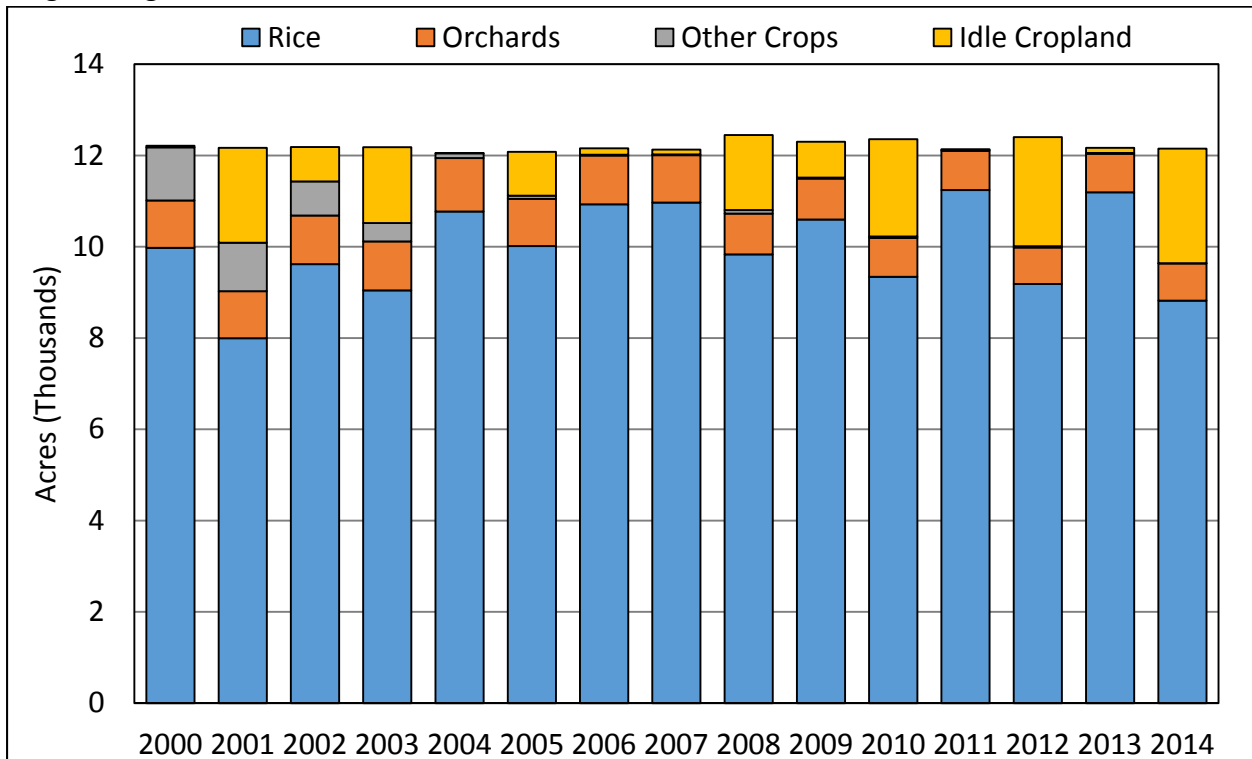
C.2.5. Western Canal Subinventory Unit (West Butte Portion)

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	9,978	388	82	390	176	0	1,025	138	37	12,177	12,214
2001	7,994	354	109	390	179	0	867	194	2,080	10,087	12,167
2002	9,619	363	166	401	135	0	695	53	754	11,432	12,186
2003	9,042	363	192	382	136	0	320	86	1,658	10,522	12,180
2004	10,774	384	256	447	82	0	1	104	3	12,047	12,050
2005	10,015	368	260	307	102	2	1	66	961	11,119	12,080
2006	10,929	368	256	372	73	6	2	9	140	12,015	12,155
2007	10,969	382	242	337	76	11	2	7	103	12,025	12,128
2008	9,834	317	193	262	121	14	2	59	1,643	10,803	12,446
2009	10,597	372	218	247	59	14	2	6	786	11,515	12,301
2010	9,342	375	190	205	82	14	1	17	2,130	10,226	12,356
2011	11,241	384	227	167	80	20	2	0	14	12,122	12,136
2012	9,184	375	206	146	71	27	2	0	2,392	10,011	12,402
2013	11,194	380	243	149	72	17	2	0	114	12,055	12,169
2014	8,818	386	251	119	63	2	2	0	2,511	9,641	12,152
Min	7,994	317	82	119	59	0	1	0	3	9,641	12,050
Max	11,241	388	260	447	179	27	1,025	194	2,511	12,177	12,446
Average	9,969	371	206	288	101	8	195	49	1,022	11,186	12,208

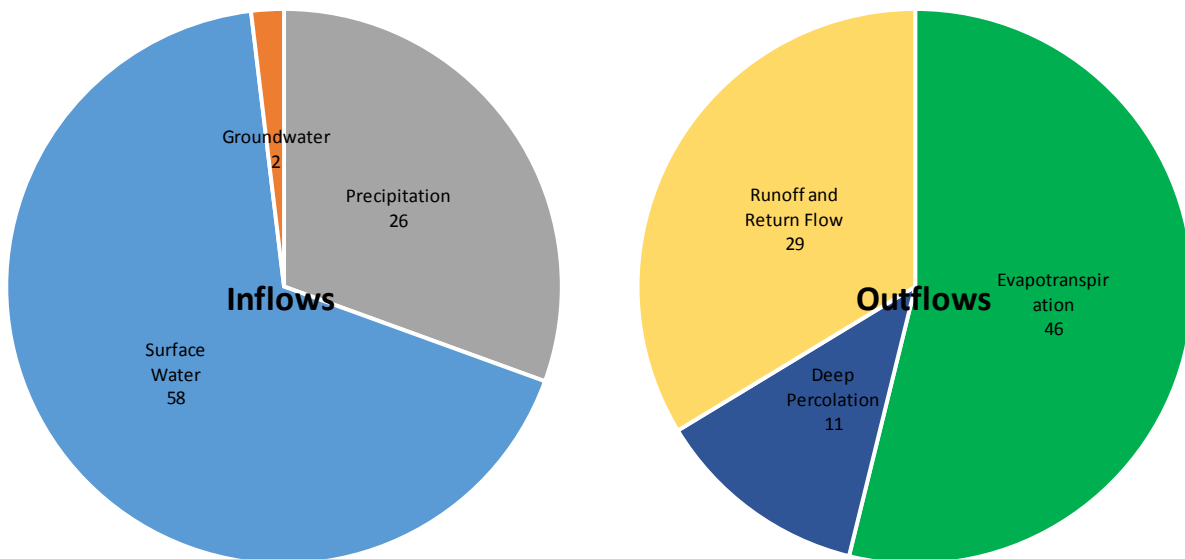


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	792	610	559	1,962
2001	803	648	557	2,008
2002	791	675	524	1,990
2003	809	691	496	1,995
2004	810	757	558	2,125
2005	816	760	519	2,095
2006	777	720	523	2,020
2007	780	737	530	2,047
2008	690	613	427	1,729
2009	737	663	475	1,875
2010	696	641	483	1,819
2011	776	740	524	2,040
2012	675	638	460	1,773
2013	764	729	514	2,006
2014	766	742	515	2,024
Min	675	610	427	1,729
Max	816	760	559	2,125
Average	765	691	511	1,967

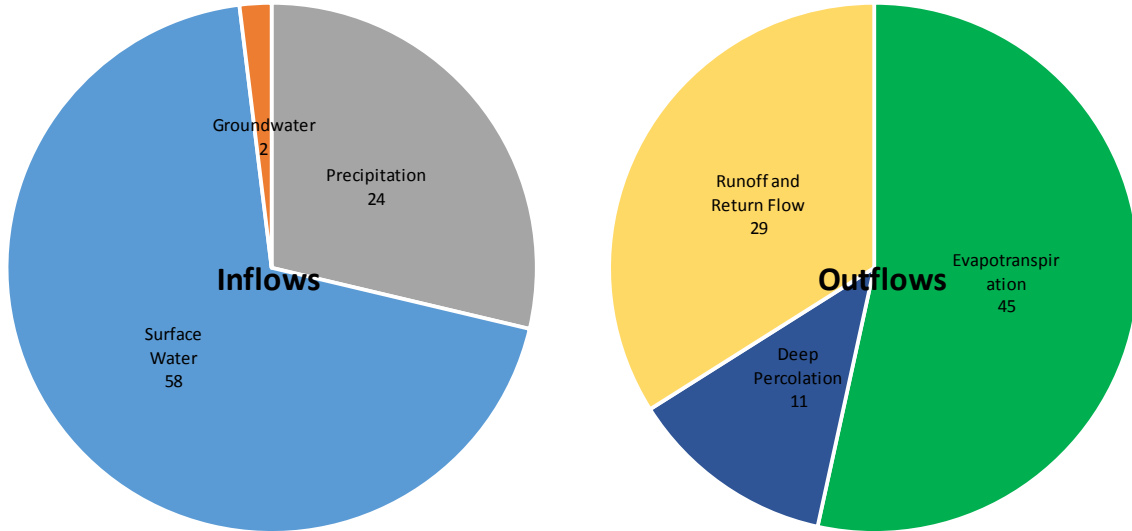
Water Budgets

Western Canal (West Butte Portion) Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

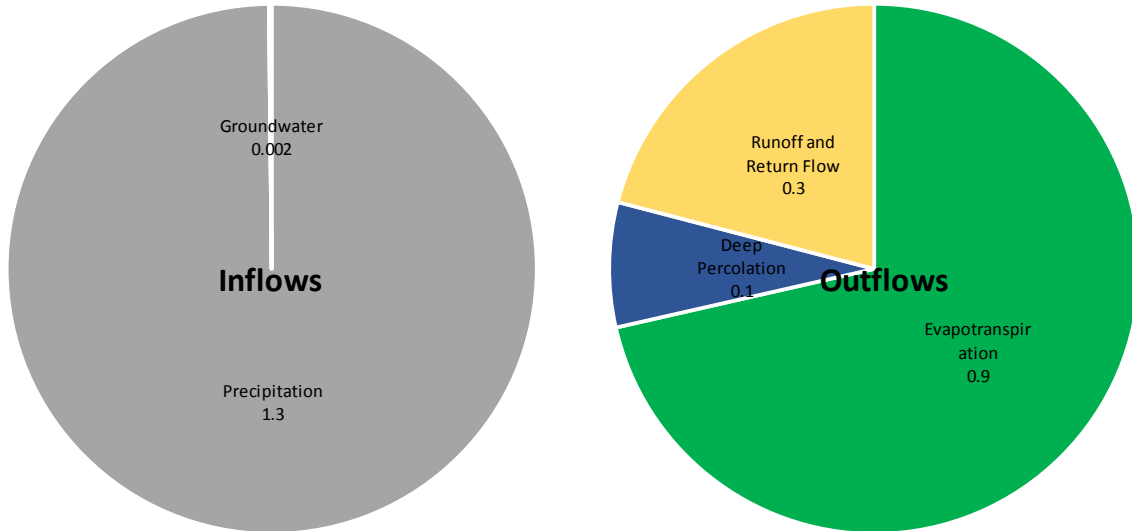




Western Canal (West Butte Portion) Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

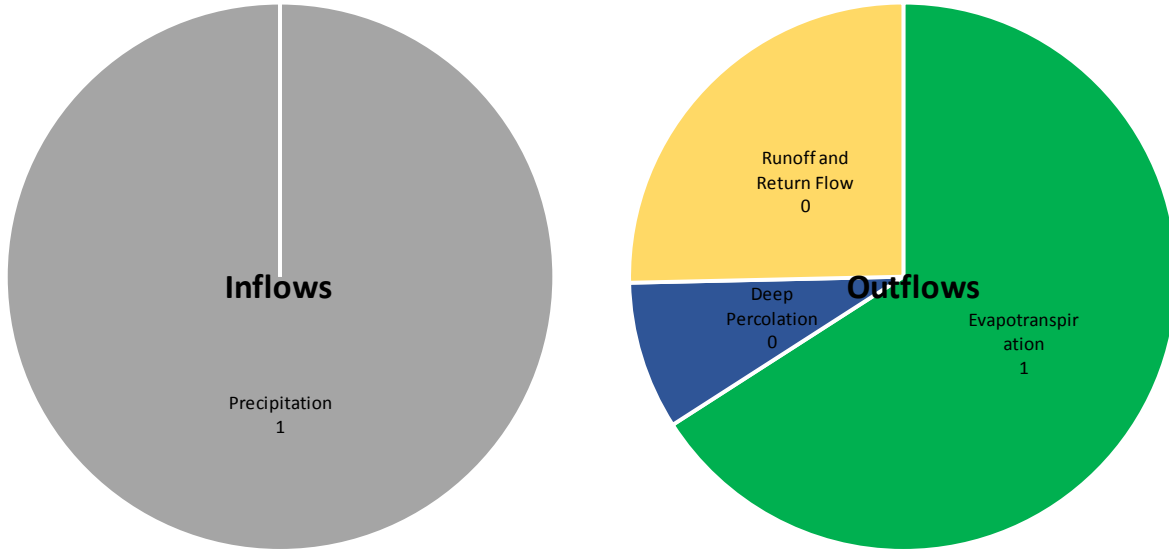


Western Canal (West Butte Portion) Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

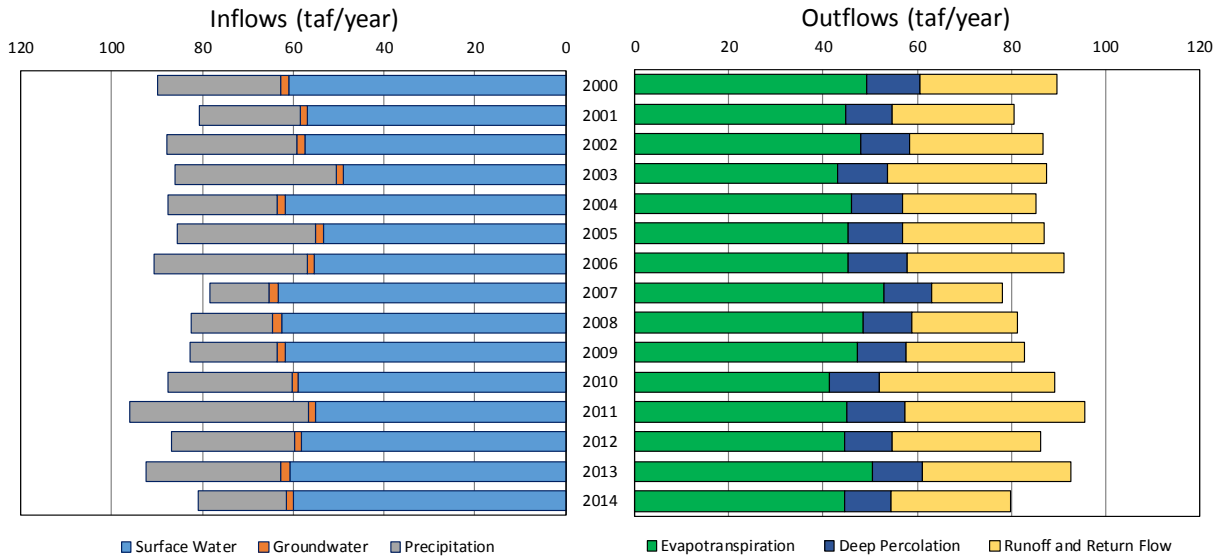




Western Canal (West Butte Portion) Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Western Canal (West Butte Portion) Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	27	61	2	49	11	29	0
2001 (D)	22	57	2	45	10	26	0
2002 (D)	29	57	2	48	10	28	-1
2003 (AN)	36	49	1	43	10	34	1
2004 (BN)	24	62	2	46	11	28	-2
2005 (AN)	31	53	2	45	12	30	2
2006 (W)	34	55	1	45	13	33	1
2007 (D)	13	63	2	53	10	15	0
2008 (C)	18	63	2	48	11	22	-1
2009 (D)	19	62	2	47	10	25	0
2010 (BN)	27	59	1	41	11	37	2
2011 (W)	40	55	1	45	12	38	0
2012 (BN)	27	58	2	45	10	32	0
2013 (D)	30	61	2	50	11	31	0
2014 (C)	19	60	2	45	10	26	-1
Minimum	13	49	1	41	10	15	-2
Maximum	40	63	2	53	13	38	2
Average	26	58	2	46	11	29	0
Averages by Hydrologic Year Type							
Wet (W)	37	55	1	45	12	36	0
Above Normal (AN)	31	54	2	46	11	31	1
Below Normal (BN)	26	60	1	44	11	32	0
Dry (D)	23	60	2	49	10	25	0
Critical (C)	19	61	2	47	10	24	-1

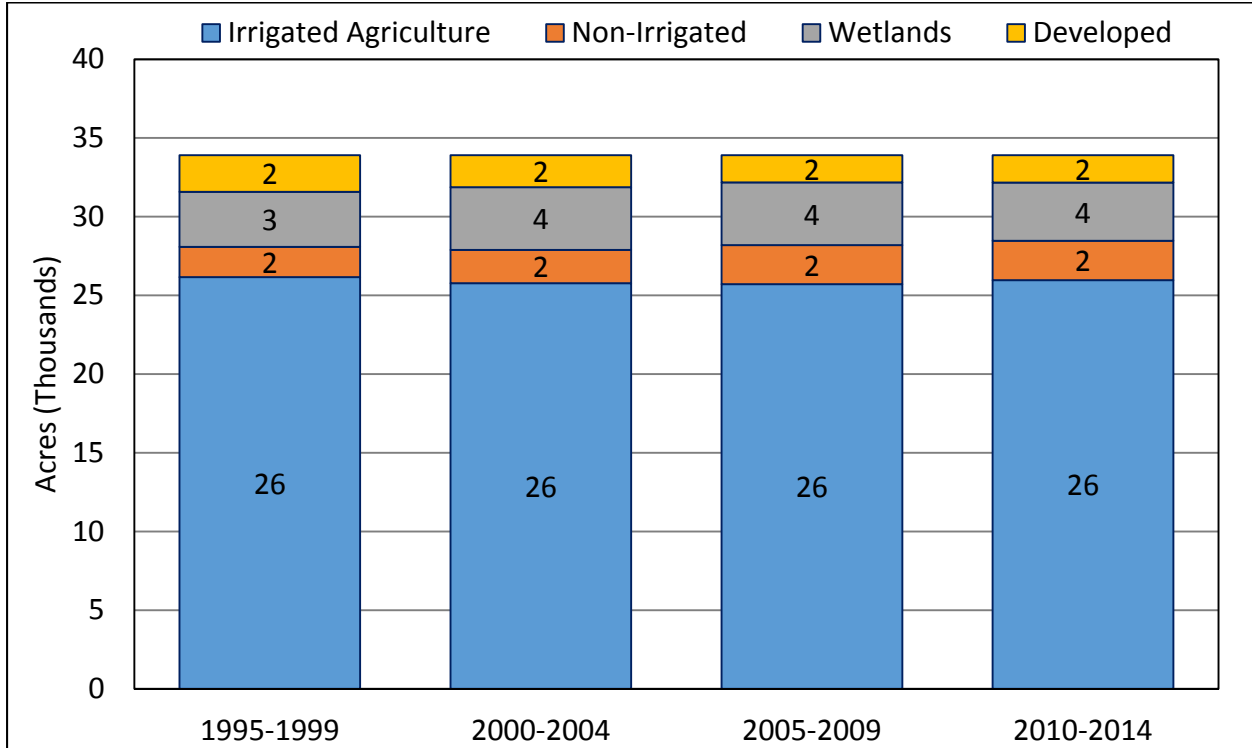


C.3. East Butte Inventory Unit

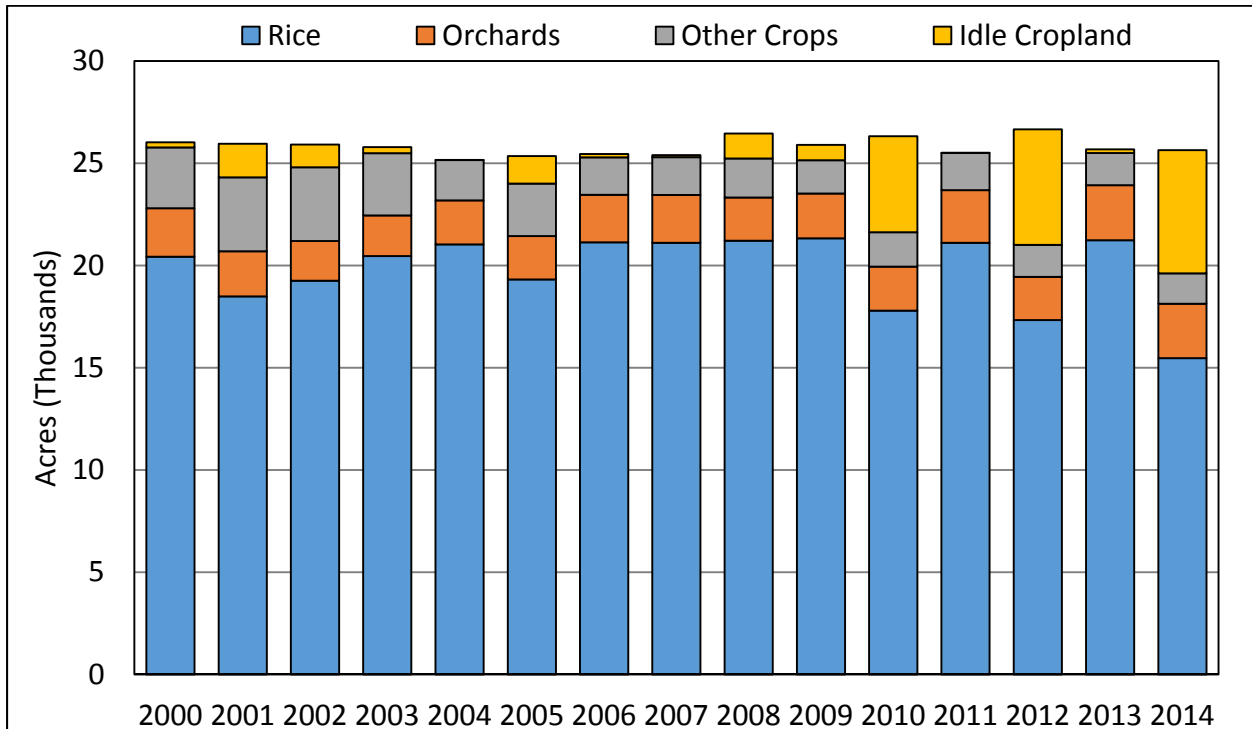
C.3.1. Biggs-West Gridley Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	20,431	6	603	1,408	358	651	1,941	379	249	25,777	26,026
2001	18,489	7	542	1,298	359	888	1,904	824	1,647	24,311	25,958
2002	19,256	6	572	1,052	314	893	1,857	856	1,115	24,805	25,920
2003	20,461	6	674	953	358	1,144	1,447	455	299	25,496	25,795
2004	21,036	5	907	1,001	235	528	1,414	32	1	25,158	25,159
2005	19,318	5	1,157	608	354	250	1,127	1,190	1,349	24,008	25,357
2006	21,134	6	1,152	941	229	411	1,394	21	165	25,289	25,455
2007	21,112	7	1,153	953	227	386	1,413	48	106	25,298	25,405
2008	21,216	5	952	762	390	353	1,172	390	1,222	25,239	26,461
2009	21,333	3	1,163	850	175	222	1,358	48	749	25,151	25,900
2010	17,798	5	1,129	777	238	148	1,265	274	4,692	21,632	26,324
2011	21,112	5	1,542	764	262	144	1,506	170	12	25,504	25,516
2012	17,332	5	1,246	640	224	260	1,211	97	5,647	21,014	26,662
2013	21,237	7	1,783	665	242	118	1,333	119	179	25,505	25,684
2014	15,472	14	1,884	539	226	15	1,400	68	6,027	19,618	25,645
Min	15,472	3	542	539	175	15	1,127	21	1	19,618	25,159
Max	21,333	14	1,884	1,408	390	1,144	1,941	1,190	6,027	25,777	26,662
Average	19,782	6	1,097	881	279	427	1,449	331	1,564	24,254	25,818

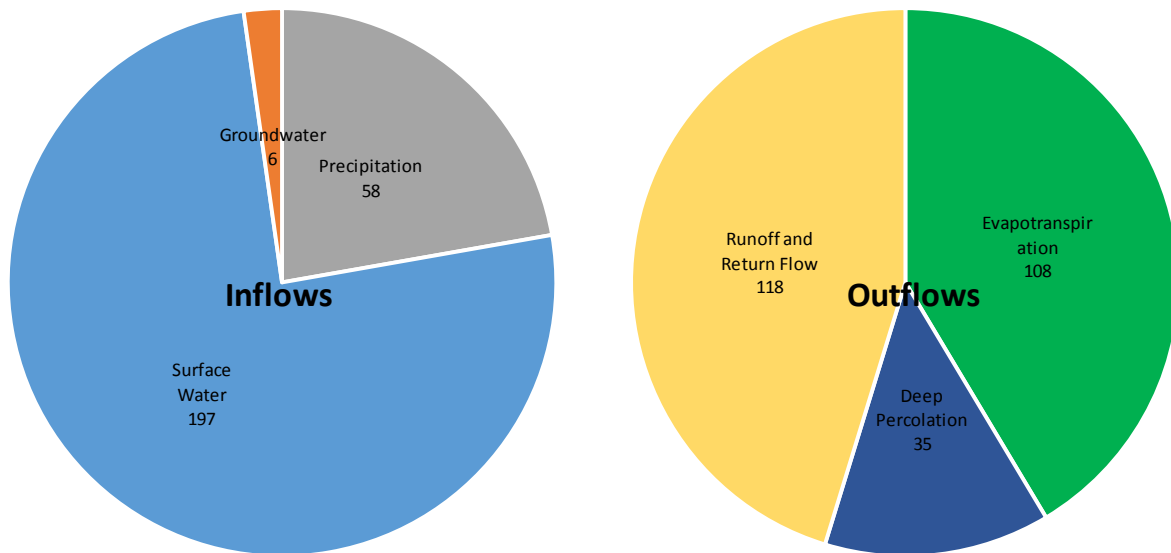


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	3,884	2,294	1,702	7,879
2001	3,829	2,137	1,982	7,947
2002	3,847	1,998	2,141	7,986
2003	4,038	1,846	2,226	8,110
2004	4,305	1,888	2,554	8,747
2005	4,245	1,735	2,569	8,548
2006	4,121	1,814	2,517	8,451
2007	4,084	1,853	2,565	8,501
2008	3,641	1,537	2,268	7,445
2009	3,853	1,696	2,457	8,006
2010	3,611	1,606	2,365	7,582
2011	3,862	1,869	2,660	8,390
2012	3,409	1,535	2,300	7,244
2013	3,817	1,825	2,580	8,222
2014	3,839	1,839	2,583	8,261
Min	3,409	1,535	1,702	7,244
Max	4,305	2,294	2,660	8,747
Average	3,892	1,831	2,364	8,088

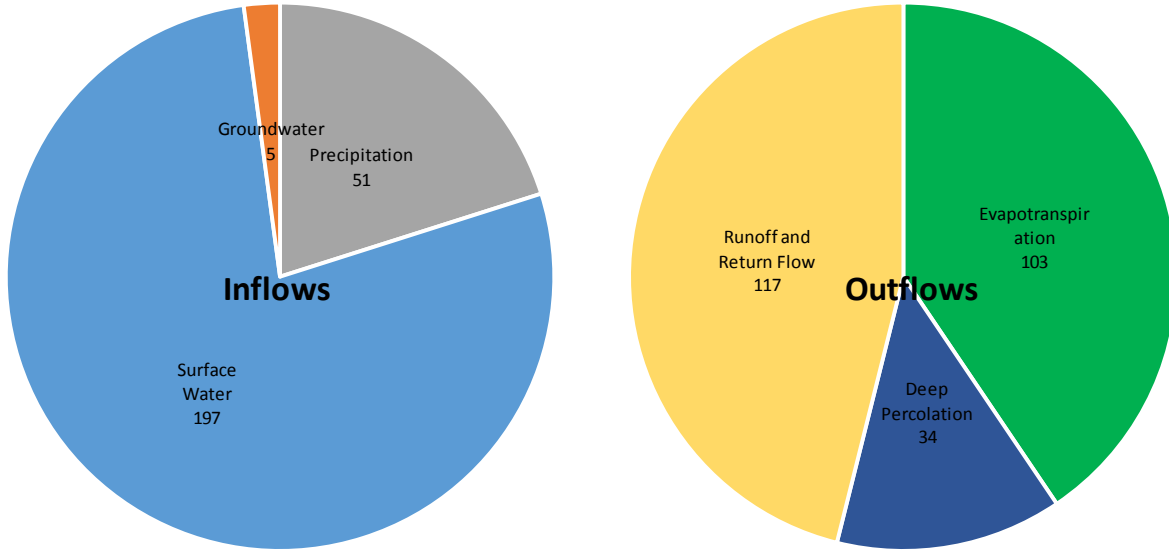
Water Budgets

Biggs-West Gridley Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

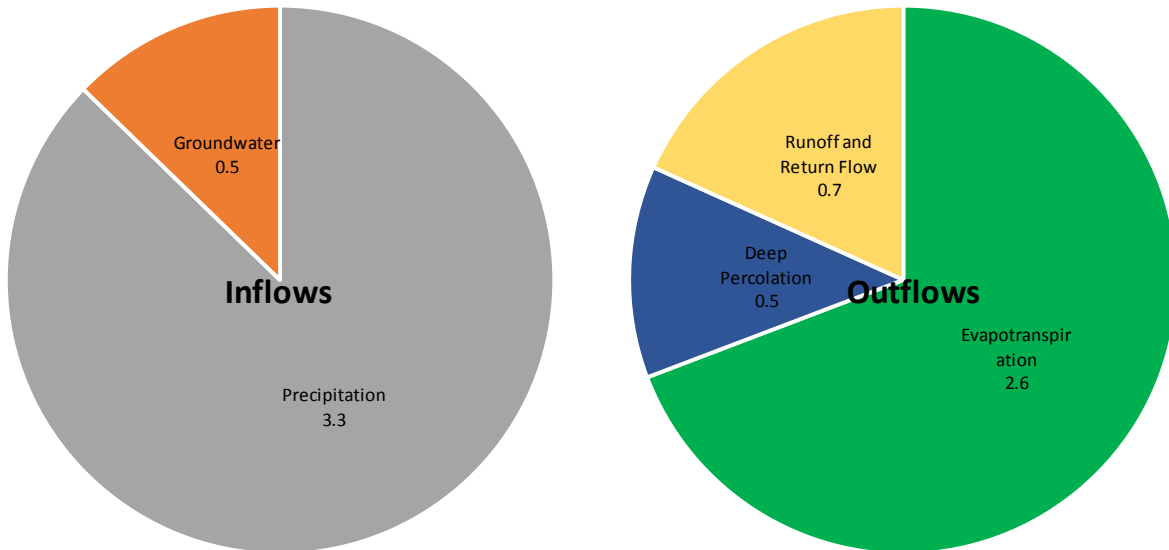




Biggs-West Gridley Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

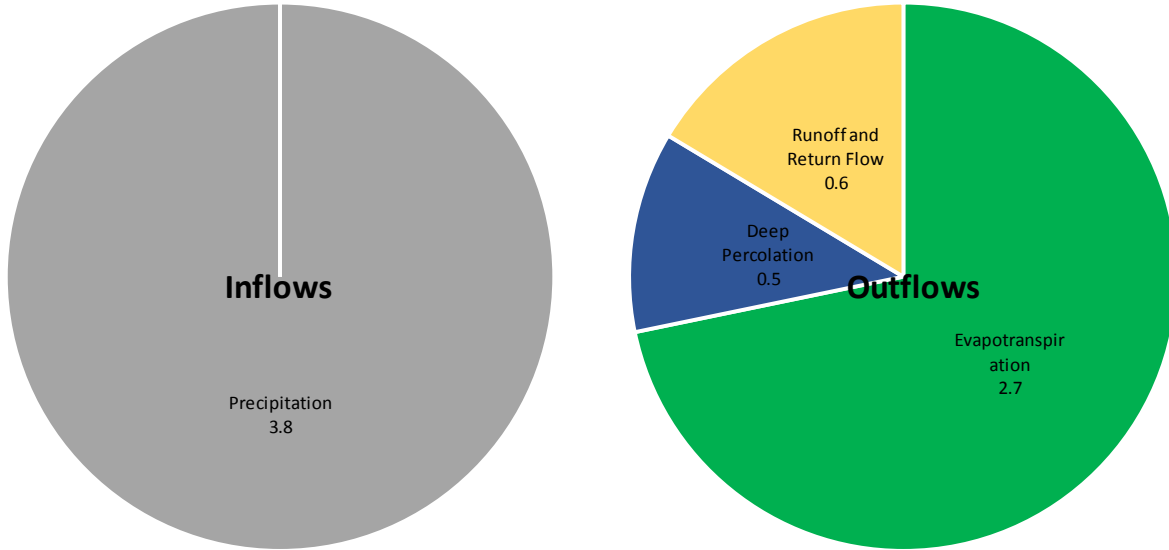


Biggs-West Gridley Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

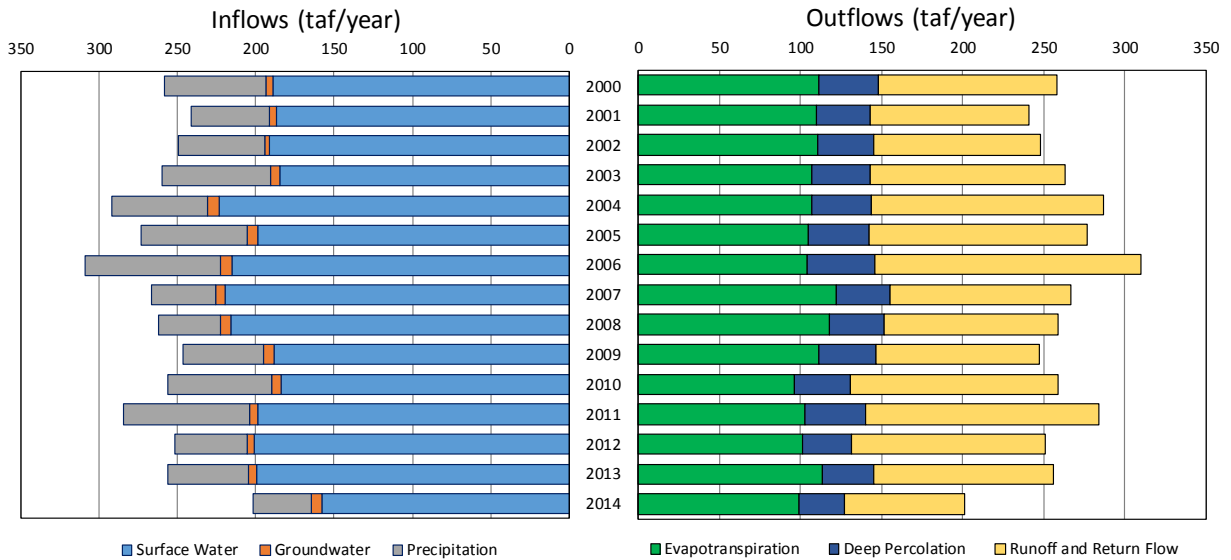




Biggs-West Gridley Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Biggs-West Gridley Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

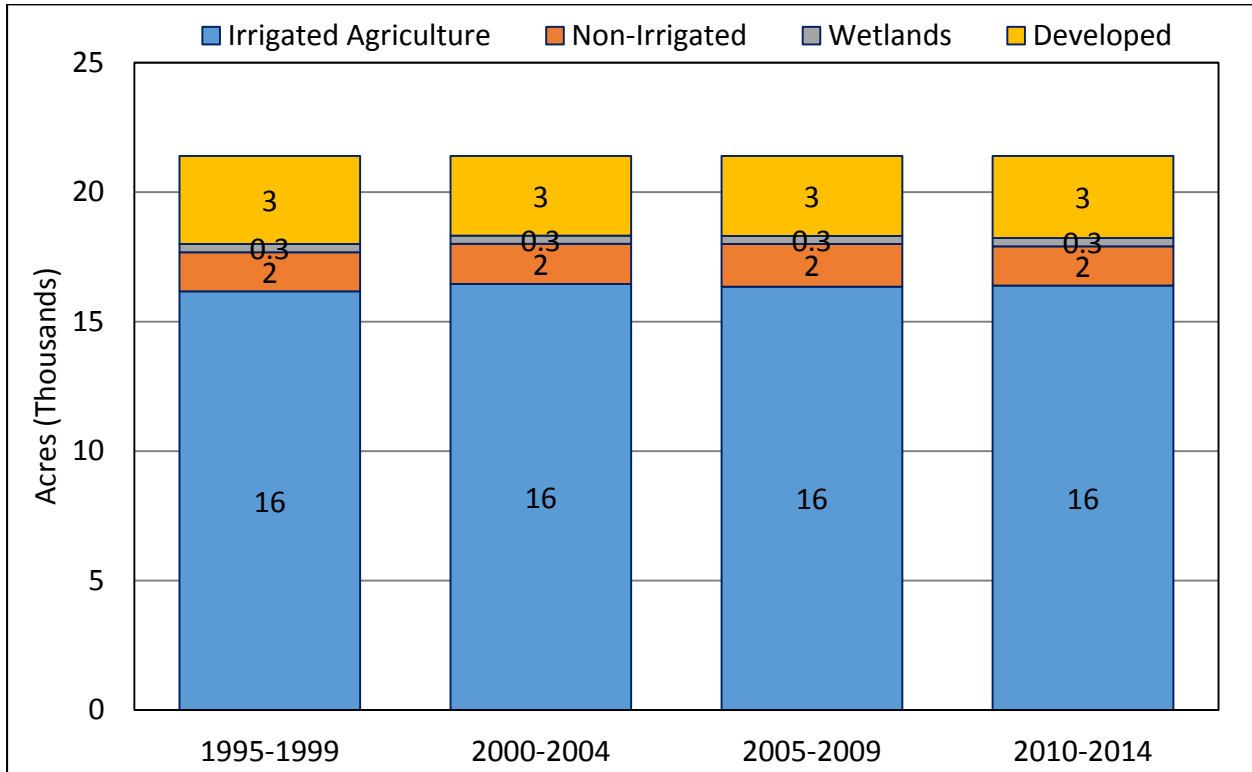
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	65	189	5	112	36	110	0
2001 (D)	50	187	4	110	33	98	0
2002 (D)	55	191	3	111	34	103	-2
2003 (AN)	69	184	7	107	36	120	4
2004 (BN)	61	223	8	107	37	144	-5
2005 (AN)	67	198	7	105	37	135	4
2006 (W)	87	215	7	104	42	164	1
2007 (D)	41	220	6	122	33	112	0
2008 (C)	40	216	6	118	34	107	-3
2009 (D)	52	188	6	111	35	101	1
2010 (BN)	67	184	6	96	35	128	3
2011 (W)	81	199	5	102	37	144	0
2012 (BN)	46	201	5	101	30	119	-1
2013 (D)	51	199	6	114	31	111	0
2014 (C)	37	157	7	99	28	74	-1
Minimum	37	157	3	96	28	74	-5
Maximum	87	223	8	122	42	164	4
Average	58	197	6	108	35	118	0
Averages by Hydrologic Year Type							
Wet (W)	84	207	6	103	40	154	0
Above Normal (AN)	67	190	6	108	37	122	2
Below Normal (BN)	58	203	6	101	34	130	-1
Dry (D)	50	197	5	113	33	105	0
Critical (C)	38	187	7	108	31	90	-2



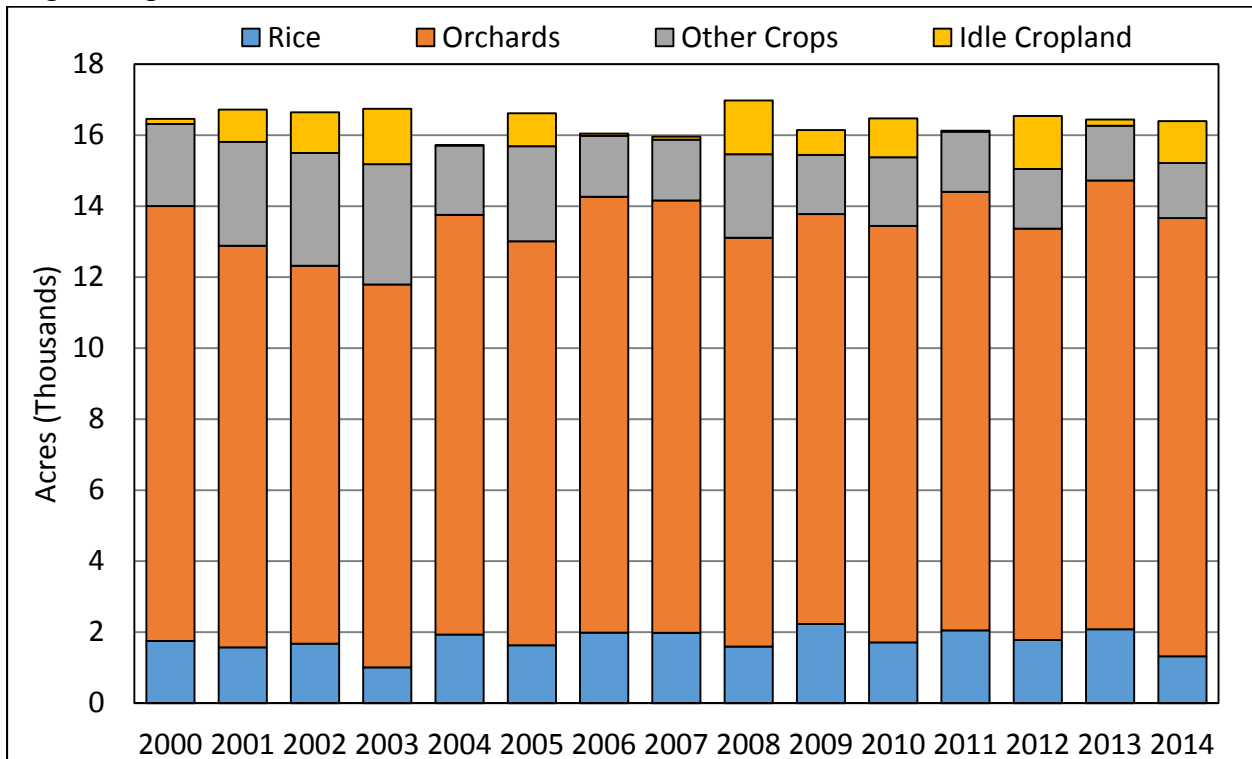
C.3.2. Butte Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	1,754	86	4,077	4,044	4,043	586	1,441	286	143	16,315	16,458
2001	1,571	88	3,858	3,661	3,709	773	1,255	893	914	15,809	16,723
2002	1,677	105	4,035	3,176	3,328	828	1,292	1,060	1,143	15,500	16,644
2003	1,011	113	4,321	2,782	3,565	1,077	1,184	1,130	1,558	15,184	16,742
2004	1,932	161	5,299	3,300	3,064	590	1,200	165	2	15,711	15,713
2005	1,632	133	5,405	1,968	3,874	286	959	1,430	930	15,688	16,618
2006	1,989	184	6,044	3,260	2,788	439	1,233	47	63	15,983	16,046
2007	1,984	207	5,842	3,405	2,723	395	1,247	73	82	15,875	15,957
2008	1,594	168	4,962	2,554	3,833	335	1,107	913	1,512	15,465	16,977
2009	2,233	238	5,892	3,266	2,150	213	1,331	125	699	15,447	16,146
2010	1,713	250	5,616	3,065	2,800	127	1,172	634	1,096	15,378	16,473
2011	2,049	268	6,396	2,914	2,778	92	1,336	268	25	16,100	16,125
2012	1,781	267	6,014	2,734	2,573	219	1,235	226	1,494	15,049	16,543
2013	2,082	256	7,417	2,482	2,489	69	1,249	222	176	16,266	16,442
2014	1,319	271	7,742	2,024	2,309	9	1,324	218	1,179	15,216	16,395
Min	1,011	86	3,858	1,968	2,150	9	959	47	2	15,049	15,713
Max	2,233	271	7,742	4,044	4,043	1,077	1,441	1,430	1,558	16,315	16,977
Average	1,755	186	5,528	2,976	3,068	402	1,238	513	734	15,666	16,400

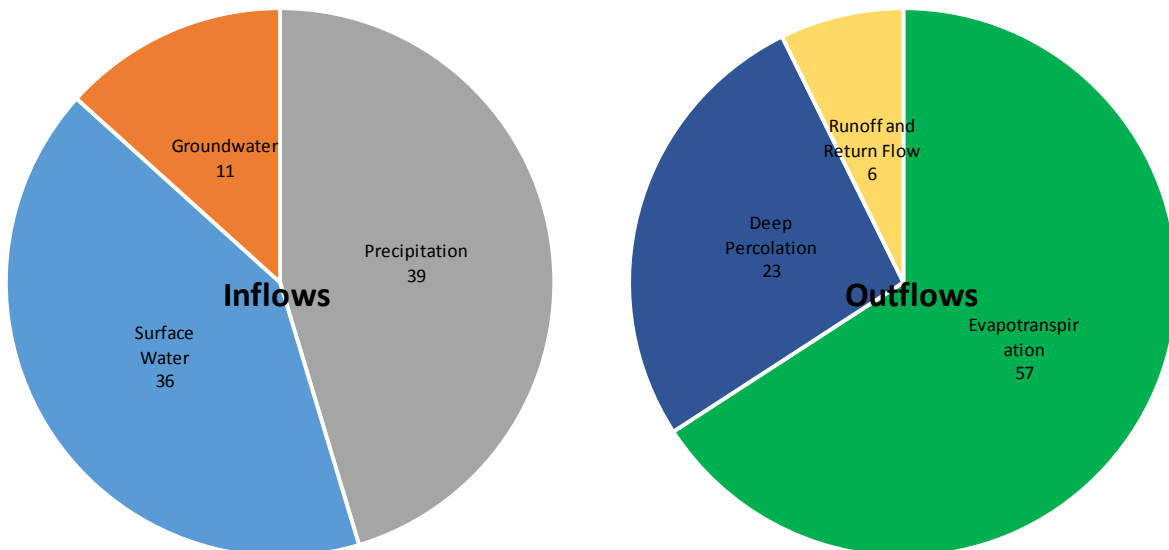


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	330	3,312	1,297	4,940
2001	300	2,955	1,420	4,675
2002	301	2,910	1,544	4,755
2003	293	2,812	1,552	4,656
2004	342	3,396	1,947	5,685
2005	304	2,844	1,633	4,780
2006	327	3,262	1,763	5,352
2007	338	3,331	1,772	5,441
2008	267	2,730	1,425	4,421
2009	324	3,270	1,658	5,252
2010	303	3,082	1,539	4,925
2011	354	3,322	1,598	5,273
2012	298	3,076	1,481	4,855
2013	330	3,157	1,468	4,955
2014	332	3,194	1,477	5,003
Min	267	2,730	1,297	4,421
Max	354	3,396	1,947	5,685
Average	316	3,110	1,572	4,998

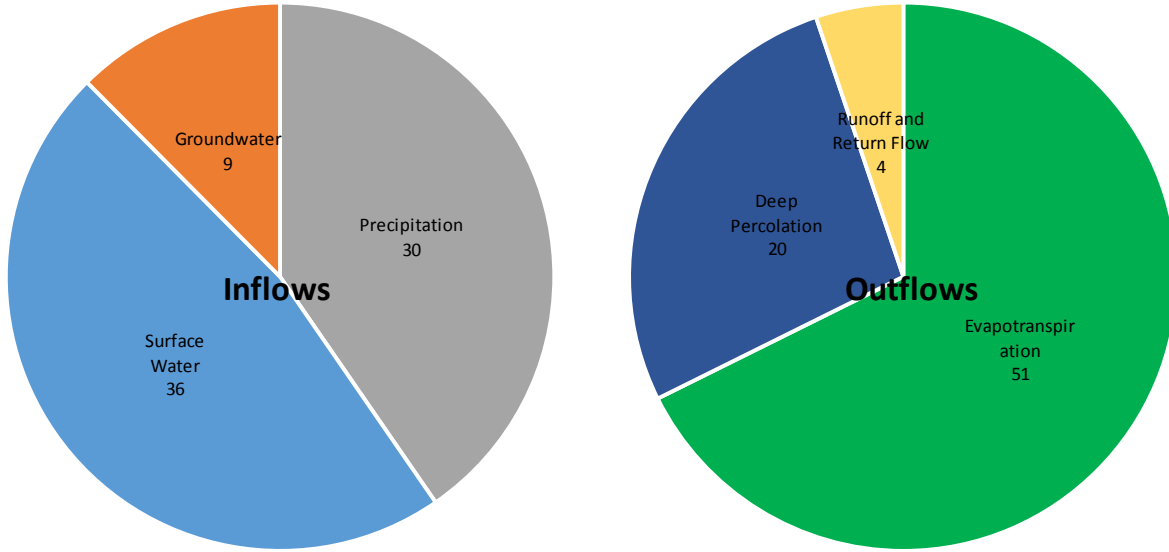
Water Budgets

Butte Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

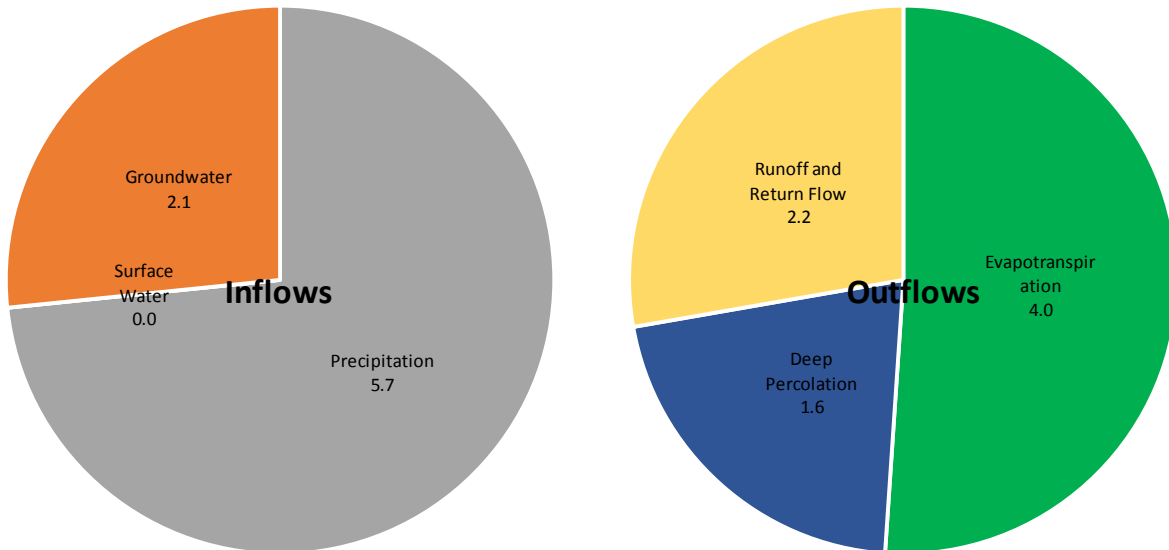




Butte Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

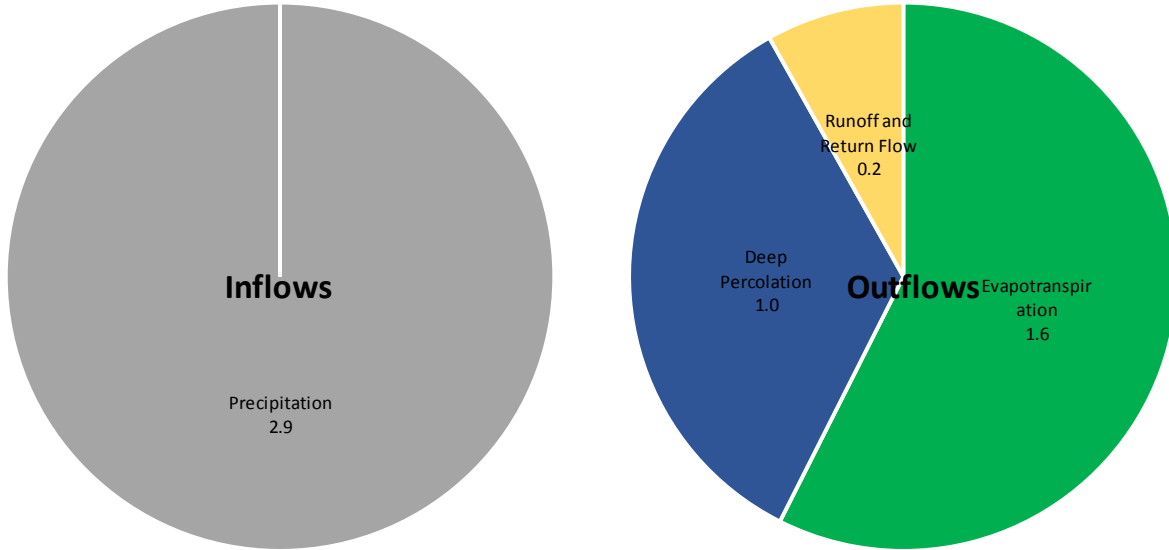


Butte Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

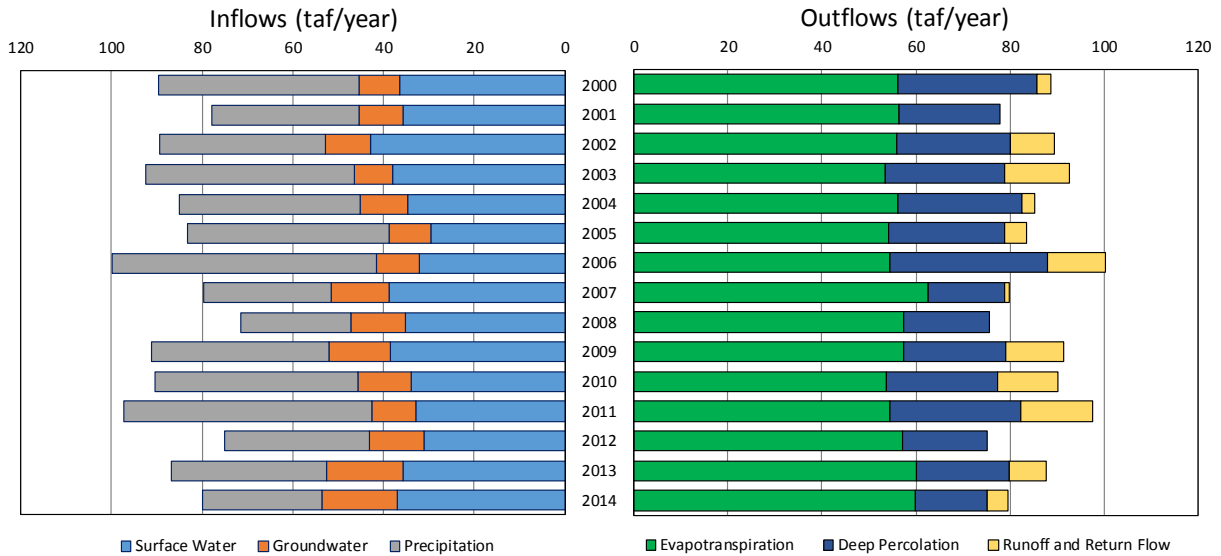




Butte Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Butte Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

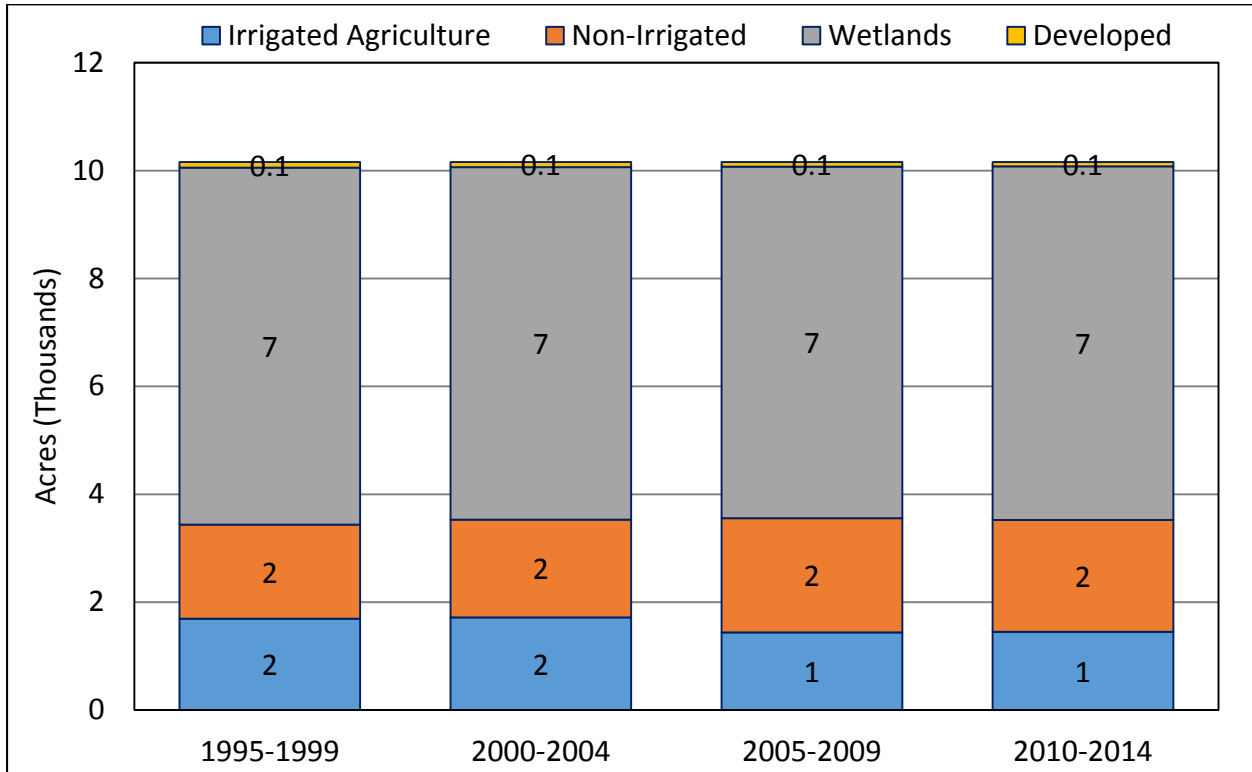
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	44	36	9	56	30	3	-1
2001 (D)	33	36	10	56	21	0	-1
2002 (D)	36	43	10	56	24	9	0
2003 (AN)	46	38	9	53	25	14	0
2004 (BN)	40	35	10	56	27	3	0
2005 (AN)	44	30	9	54	25	5	1
2006 (W)	58	32	9	54	34	12	0
2007 (D)	28	39	13	63	16	1	0
2008 (C)	24	35	12	57	18	-5	-1
2009 (D)	39	38	14	57	22	12	0
2010 (BN)	45	34	12	54	24	13	0
2011 (W)	55	33	10	54	28	15	1
2012 (BN)	32	31	12	57	18	-1	-1
2013 (D)	34	36	17	60	20	8	1
2014 (C)	26	37	17	60	15	4	0
Minimum	24	30	9	53	15	-5	-1
Maximum	58	43	17	63	34	15	1
Average	39	36	11	57	23	6	0
Averages by Hydrologic Year Type							
Wet (W)	57	33	9	54	31	14	0
Above Normal (AN)	45	35	9	55	27	7	0
Below Normal (BN)	39	33	11	56	23	5	0
Dry (D)	34	38	13	58	21	6	0
Critical (C)	25	36	14	59	17	0	0



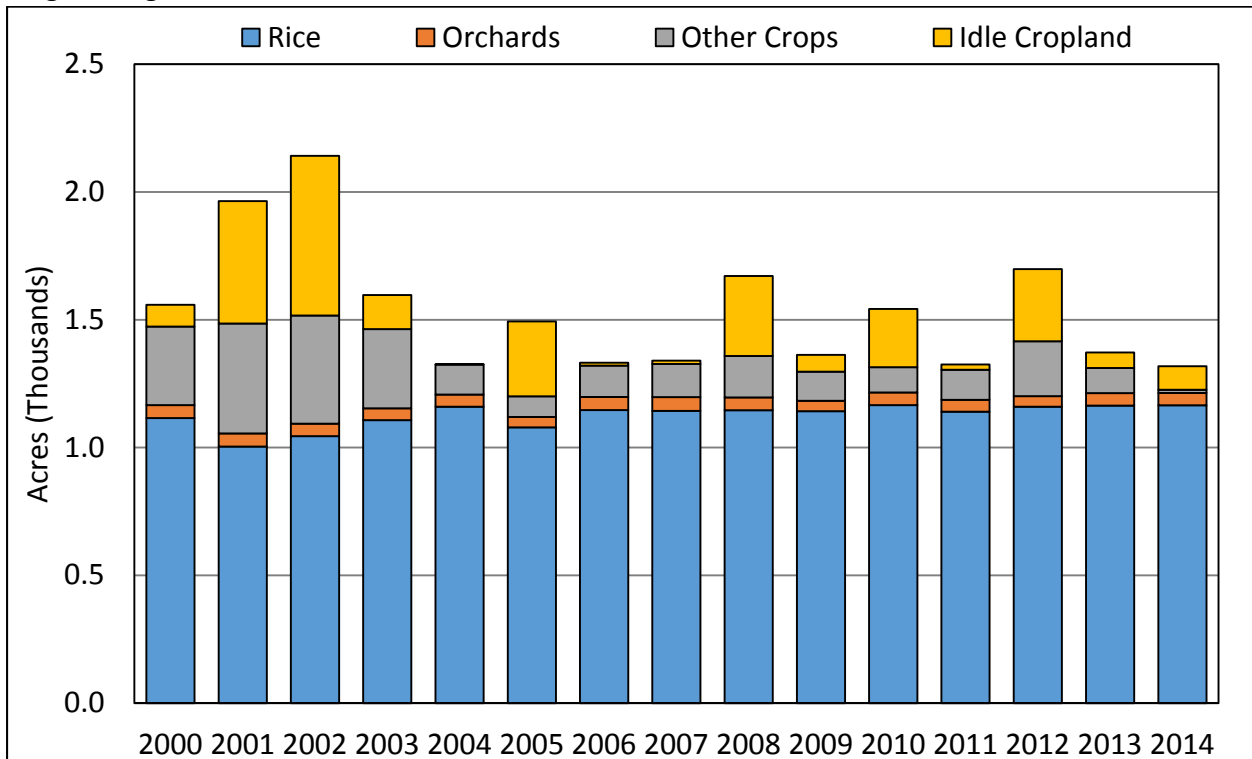
C.3.3. Butte Sink Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	1,116	44	0	7	0	55	0	253	85	1,474	1,559
2001	1,004	38	0	13	0	100	0	330	479	1,485	1,964
2002	1,045	32	0	17	0	123	0	300	625	1,517	2,142
2003	1,107	26	0	21	0	180	0	131	133	1,464	1,597
2004	1,160	21	0	27	0	117	0	0	0	1,325	1,325
2005	1,079	19	0	22	0	81	0	0	293	1,200	1,494
2006	1,147	23	0	28	0	122	0	0	11	1,321	1,332
2007	1,144	25	0	29	0	130	0	0	13	1,327	1,340
2008	1,146	25	0	25	0	162	0	0	313	1,359	1,671
2009	1,142	13	0	28	0	114	0	0	66	1,297	1,363
2010	1,166	22	0	27	0	99	0	0	228	1,314	1,542
2011	1,140	21	0	26	0	118	0	0	20	1,305	1,325
2012	1,160	19	0	22	0	215	0	0	282	1,416	1,698
2013	1,165	27	0	22	0	98	0	0	61	1,311	1,372
2014	1,166	29	0	19	0	13	0	0	92	1,226	1,318
Min	1,004	13	0	7	0	13	0	0	0	1,200	1,318
Max	1,166	44	0	29	0	215	0	330	625	1,517	2,142
Average	1,126	26	0	22	0	115	0	68	180	1,356	1,536

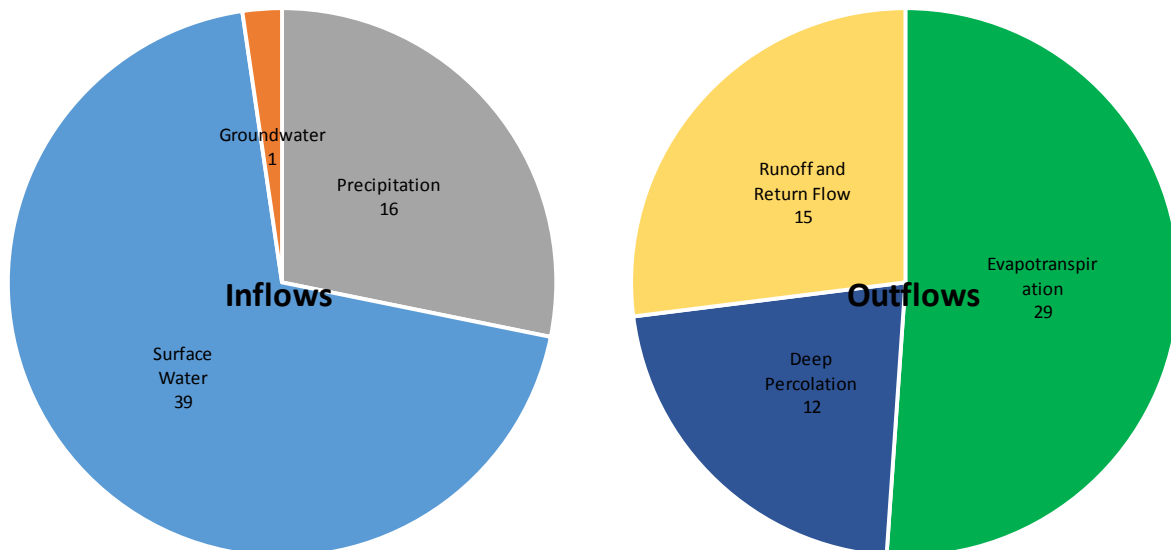


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	6,912	105	1,584	8,600
2001	6,452	97	1,645	8,195
2002	6,194	92	1,731	8,017
2003	6,526	94	1,942	8,562
2004	6,582	92	2,160	8,833
2005	6,425	89	2,151	8,665
2006	6,596	89	2,142	8,827
2007	6,595	88	2,136	8,818
2008	6,362	82	2,044	8,487
2009	6,596	83	2,116	8,796
2010	6,474	80	2,063	8,616
2011	6,640	81	2,113	8,833
2012	6,385	78	1,997	8,460
2013	6,616	83	2,088	8,786
2014	6,653	84	2,103	8,840
Min	6,194	78	1,584	8,017
Max	6,912	105	2,160	8,840
Average	6,534	88	2,001	8,622

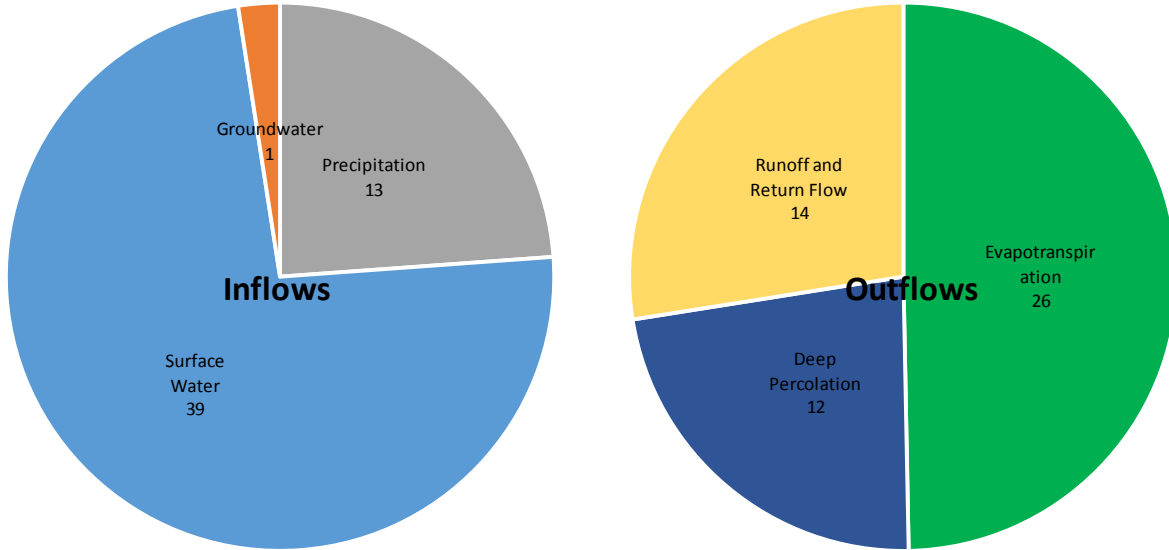
Water Budgets

Butte Sink Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

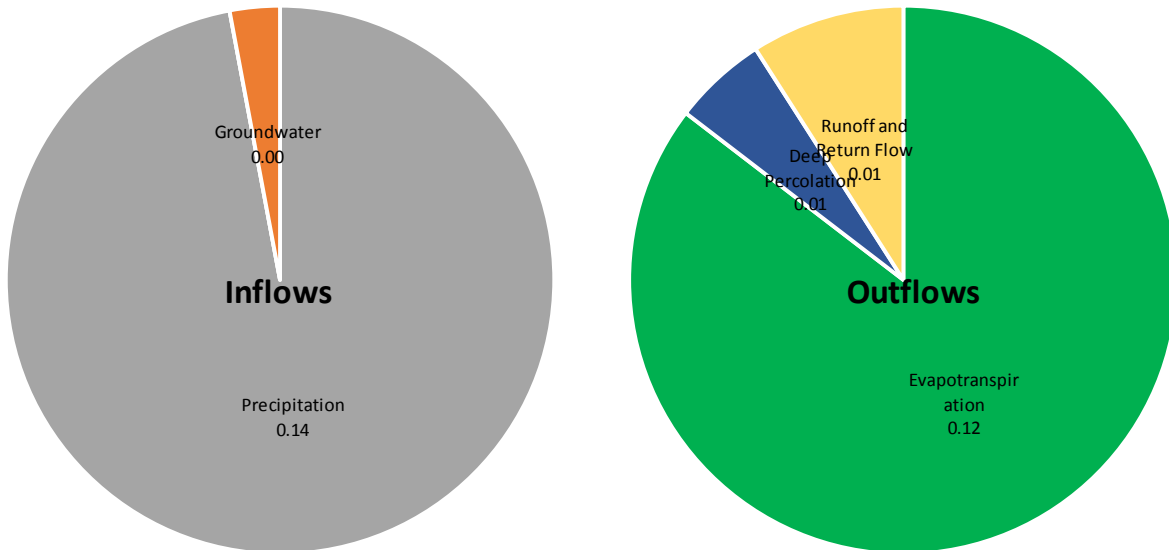




Butte Sink Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

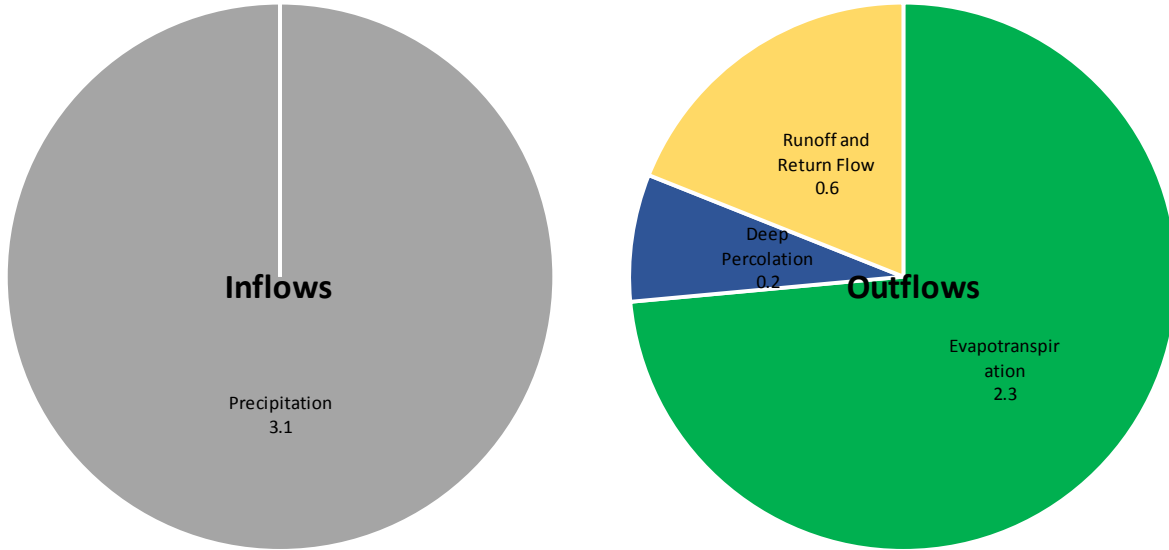


Butte Sink Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

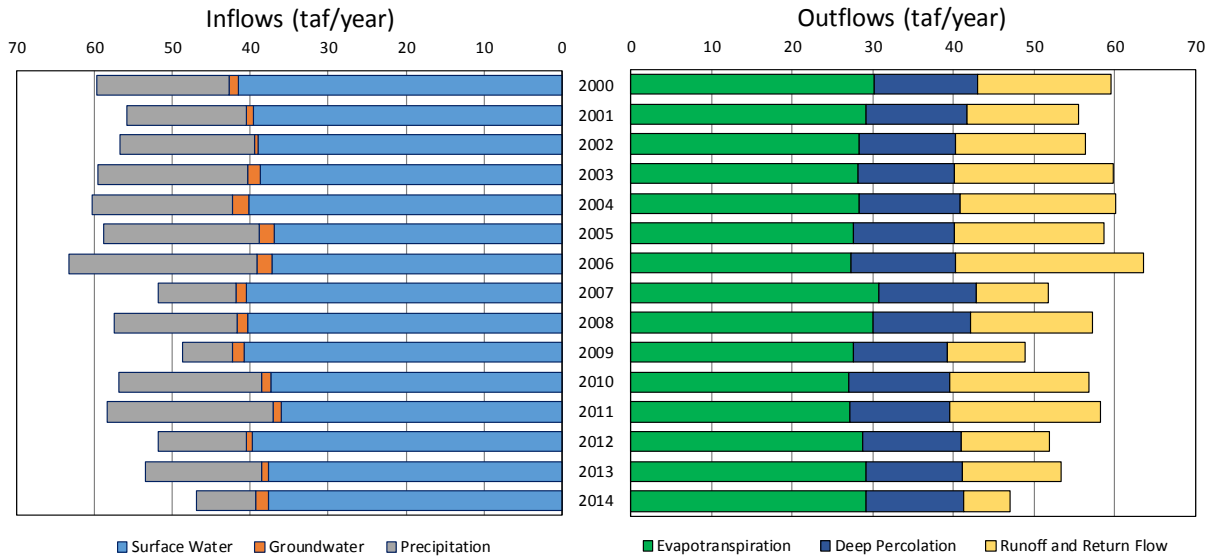




Butte Sink Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Butte Sink Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

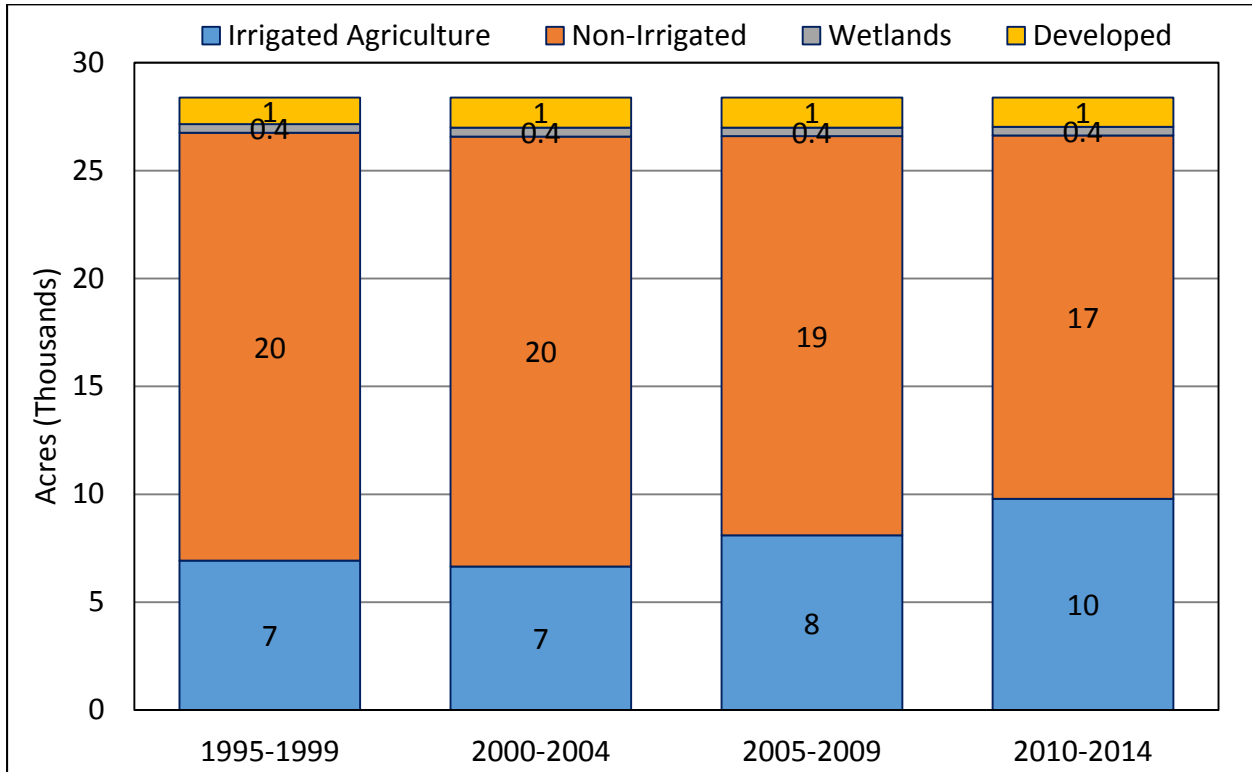
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	17	42	1	30	13	17	0
2001 (D)	15	40	1	29	13	14	0
2002 (D)	17	39	0	28	12	16	0
2003 (AN)	19	39	2	28	12	20	0
2004 (BN)	18	40	2	28	12	19	-1
2005 (AN)	20	37	2	28	13	19	0
2006 (W)	24	37	2	27	13	23	0
2007 (D)	10	40	1	31	12	9	0
2008 (C)	16	40	1	30	12	15	0
2009 (D)	6	41	1	28	12	10	0
2010 (BN)	18	37	1	27	13	17	0
2011 (W)	21	36	1	27	12	19	0
2012 (BN)	11	40	1	29	12	11	0
2013 (D)	15	38	1	29	12	12	0
2014 (C)	8	38	2	29	12	6	0
Minimum	6	36	0	27	12	6	-1
Maximum	24	42	2	31	13	23	0
Average	16	39	1	29	12	15	0
Averages by Hydrologic Year Type							
Wet (W)	23	37	1	27	13	21	0
Above Normal (AN)	19	39	2	29	12	18	0
Below Normal (BN)	16	39	1	28	12	16	0
Dry (D)	13	40	1	29	12	12	0
Critical (C)	12	39	1	30	12	10	0



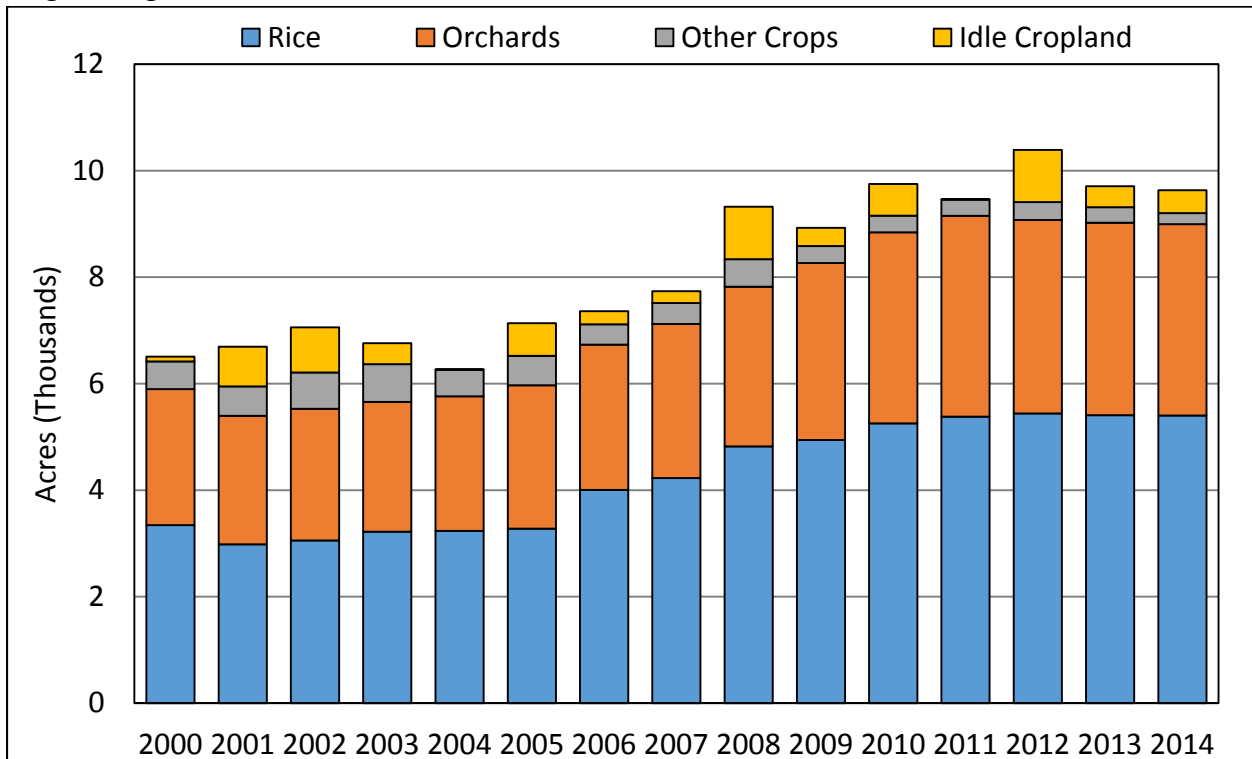
C.3.4. Cherokee Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	3,345	1,544	0	162	847	197	188	134	91	6,418	6,509
2001	2,983	1,494	0	166	754	189	199	164	745	5,949	6,693
2002	3,056	1,437	0	128	906	178	211	293	848	6,209	7,057
2003	3,222	1,539	0	97	801	203	220	286	391	6,368	6,759
2004	3,236	1,660	0	66	801	136	235	133	1	6,266	6,267
2005	3,278	1,583	36	49	1,024	92	221	239	614	6,522	7,136
2006	4,006	1,532	45	66	1,085	140	211	32	247	7,116	7,363
2007	4,228	1,561	49	66	1,216	146	195	55	224	7,515	7,738
2008	4,822	1,318	50	61	1,572	145	164	206	988	8,337	9,325
2009	4,944	1,473	61	64	1,724	129	175	15	344	8,584	8,928
2010	5,256	1,463	63	64	1,999	100	149	63	595	9,155	9,750
2011	5,382	1,469	83	61	2,158	136	147	24	2	9,459	9,461
2012	5,442	1,440	80	53	2,061	165	147	24	980	9,411	10,391
2013	5,407	1,465	87	54	2,010	114	155	24	393	9,315	9,708
2014	5,401	1,483	87	44	1,981	14	164	27	431	9,202	9,633
Min	2,983	1,318	0	44	754	14	147	15	1	5,949	6,267
Max	5,442	1,660	87	166	2,158	203	235	293	988	9,459	10,391
Average	4,267	1,497	43	80	1,396	139	185	115	459	7,722	8,181

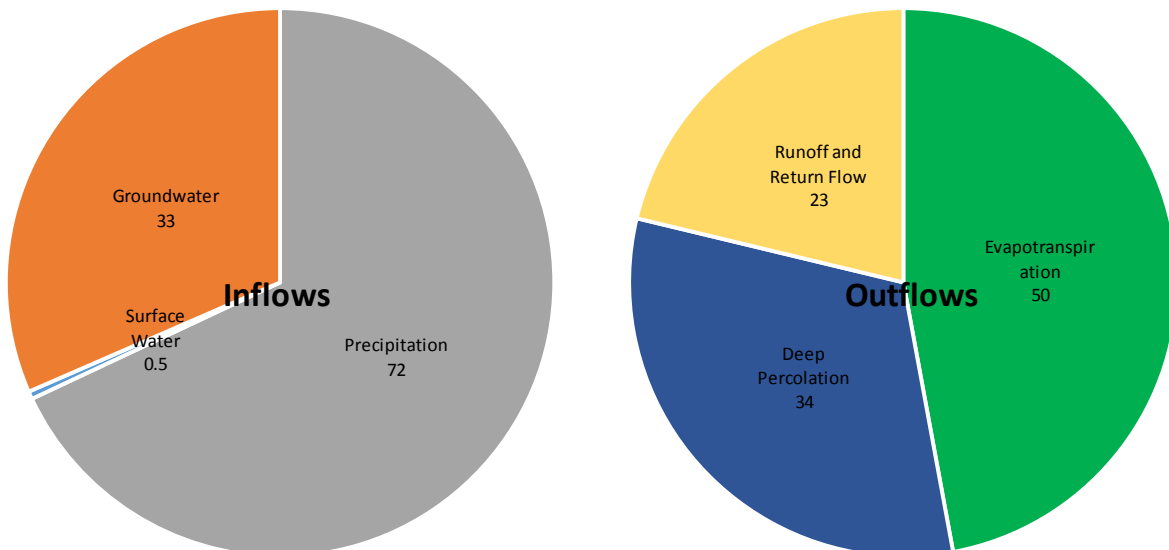


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	439	1,354	20,085	21,878
2001	419	1,349	19,927	21,695
2002	403	1,345	19,583	21,330
2003	400	1,400	19,829	21,629
2004	412	1,520	20,189	22,121
2005	390	1,433	19,428	21,251
2006	403	1,452	19,170	21,025
2007	407	1,449	18,793	20,649
2008	368	1,265	17,431	19,063
2009	396	1,368	17,696	19,459
2010	389	1,309	16,939	18,637
2011	417	1,397	17,113	18,927
2012	382	1,290	16,325	17,997
2013	412	1,396	16,871	18,680
2014	414	1,407	16,933	18,755
Min	368	1,265	16,325	17,997
Max	439	1,520	20,189	22,121
Average	403	1,382	18,421	20,206

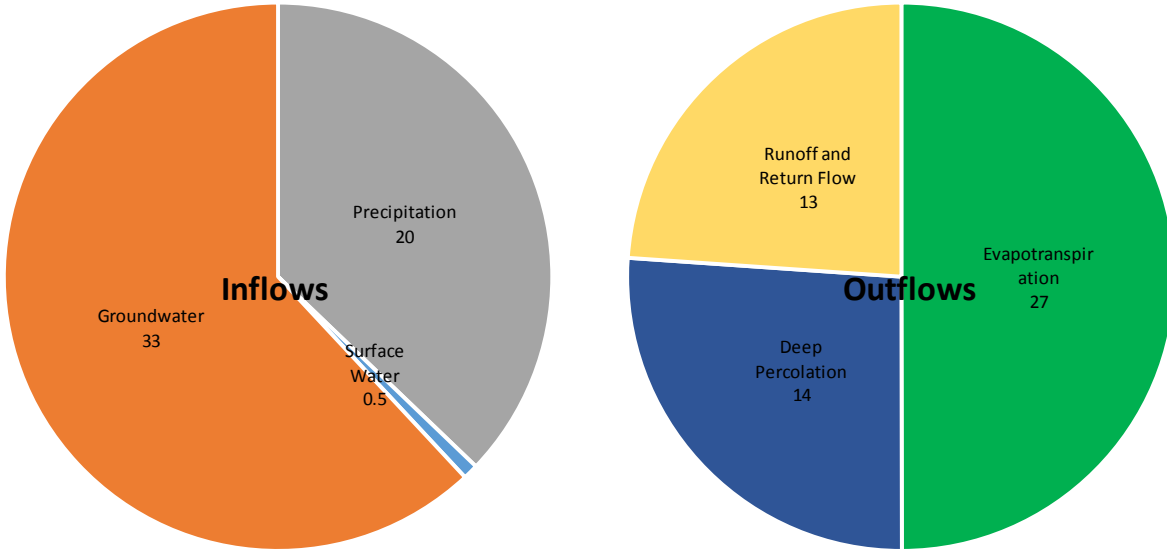
Water Budgets

Cherokee Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

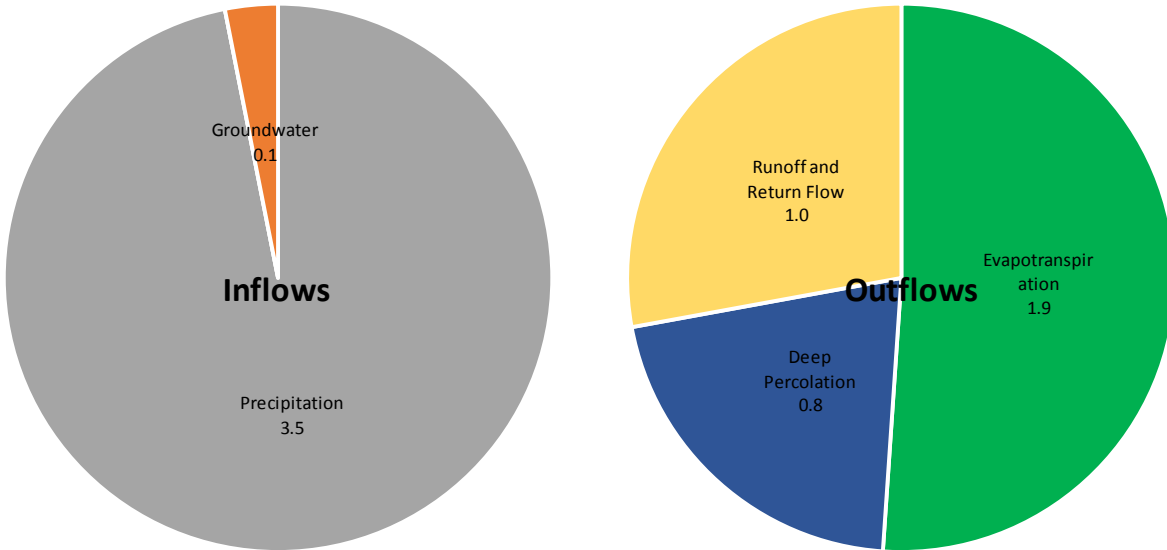




Cherokee Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

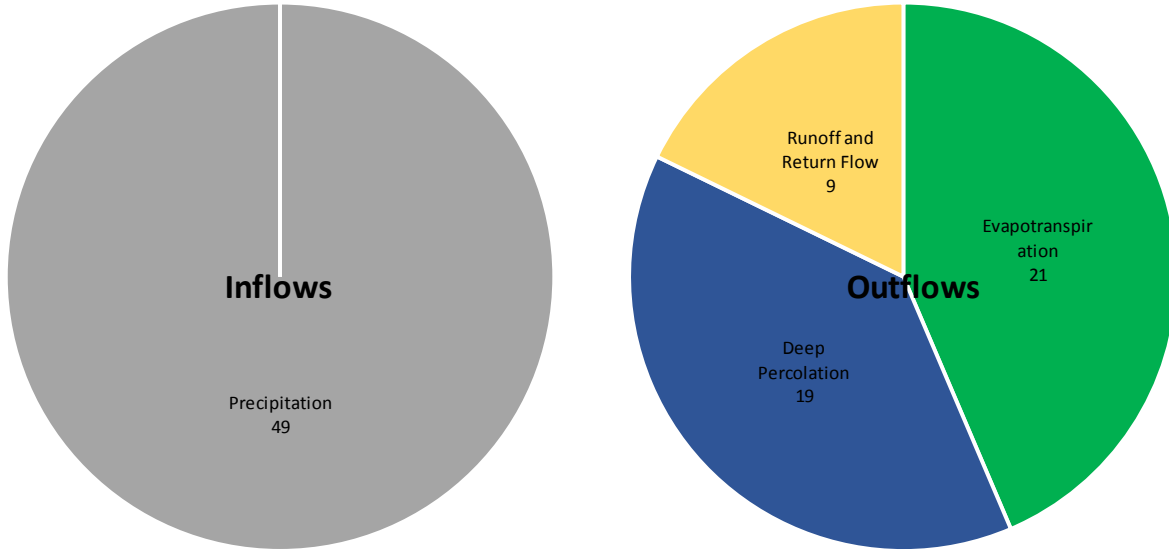


Cherokee Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

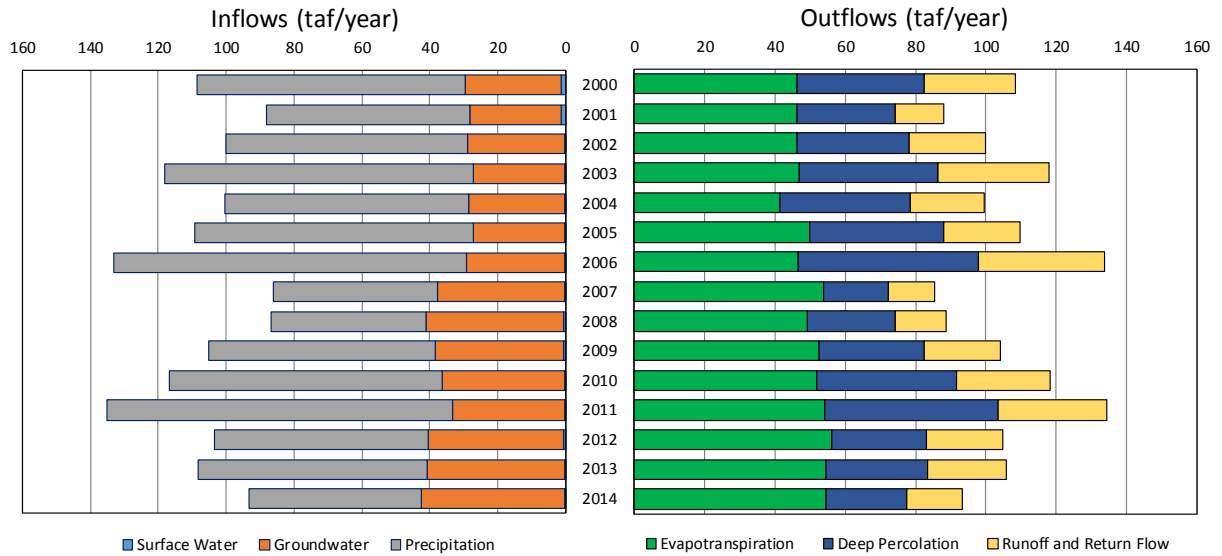




Cherokee Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Cherokee Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

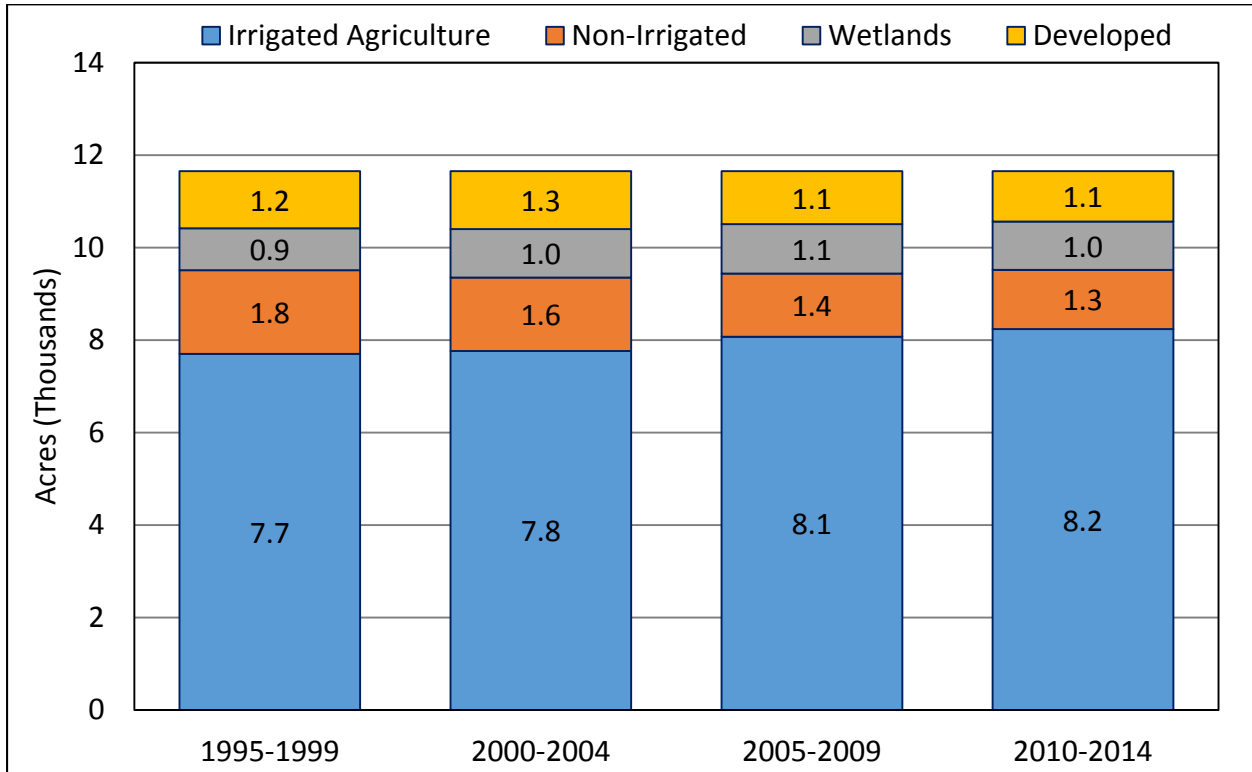
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	79	1	28	46	36	26	0
2001 (D)	60	1	27	46	28	14	0
2002 (D)	71	0	28	46	32	22	0
2003 (AN)	91	0	27	47	39	31	1
2004 (BN)	72	0	28	41	37	21	-1
2005 (AN)	82	0	27	50	38	22	2
2006 (W)	104	0	29	46	51	36	0
2007 (D)	48	0	37	54	19	13	2
2008 (C)	46	0	41	49	25	14	-1
2009 (D)	67	0	38	53	30	22	1
2010 (BN)	80	0	36	52	40	27	1
2011 (W)	102	0	33	54	49	31	0
2012 (BN)	63	0	40	56	27	22	0
2013 (D)	67	0	40	54	29	22	1
2014 (C)	51	0	42	54	23	16	-1
Minimum	46	0	27	41	19	13	-1
Maximum	104	1	42	56	51	36	2
Average	72	0	33	50	34	23	0
Averages by Hydrologic Year Type							
Wet (W)	103	0	31	50	50	33	0
Above Normal (AN)	84	1	27	48	38	26	1
Below Normal (BN)	72	0	35	50	35	23	0
Dry (D)	63	1	34	51	28	19	1
Critical (C)	48	0	41	52	24	15	-1



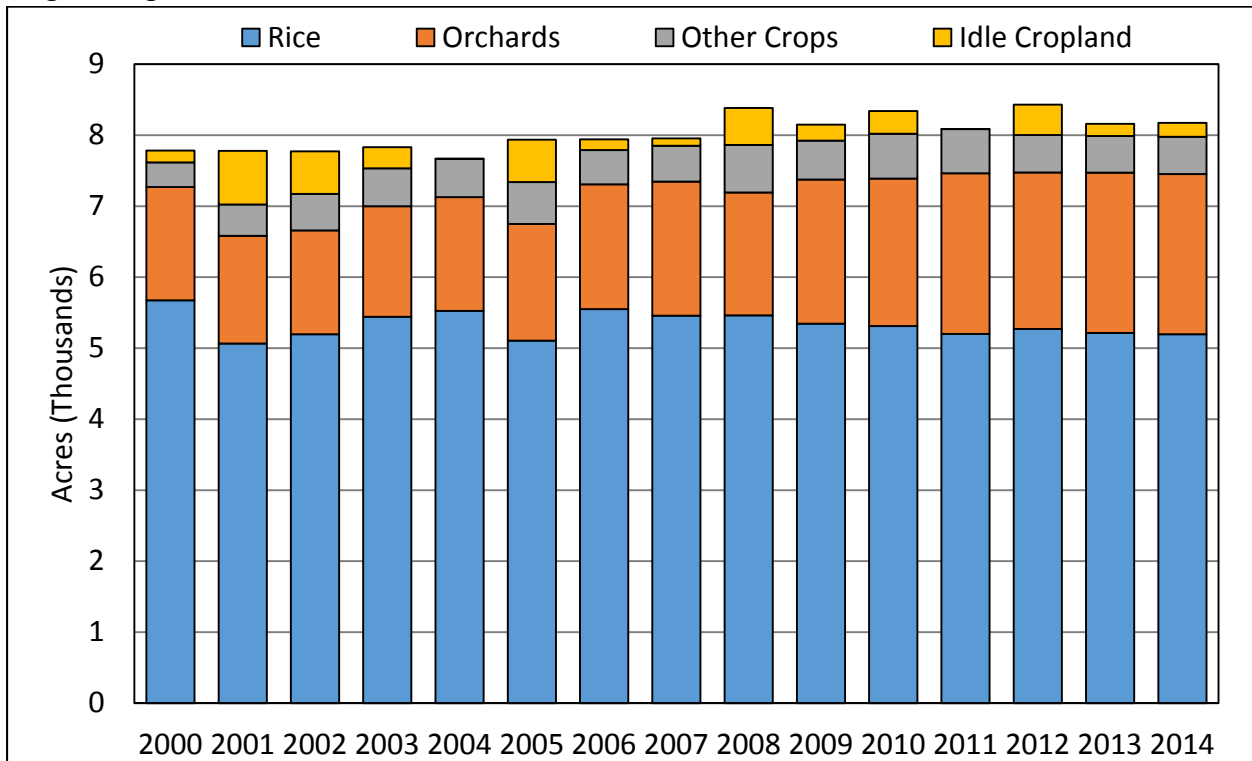
C.3.5. Esquon Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	5,675	1,471	102	0	22	27	206	114	168	7,616	7,785
2001	5,066	1,396	100	0	22	25	251	165	756	7,024	7,780
2002	5,198	1,342	103	0	16	21	309	184	600	7,173	7,773
2003	5,441	1,427	112	0	21	24	323	185	298	7,533	7,831
2004	5,526	1,469	123	0	11	13	411	115	1	7,666	7,667
2005	5,106	1,477	147	0	19	7	393	192	598	7,340	7,938
2006	5,550	1,550	196	0	12	10	460	13	152	7,789	7,941
2007	5,459	1,678	199	0	12	8	485	11	105	7,851	7,955
2008	5,461	1,538	166	0	28	8	459	202	522	7,862	8,384
2009	5,346	1,781	238	0	10	3	521	24	224	7,923	8,148
2010	5,312	1,833	230	0	14	1	499	131	320	8,020	8,340
2011	5,202	1,946	299	0	16	0	581	42	1	8,086	8,087
2012	5,272	1,899	288	0	15	0	493	35	430	8,001	8,431
2013	5,216	1,915	329	0	15	0	483	33	170	7,989	8,159
2014	5,197	1,920	322	0	14	0	493	33	195	7,978	8,174
Min	5,066	1,342	100	0	10	0	206	11	1	7,024	7,667
Max	5,675	1,946	329	0	28	27	581	202	756	8,086	8,431
Average	5,335	1,643	197	0	16	10	424	98	303	7,723	8,026

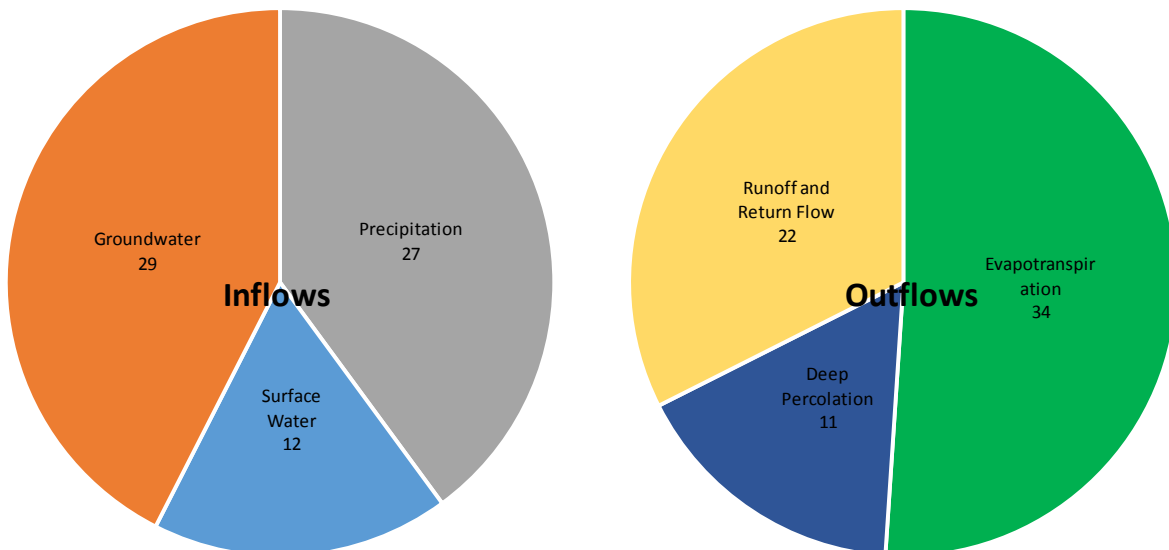


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	953	1,263	1,655	3,871
2001	996	1,231	1,649	3,875
2002	1,033	1,234	1,615	3,882
2003	1,081	1,231	1,513	3,824
2004	1,179	1,312	1,497	3,989
2005	1,112	1,183	1,423	3,718
2006	1,092	1,198	1,424	3,714
2007	1,097	1,189	1,414	3,700
2008	975	1,050	1,246	3,271
2009	1,056	1,115	1,336	3,507
2010	1,008	1,058	1,249	3,316
2011	1,094	1,132	1,342	3,568
2012	967	1,038	1,219	3,224
2013	1,082	1,112	1,303	3,496
2014	1,083	1,109	1,290	3,482
Min	953	1,038	1,219	3,224
Max	1,179	1,312	1,655	3,989
Average	1,054	1,164	1,412	3,629

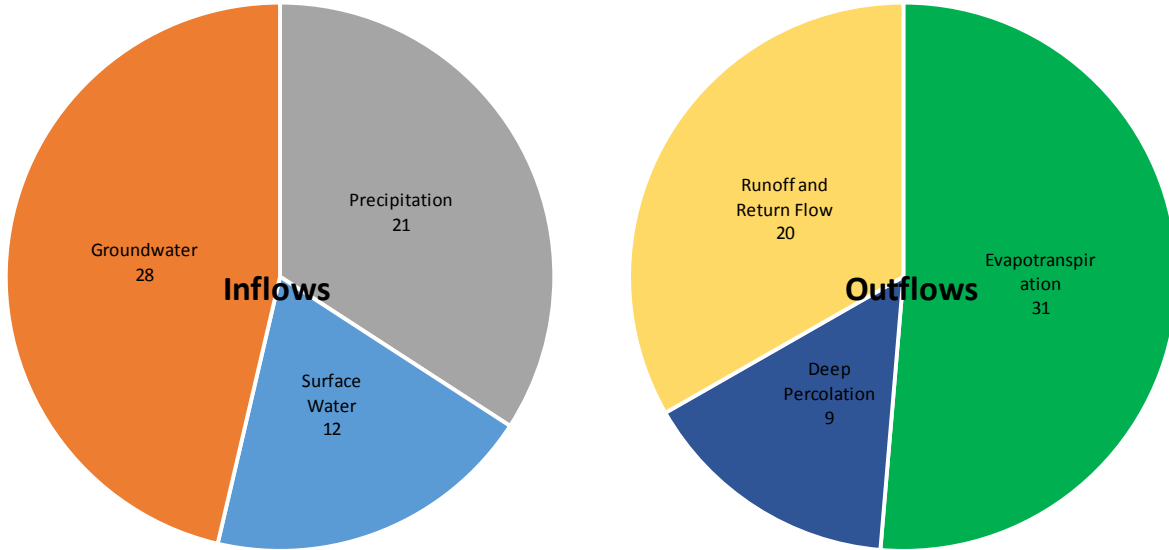
Water Budgets

Esquon Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

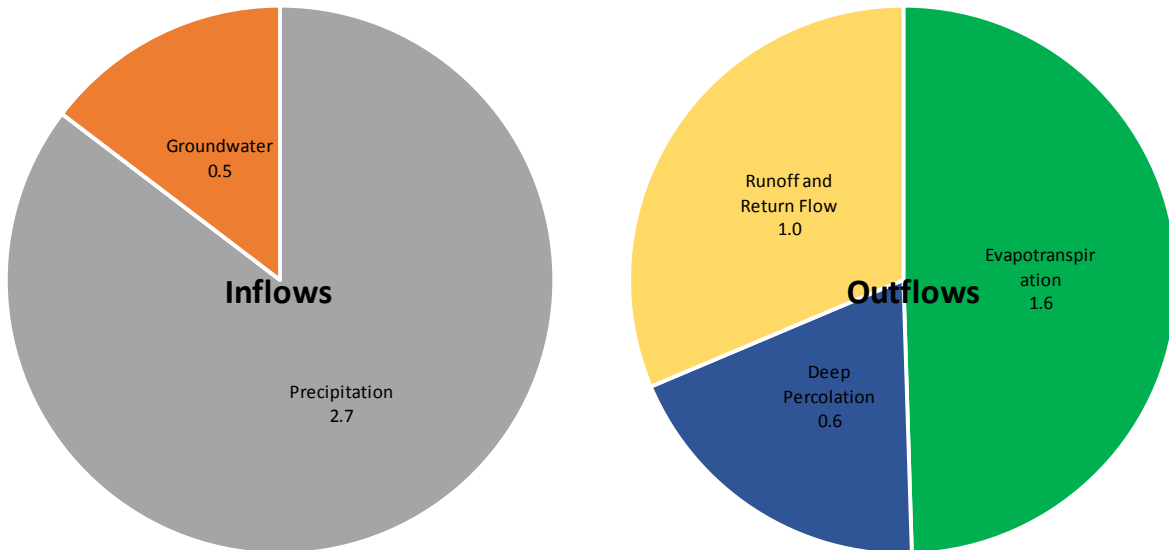




Esquon Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

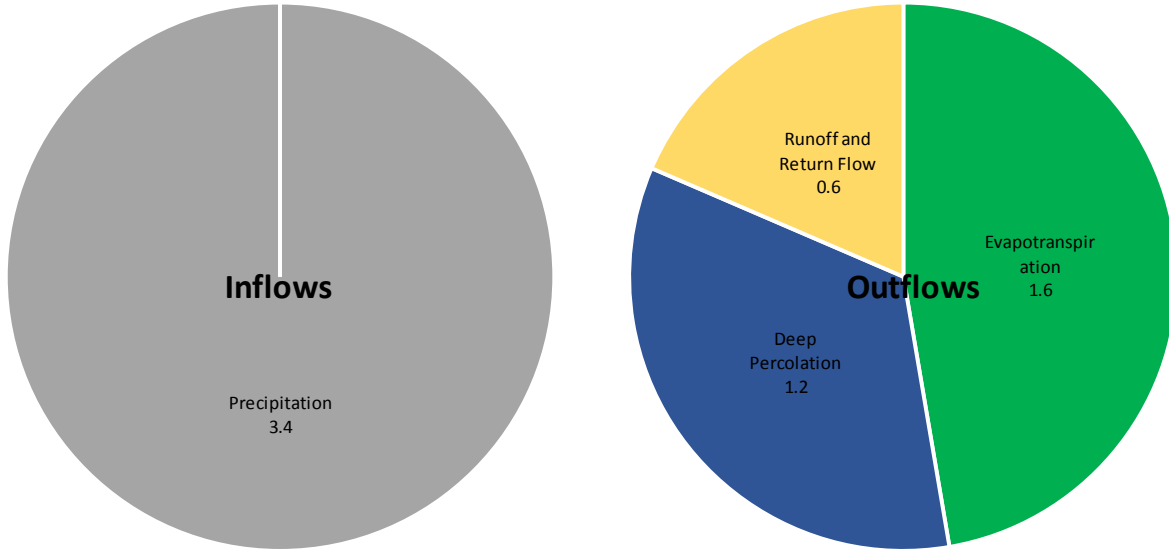


Esquon Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

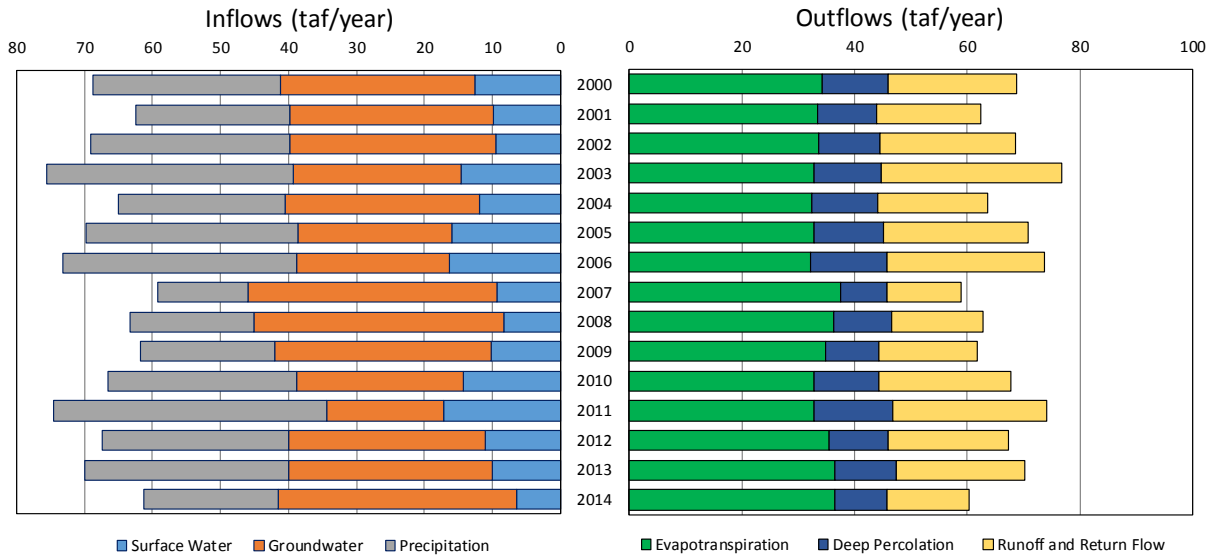




Esquon Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Esquon Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

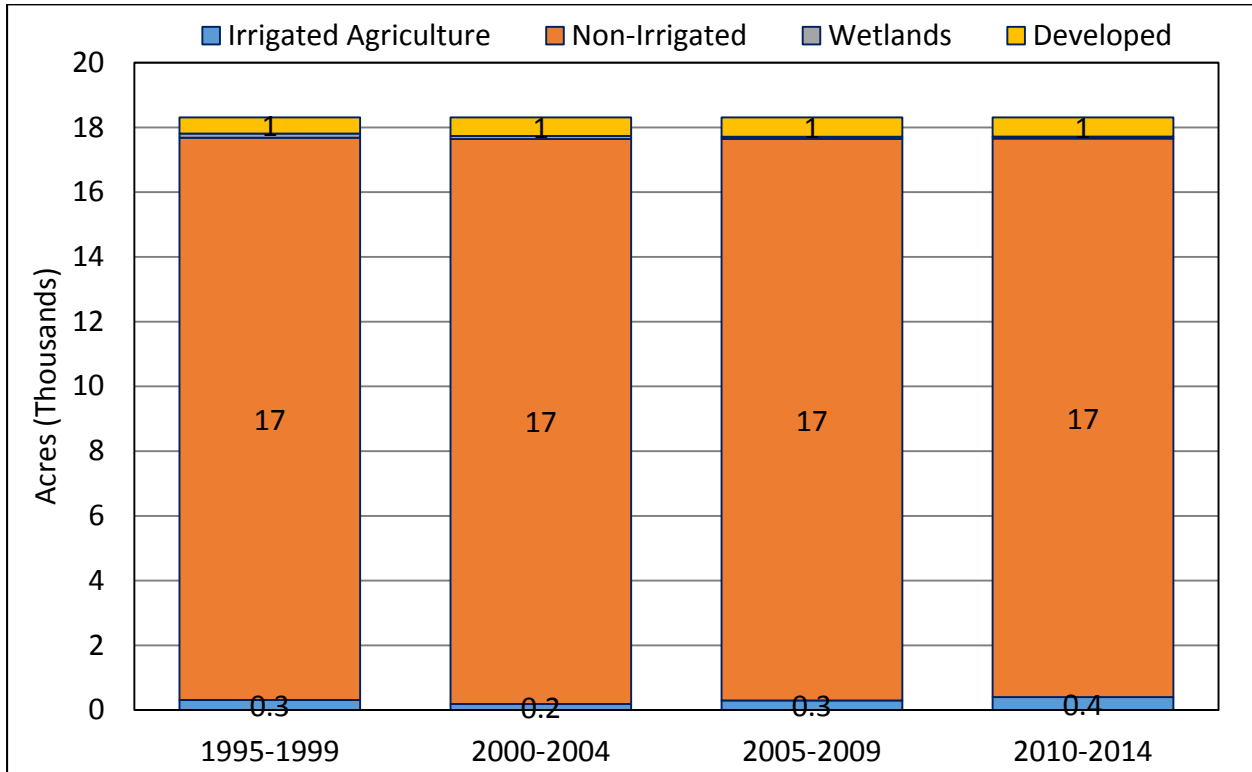
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	28	13	29	34	12	23	0
2001 (D)	23	10	30	33	10	18	0
2002 (D)	29	9	30	34	11	24	-1
2003 (AN)	36	15	25	33	12	32	1
2004 (BN)	24	12	29	32	12	20	-1
2005 (AN)	31	16	23	33	12	26	1
2006 (W)	34	16	23	32	14	28	0
2007 (D)	13	9	37	38	8	13	0
2008 (C)	18	8	37	36	10	16	0
2009 (D)	20	10	32	35	9	18	0
2010 (BN)	28	14	25	33	11	23	1
2011 (W)	40	17	17	33	14	27	0
2012 (BN)	28	11	29	36	10	21	0
2013 (D)	30	10	30	36	11	23	1
2014 (C)	20	7	35	37	9	14	-1
Minimum	13	7	17	32	8	13	-1
Maximum	40	17	37	38	14	32	1
Average	27	12	29	34	11	22	0
Averages by Hydrologic Year Type							
Wet (W)	37	17	20	33	14	28	0
Above Normal (AN)	32	14	25	33	12	27	1
Below Normal (BN)	27	12	27	34	11	21	0
Dry (D)	23	10	32	35	10	19	0
Critical (C)	19	7	36	36	10	15	-1



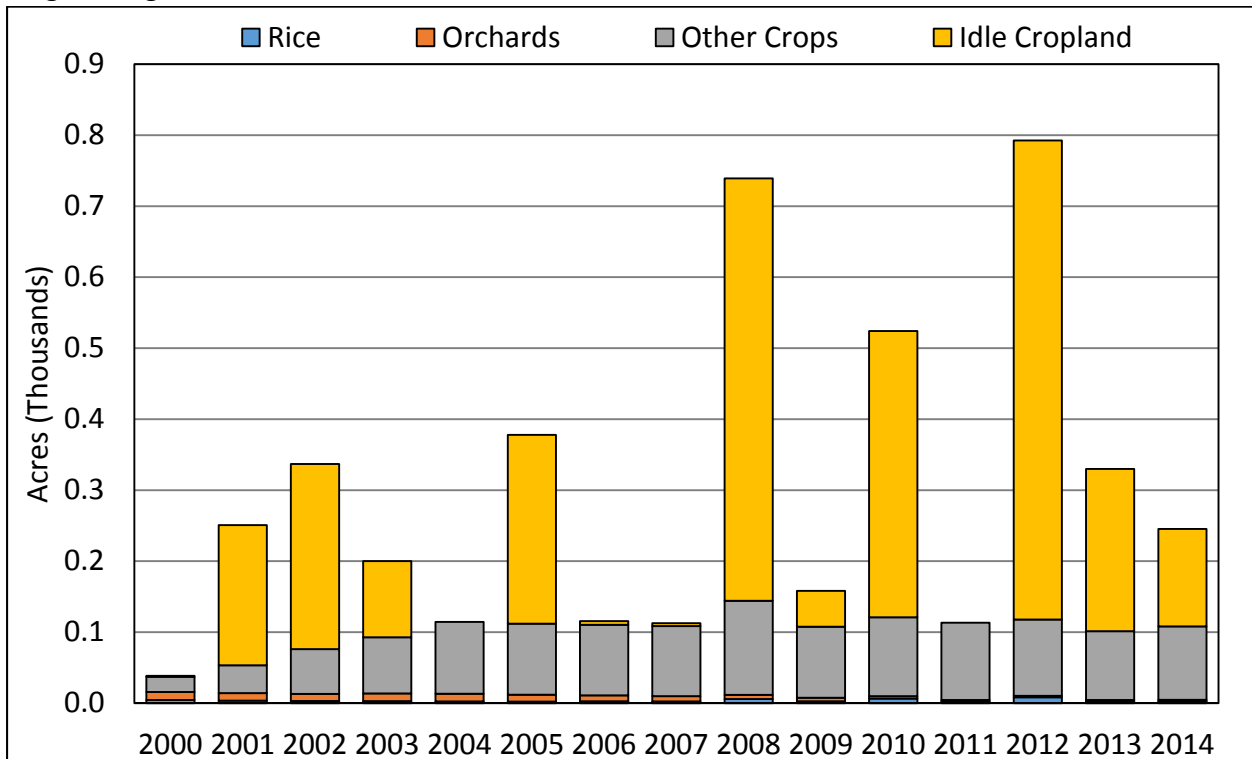
C.3.6. Pentz Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	4	11	0	0	0	0	17	5	1	37	39
2001	4	11	0	0	0	0	36	4	197	53	251
2002	3	10	0	0	0	0	58	5	261	76	337
2003	3	11	0	0	0	0	75	5	107	93	200
2004	2	11	0	0	0	0	100	1	0	115	115
2005	2	10	0	0	0	0	93	7	266	112	378
2006	3	9	0	0	0	0	99	0	5	110	116
2007	3	8	0	0	0	0	98	0	4	109	113
2008	6	6	0	0	0	0	96	37	595	144	739
2009	3	5	0	0	0	0	99	1	51	108	158
2010	7	3	0	0	0	0	99	12	403	121	524
2011	2	2	0	0	0	0	99	10	0	113	113
2012	8	2	0	0	0	0	99	9	675	118	793
2013	3	2	0	0	0	0	88	9	228	102	330
2014	3	2	0	0	0	0	93	10	137	108	245
Min	2	2	0	0	0	0	17	0	0	37	39
Max	8	11	0	0	0	0	100	37	675	144	793
Average	4	7	0	0	0	0	83	8	195	101	297

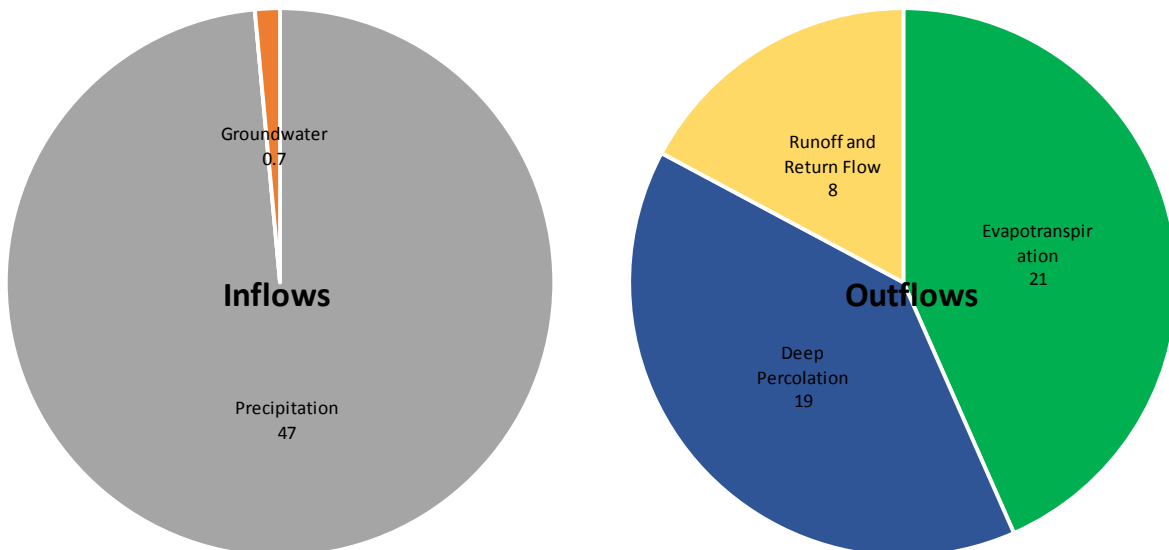


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	128	542	17,604	18,274
2001	110	551	17,401	18,062
2002	94	565	17,316	17,975
2003	80	593	17,439	18,112
2004	63	618	17,517	18,198
2005	62	599	17,274	17,935
2006	63	613	17,521	18,197
2007	63	610	17,526	18,200
2008	60	579	16,935	17,573
2009	63	602	17,489	18,154
2010	61	586	17,141	17,788
2011	63	596	17,540	18,199
2012	61	579	16,880	17,520
2013	63	600	17,320	17,983
2014	63	606	17,398	18,067
Min	60	542	16,880	17,520
Max	128	618	17,604	18,274
Average	73	589	17,353	18,016

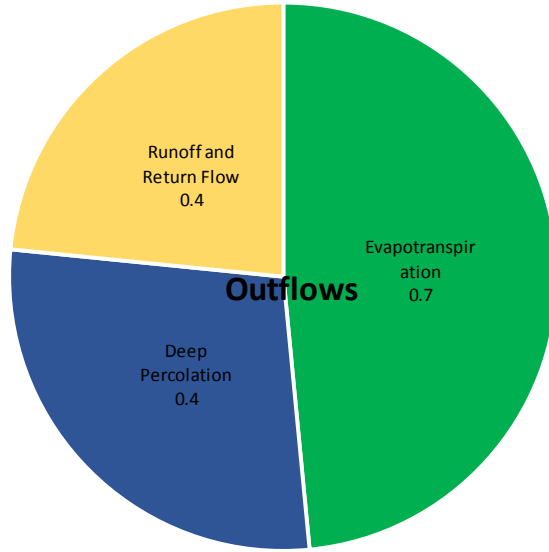
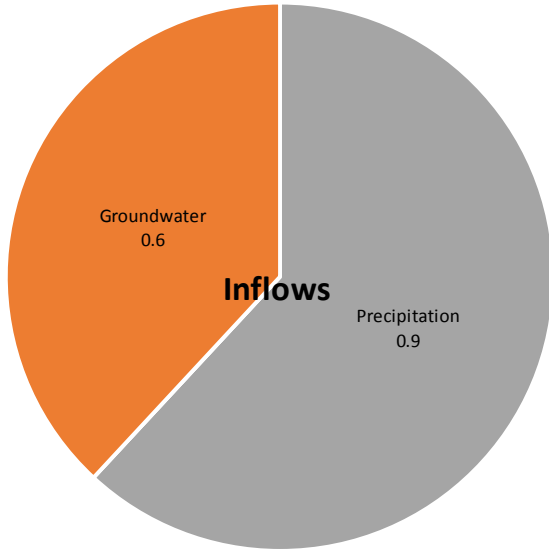
Water Budgets

Pentz Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

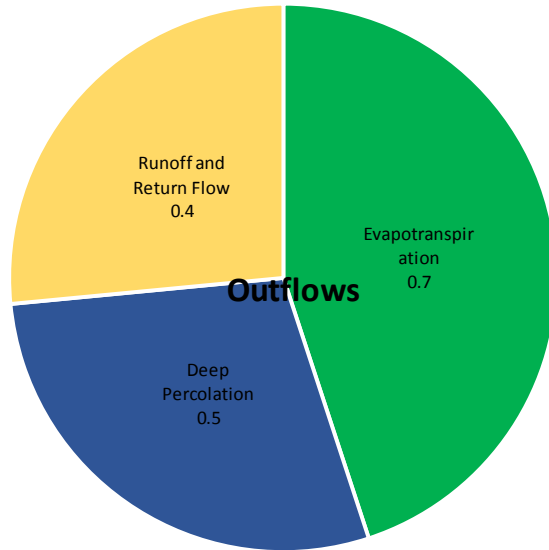
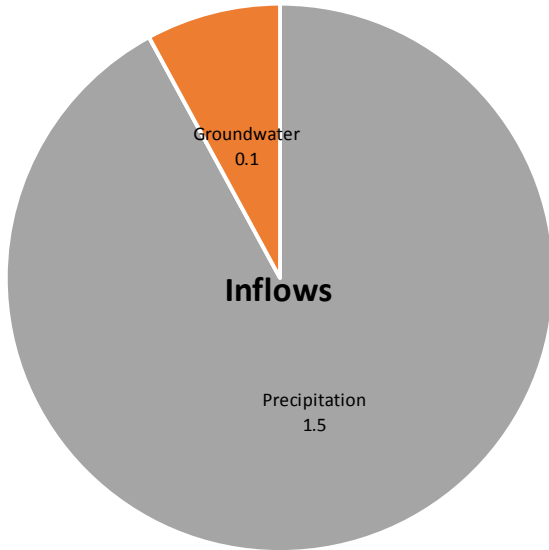




Pentz Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

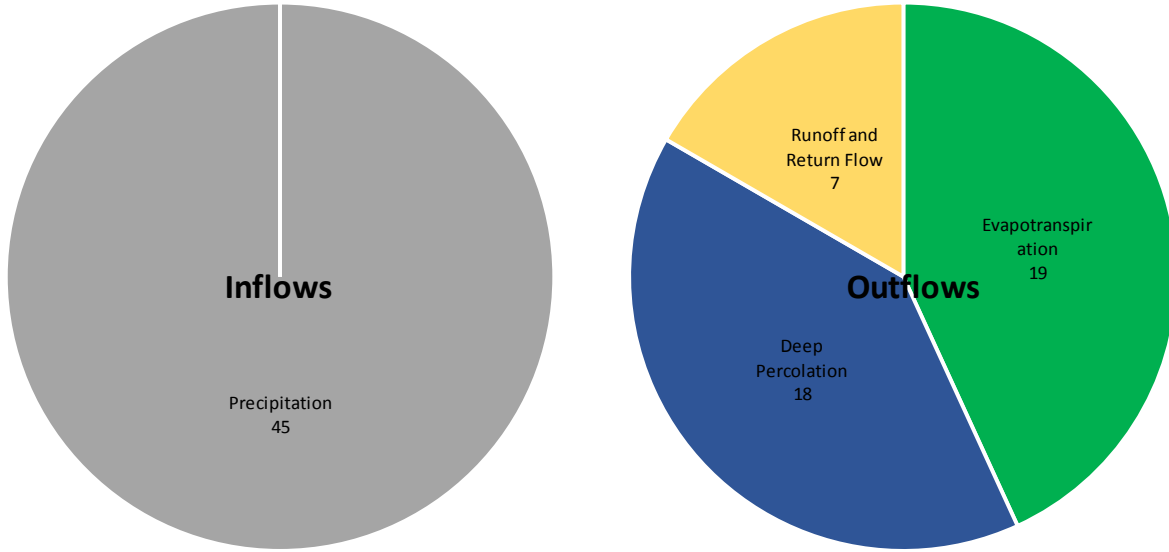


Pentz Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

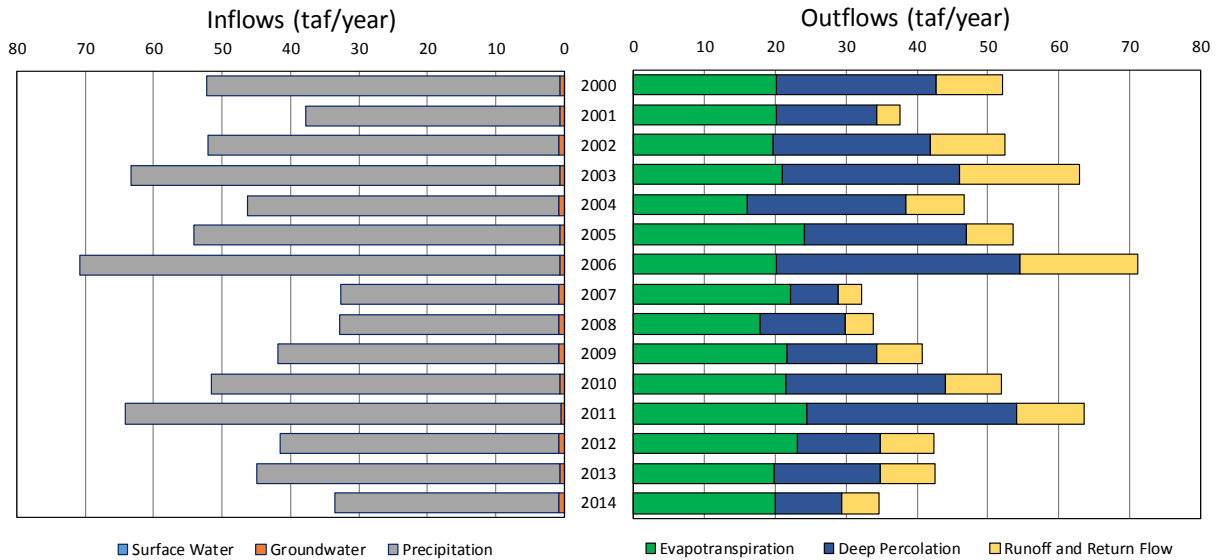




Pentz Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Pentz Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

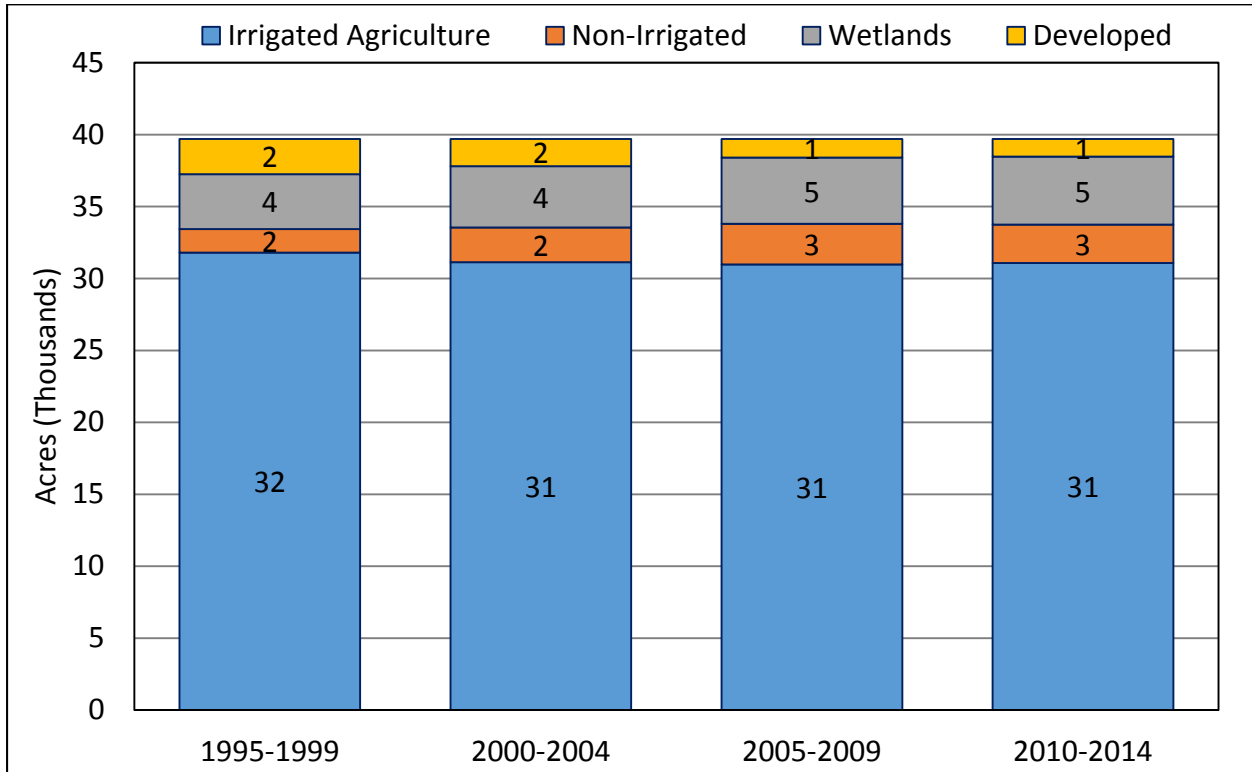
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	52	0	1	20	22	9	0
2001 (D)	37	0	1	20	14	3	0
2002 (D)	51	0	1	20	22	11	0
2003 (AN)	63	0	1	21	25	17	0
2004 (BN)	46	0	1	16	22	8	0
2005 (AN)	53	0	1	24	23	6	1
2006 (W)	70	0	1	20	34	17	-1
2007 (D)	32	0	1	22	7	3	1
2008 (C)	32	0	1	18	12	4	0
2009 (D)	41	0	1	22	13	7	0
2010 (BN)	51	0	1	21	23	8	0
2011 (W)	64	0	1	24	30	10	0
2012 (BN)	41	0	1	23	12	8	0
2013 (D)	44	0	1	20	15	8	2
2014 (C)	33	0	1	20	9	5	-1
Minimum	32	0	1	16	7	3	-1
Maximum	70	0	1	24	34	17	2
Average	47	0	1	21	19	8	0
Averages by Hydrologic Year Type							
Wet (W)	67	0	1	22	32	13	0
Above Normal (AN)	56	0	1	22	24	11	0
Below Normal (BN)	46	0	1	20	19	8	0
Dry (D)	41	0	1	21	14	6	1
Critical (C)	32	0	1	19	11	5	-1



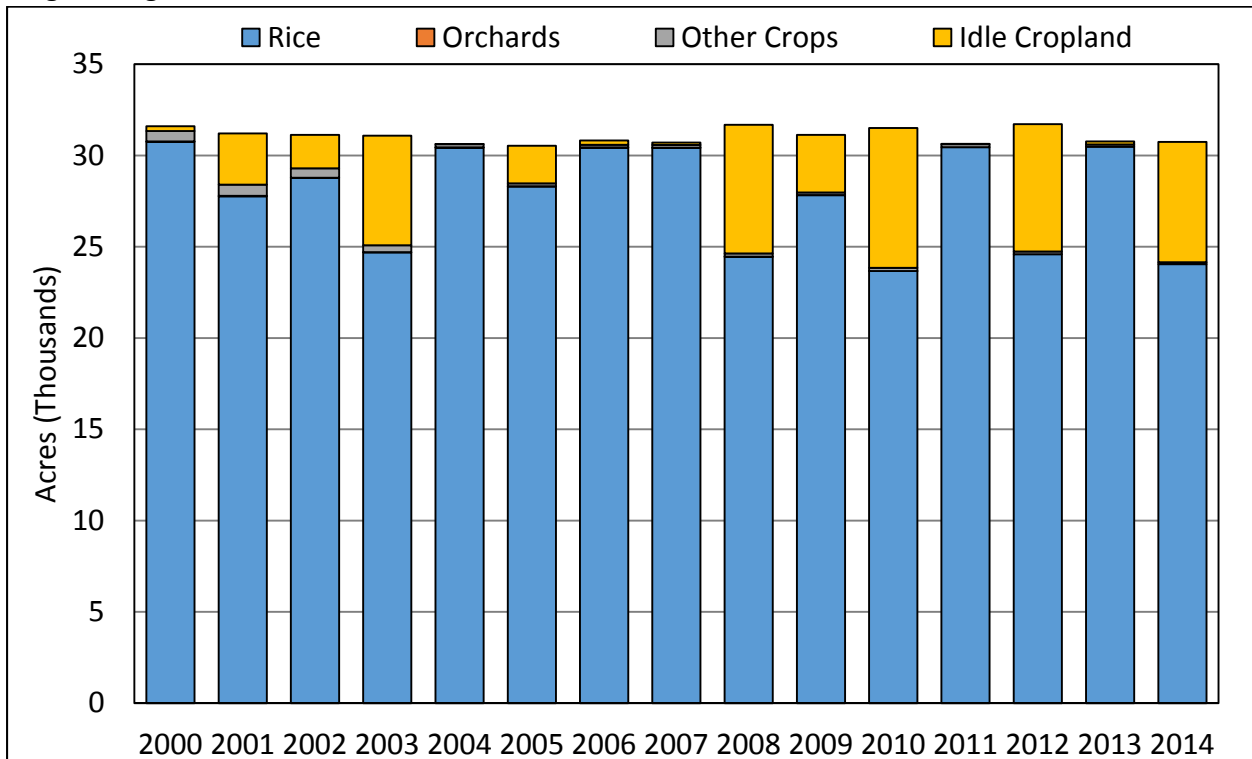
C.3.7. Richvale Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	30,749	0	0	16	0	266	188	119	262	31,338	31,600
2001	27,764	0	0	21	0	290	202	125	2,803	28,403	31,206
2002	28,767	0	0	16	0	206	185	118	1,839	29,292	31,132
2003	24,692	0	0	15	0	156	137	84	6,004	25,084	31,088
2004	30,426	0	0	16	0	27	120	29	2	30,617	30,619
2005	28,305	0	0	10	0	14	119	21	2,059	28,470	30,529
2006	30,431	0	0	11	0	28	115	3	229	30,589	30,818
2007	30,415	0	0	9	0	30	115	3	133	30,573	30,706
2008	24,454	0	0	6	0	27	104	46	7,046	24,637	31,683
2009	27,825	0	0	4	0	26	109	9	3,159	27,973	31,132
2010	23,673	0	0	2	0	23	106	44	7,658	23,847	31,505
2011	30,451	0	0	0	0	27	117	29	11	30,623	30,634
2012	24,590	0	0	0	0	40	104	4	6,979	24,739	31,717
2013	30,480	0	0	0	0	23	101	0	163	30,603	30,766
2014	24,043	0	0	0	0	3	106	0	6,589	24,152	30,741
Min	23,673	0	0	0	0	3	101	0	2	23,847	30,529
Max	30,749	0	0	21	0	290	202	125	7,658	31,338	31,717
Average	27,804	0	0	8	0	79	129	42	2,996	28,063	31,058

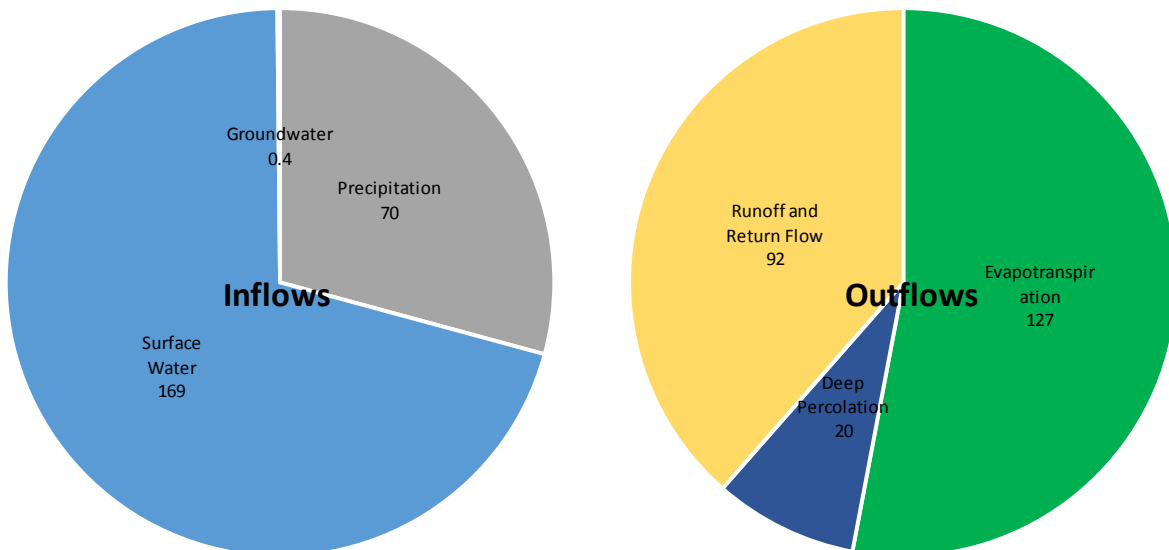


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	4,076	2,322	1,701	8,098
2001	4,104	2,156	2,232	8,492
2002	4,123	1,920	2,524	8,567
2003	4,339	1,636	2,635	8,610
2004	4,666	1,414	3,000	9,079
2005	4,595	1,443	3,131	9,169
2006	4,676	1,330	2,874	8,880
2007	4,741	1,353	2,899	8,992
2008	4,348	1,139	2,528	8,016
2009	4,677	1,202	2,688	8,566
2010	4,514	1,139	2,541	8,193
2011	4,896	1,318	2,850	9,064
2012	4,458	1,083	2,440	7,981
2013	4,856	1,297	2,779	8,932
2014	4,875	1,306	2,777	8,958
Min	4,076	1,083	1,701	7,981
Max	4,896	2,322	3,131	9,169
Average	4,530	1,470	2,640	8,640

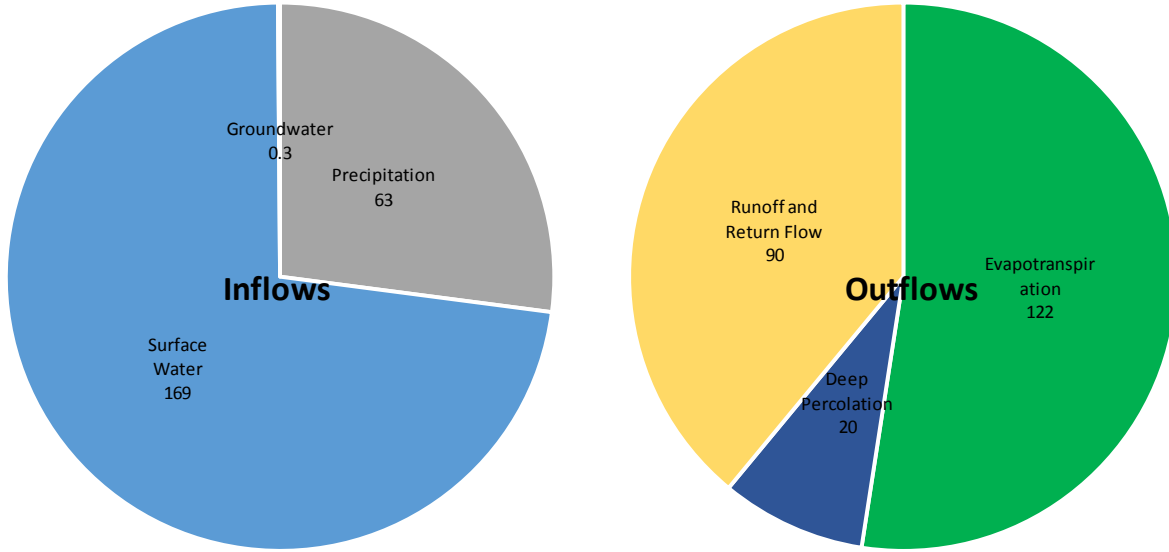
Water Budgets

Richvale Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

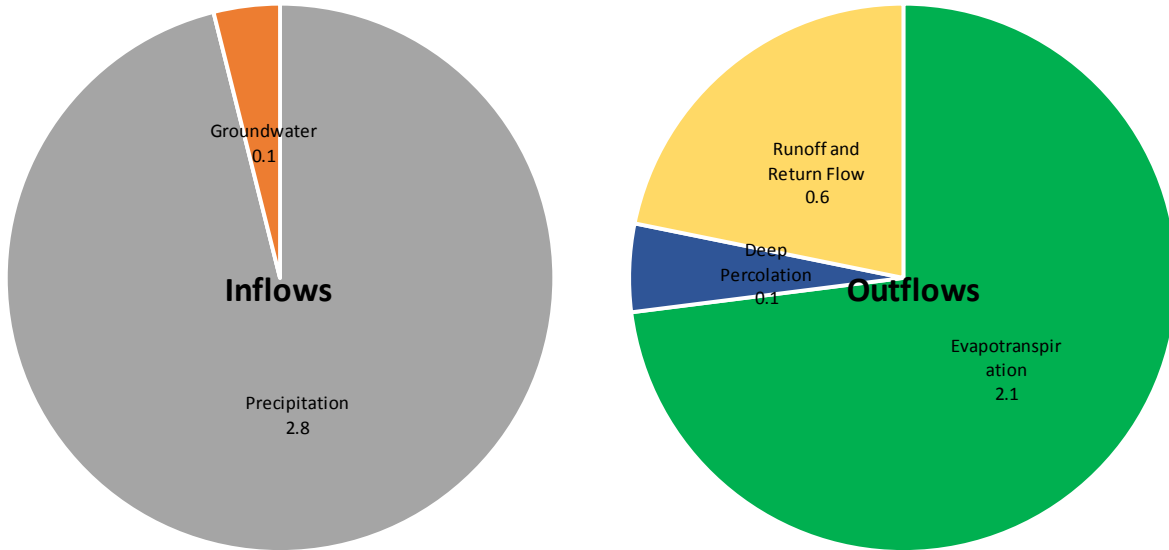




Richvale Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

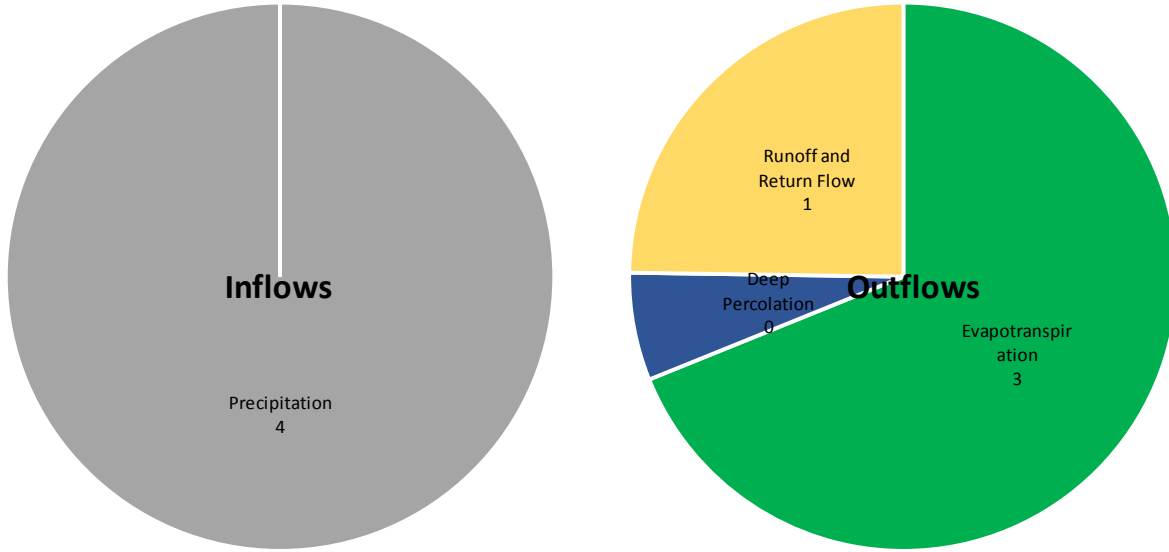


Richvale Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

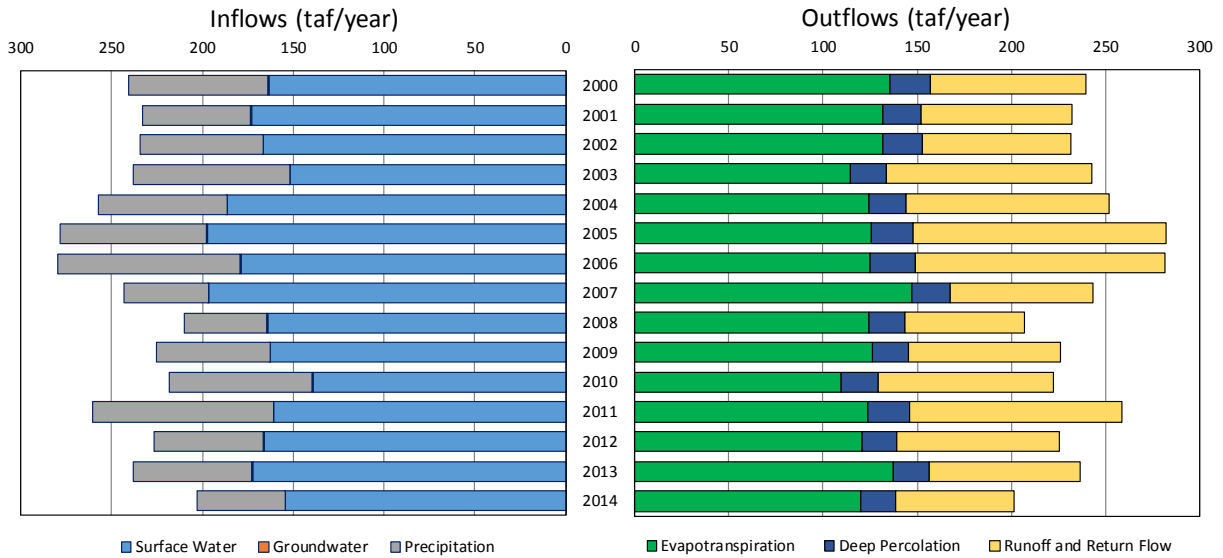




Richvale Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Richvale Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

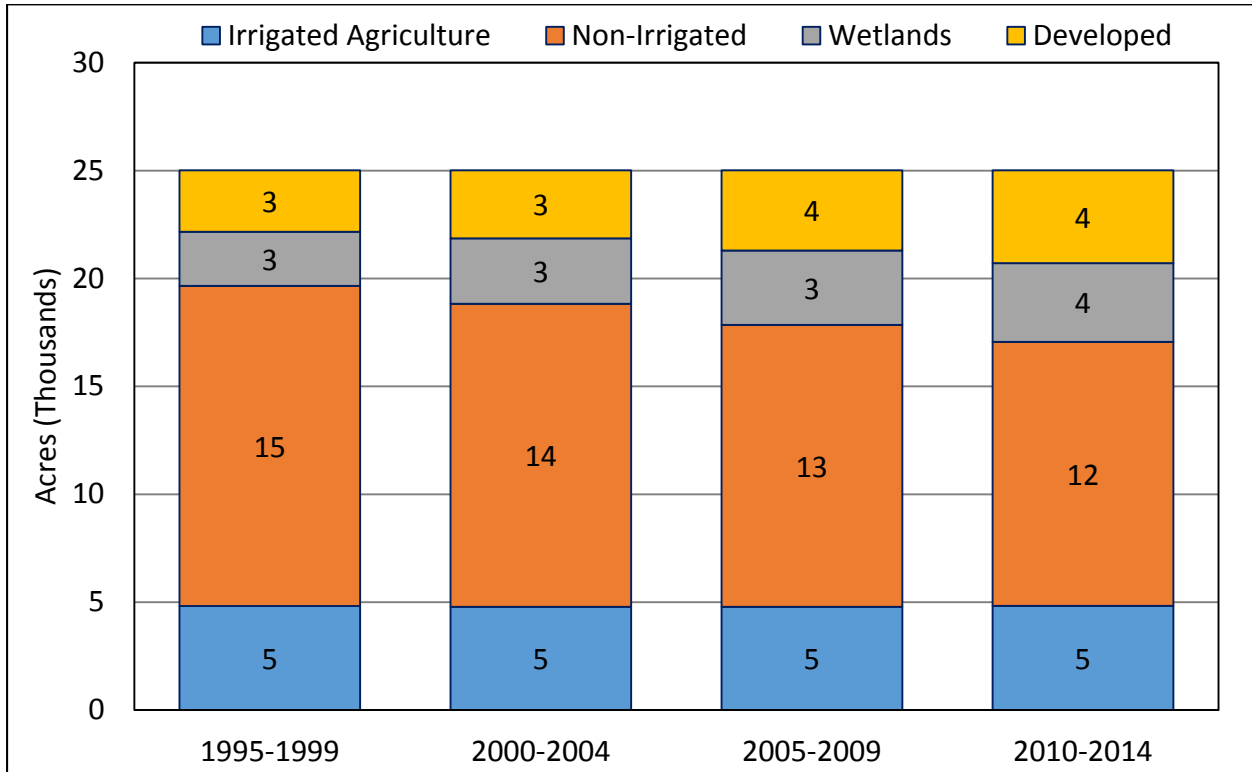
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	77	163	0	136	21	83	0
2001 (D)	60	173	0	132	20	80	-1
2002 (D)	67	166	0	132	20	79	-2
2003 (AN)	86	152	0	115	19	109	5
2004 (BN)	71	186	0	125	20	107	-6
2005 (AN)	81	197	0	126	23	134	4
2006 (W)	100	179	0	125	24	132	2
2007 (D)	46	196	0	147	21	75	0
2008 (C)	45	164	0	125	19	63	-3
2009 (D)	63	162	0	126	19	81	1
2010 (BN)	79	139	0	110	20	93	4
2011 (W)	99	161	0	124	22	113	-1
2012 (BN)	60	166	0	121	18	86	-1
2013 (D)	65	172	0	137	19	80	-1
2014 (C)	48	154	0	120	18	63	-1
Minimum	45	139	0	110	18	63	-6
Maximum	100	197	0	147	24	134	5
Average	70	169	0	127	20	92	0
Averages by Hydrologic Year Type							
Wet (W)	100	170	0	124	23	123	0
Above Normal (AN)	81	171	0	125	21	109	3
Below Normal (BN)	70	164	0	118	19	96	-1
Dry (D)	60	174	0	135	20	79	-1
Critical (C)	47	159	0	122	18	63	-2



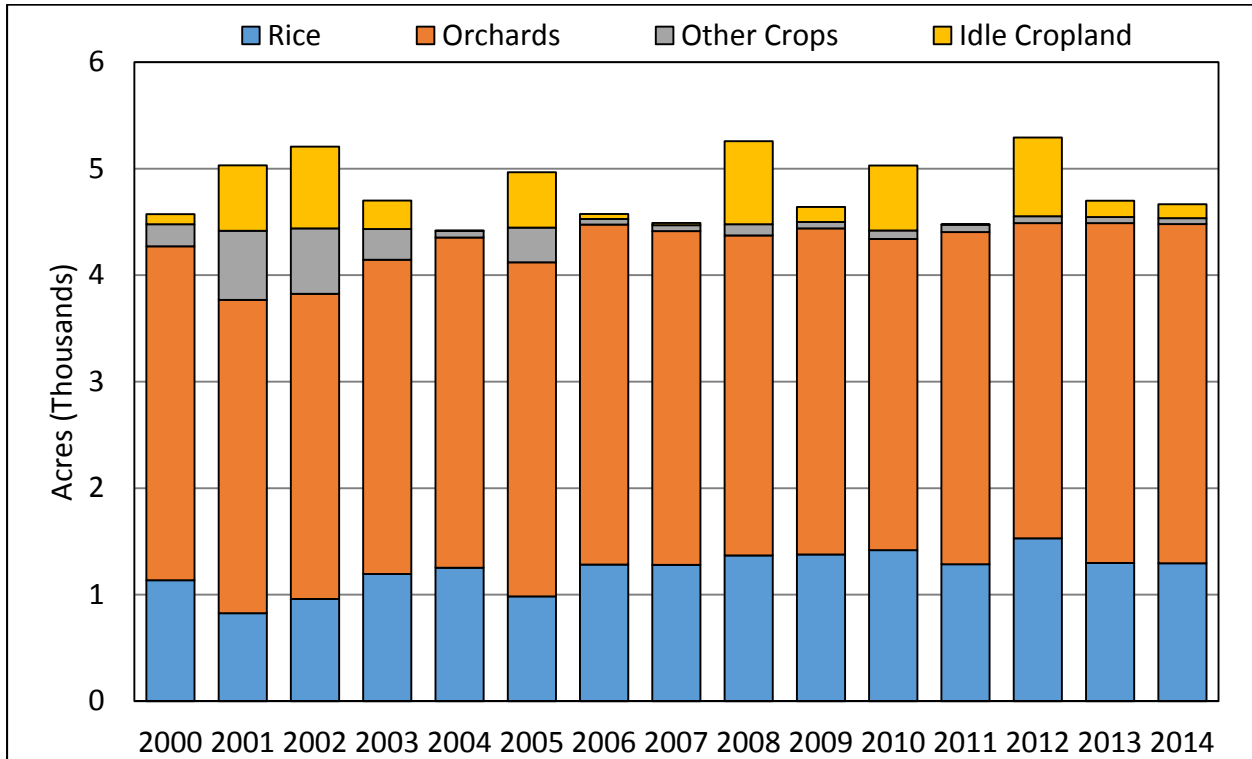
C.3.8. Thermalito Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	1,136	50	2,558	168	359	40	91	76	95	4,478	4,573
2001	827	39	2,399	155	349	37	80	532	615	4,417	5,031
2002	960	25	2,366	103	371	26	78	511	768	4,440	5,208
2003	1,195	22	2,525	101	301	24	62	203	268	4,433	4,701
2004	1,254	14	2,739	96	251	0	52	11	1	4,417	4,418
2005	984	13	2,813	58	253	0	50	277	520	4,447	4,967
2006	1,284	13	2,854	81	243	0	52	2	47	4,529	4,575
2007	1,280	15	2,801	86	232	1	54	2	21	4,470	4,491
2008	1,369	13	2,654	76	261	1	53	52	779	4,479	5,258
2009	1,378	14	2,729	76	242	1	55	4	142	4,499	4,641
2010	1,418	14	2,578	70	260	1	55	23	610	4,419	5,029
2011	1,285	16	2,809	62	234	1	58	11	2	4,475	4,477
2012	1,530	13	2,660	57	229	2	56	7	739	4,554	5,293
2013	1,297	14	2,918	44	216	1	48	7	154	4,545	4,699
2014	1,296	14	2,916	36	218	0	51	6	130	4,536	4,666
Min	827	13	2,366	36	216	0	48	2	1	4,417	4,418
Max	1,530	50	2,918	168	371	40	91	532	779	4,554	5,293
Average	1,233	19	2,688	85	268	9	59	115	326	4,476	4,802

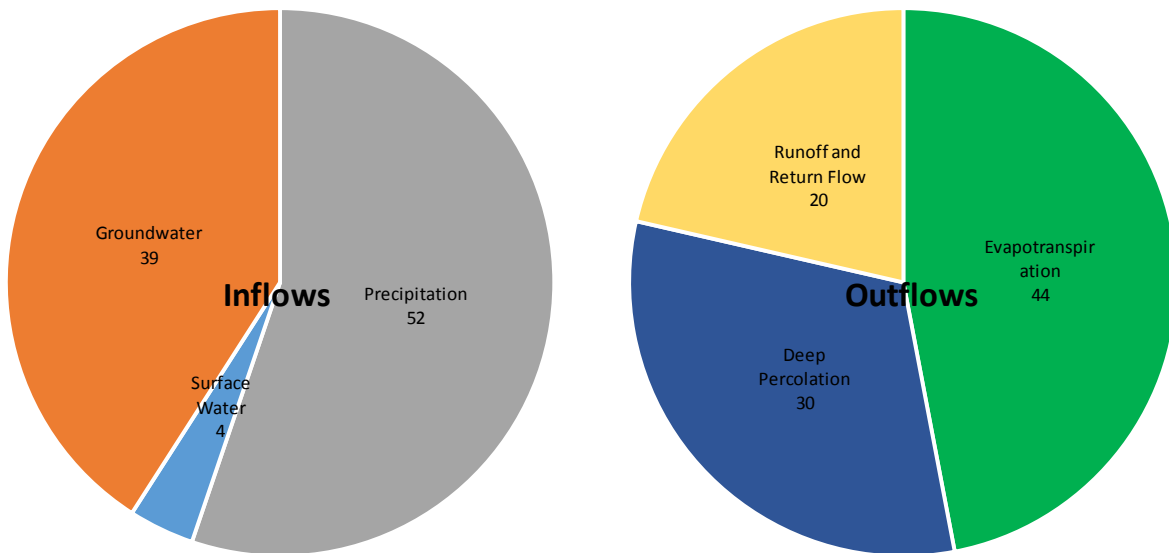


Other Land Use

Year	Wetlands ⁴	Developed	Non-Irrigated	Total
2000	2,854	3,089	14,498	20,440
2001	2,831	3,030	14,121	19,982
2002	2,905	3,046	13,855	19,805
2003	3,211	3,247	13,854	20,313
2004	3,361	3,363	13,872	20,596
2005	3,309	3,367	13,370	20,046
2006	3,451	3,611	13,376	20,438
2007	3,508	3,789	13,225	20,522
2008	3,405	3,779	12,571	19,756
2009	3,585	4,029	12,759	20,372
2010	3,548	4,117	12,319	19,984
2011	3,714	4,405	12,417	20,536
2012	3,549	4,220	11,952	19,720
2013	3,698	4,381	12,235	20,314
2014	3,710	4,396	12,241	20,347
Min	2,831	3,030	11,952	19,720
Max	3,714	4,405	14,498	20,596
Average	3,376	3,725	13,111	20,211

Water Budgets

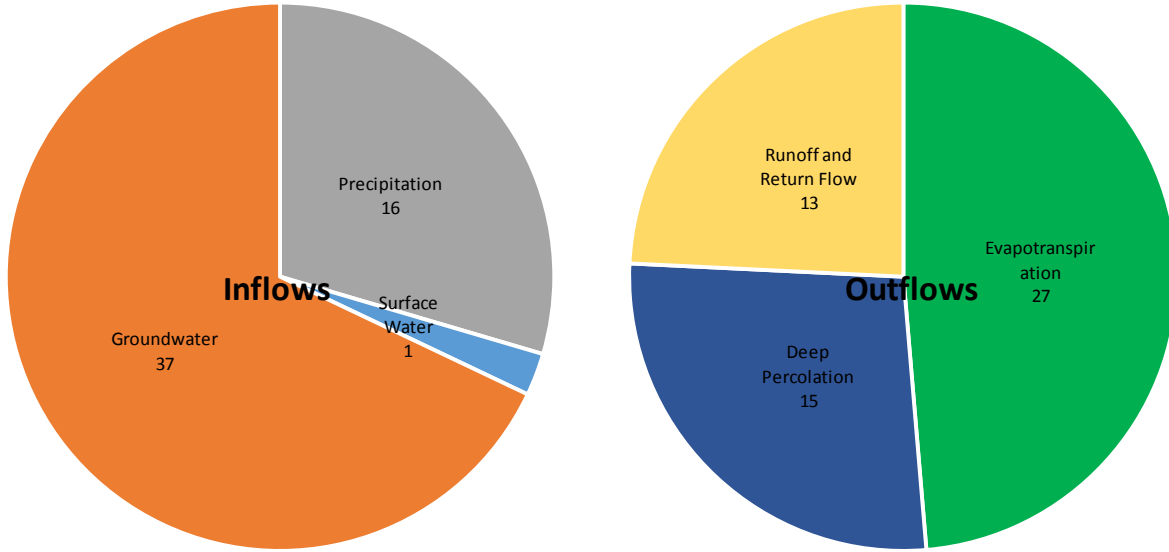
Thermalito Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)



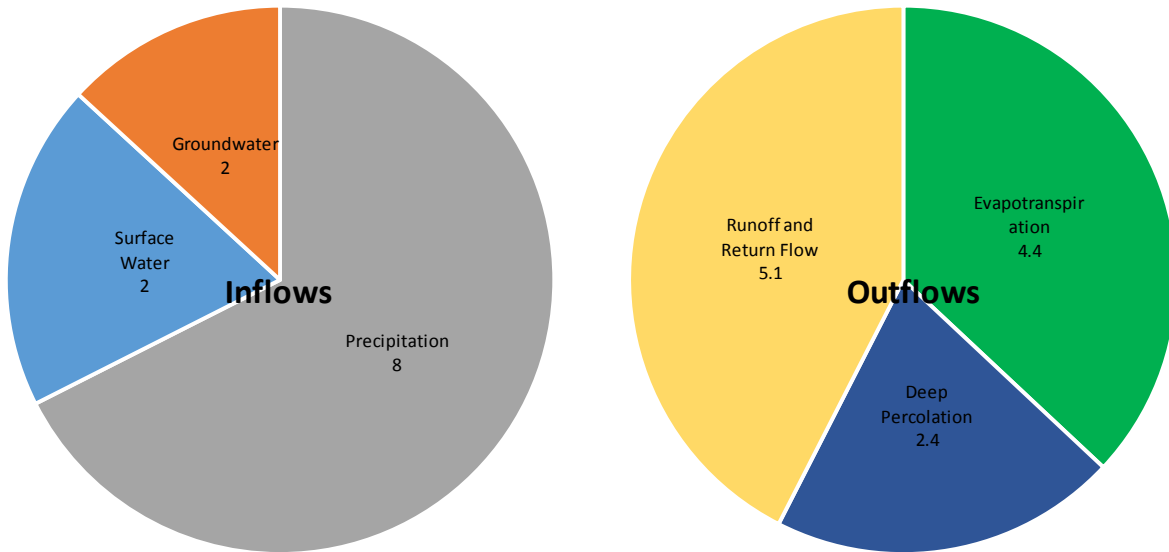
⁴ Within the East Butte Inventory Unit, Thermalito Afterbay is classified as wetlands for purposes of this report and represents approximately 3,000 acres.



Thermalito Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

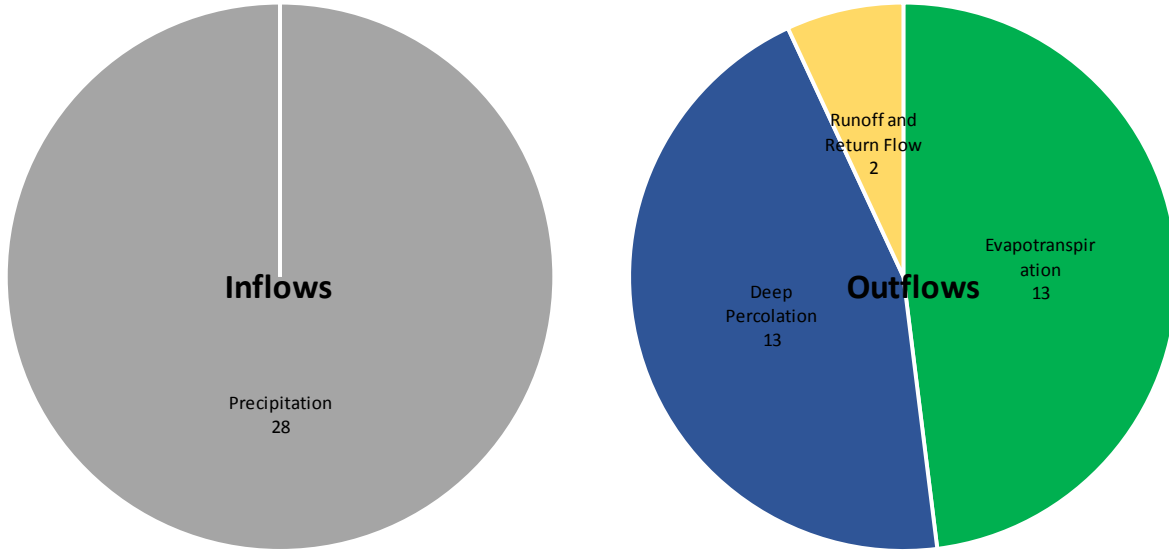


Thermalito Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

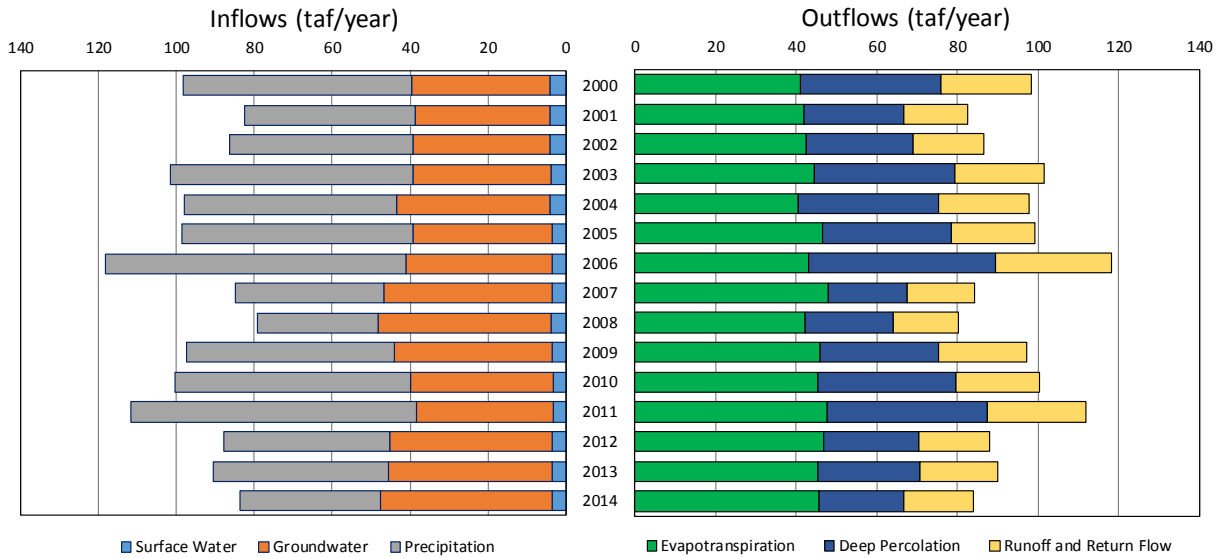




Thermalito Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Thermalito Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

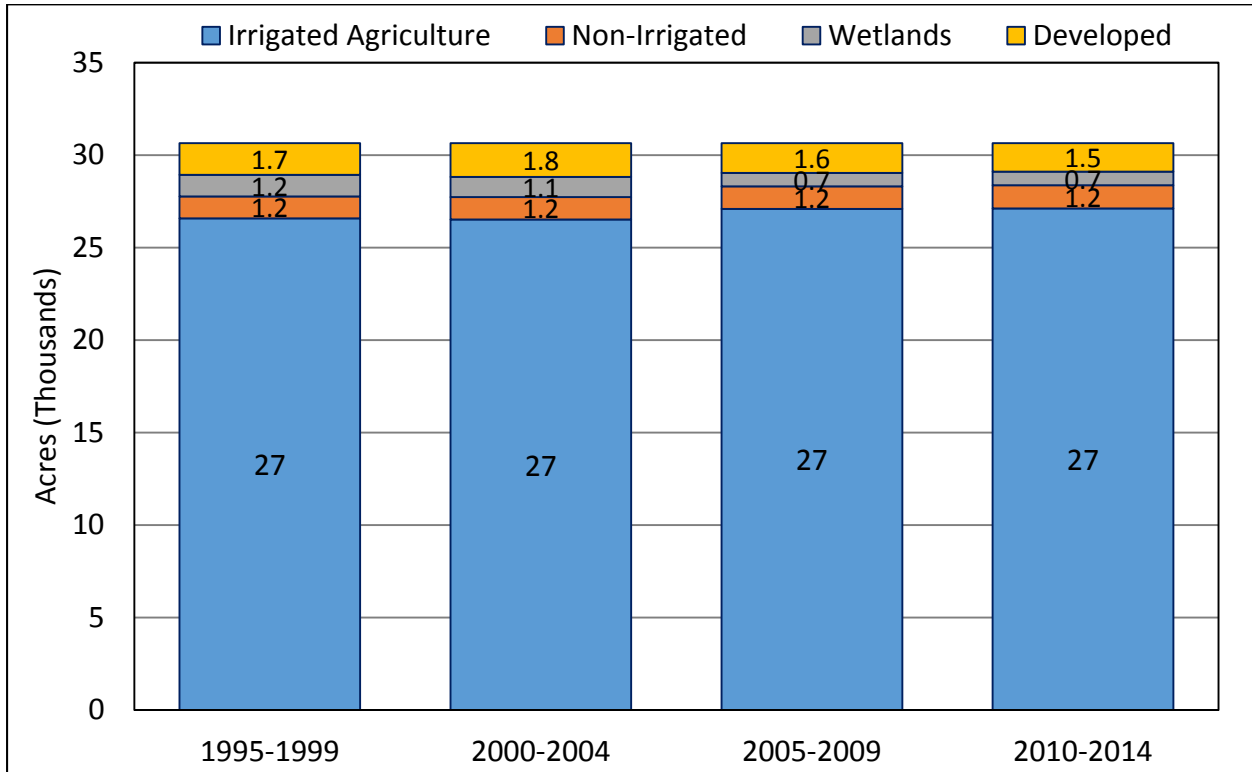
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	59	4	36	41	35	22	0
2001 (D)	44	4	35	42	25	16	0
2002 (D)	47	4	35	42	27	17	0
2003 (AN)	62	4	35	45	35	22	0
2004 (BN)	54	4	39	40	35	23	0
2005 (AN)	59	4	36	46	32	21	1
2006 (W)	77	3	37	43	46	29	0
2007 (D)	38	3	43	48	19	17	2
2008 (C)	31	4	44	42	22	16	-1
2009 (D)	53	4	41	46	29	22	1
2010 (BN)	61	3	37	45	34	21	0
2011 (W)	73	3	35	48	40	25	0
2012 (BN)	43	4	42	47	23	18	0
2013 (D)	45	4	42	45	25	19	1
2014 (C)	36	3	44	46	21	17	0
Minimum	31	3	35	40	19	16	-1
Maximum	77	4	44	48	46	29	2
Average	52	4	39	44	30	20	0
Averages by Hydrologic Year Type							
Wet (W)	75	3	36	45	43	27	0
Above Normal (AN)	60	4	36	44	34	22	0
Below Normal (BN)	53	4	39	44	31	20	0
Dry (D)	46	4	39	45	25	18	1
Critical (C)	34	4	44	44	21	17	-1



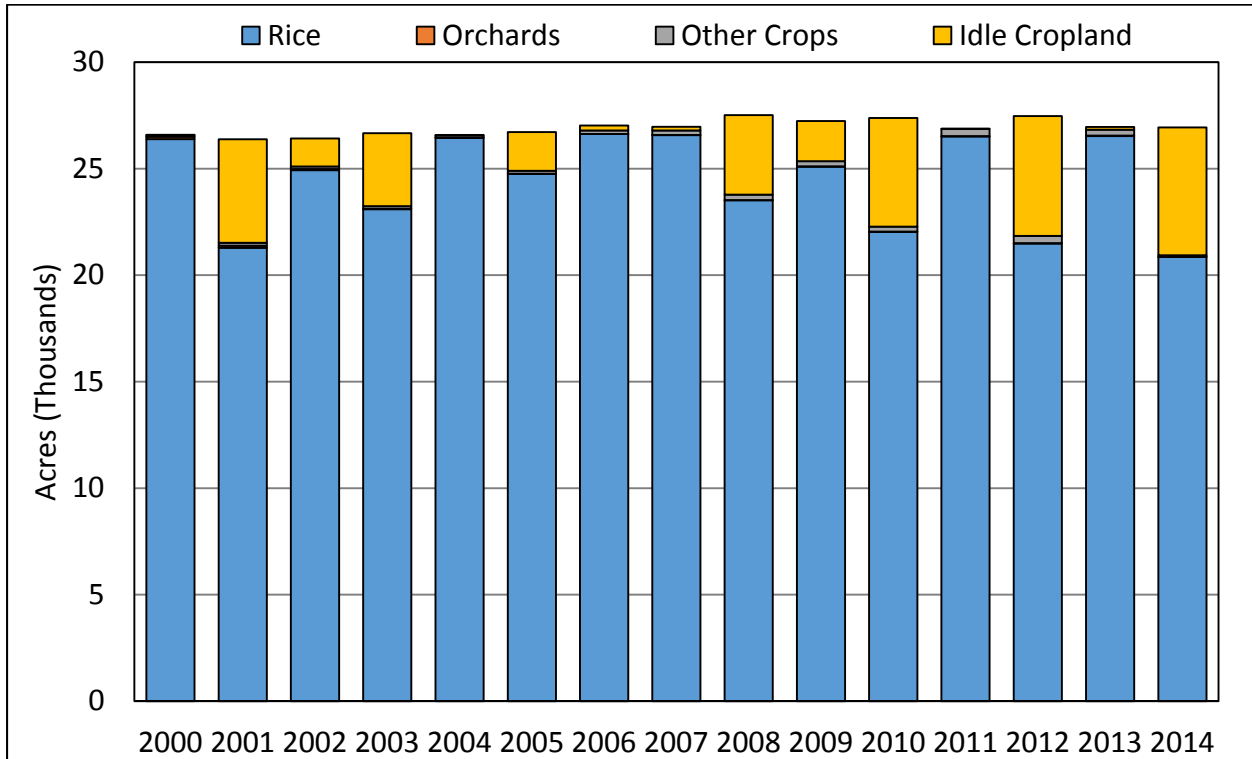
C.3.9. Western Canal Subinventory Unit (East Butte Portion)

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	26,390	0	0	111	0	11	55	13	10	26,580	26,590
2001	21,287	0	0	100	0	13	68	49	4,865	21,518	26,382
2002	24,932	0	0	52	0	10	77	35	1,313	25,105	26,417
2003	23,098	0	0	24	0	9	73	34	3,431	23,238	26,670
2004	26,459	0	0	2	0	2	95	15	6	26,571	26,577
2005	24,763	0	3	2	0	33	67	33	1,818	24,901	26,719
2006	26,626	0	4	2	0	93	69	2	234	26,796	27,030
2007	26,578	0	6	2	0	144	60	2	173	26,791	26,964
2008	23,519	0	7	2	0	176	41	34	3,736	23,779	27,514
2009	25,104	0	9	2	0	199	37	4	1,882	25,355	27,237
2010	22,035	0	10	2	0	180	28	21	5,104	22,276	27,380
2011	26,518	0	14	2	0	295	23	15	11	26,867	26,878
2012	21,490	0	12	2	0	307	19	14	5,625	21,844	27,469
2013	26,533	0	15	2	0	245	20	14	129	26,830	26,959
2014	20,850	0	16	1	0	31	22	16	6,001	20,935	26,936
Min	20,850	0	0	1	0	2	19	2	6	20,935	26,382
Max	26,626	0	16	111	0	307	95	49	6,001	26,867	27,514
Average	24,412	0	6	20	0	117	50	20	2,289	24,626	26,915

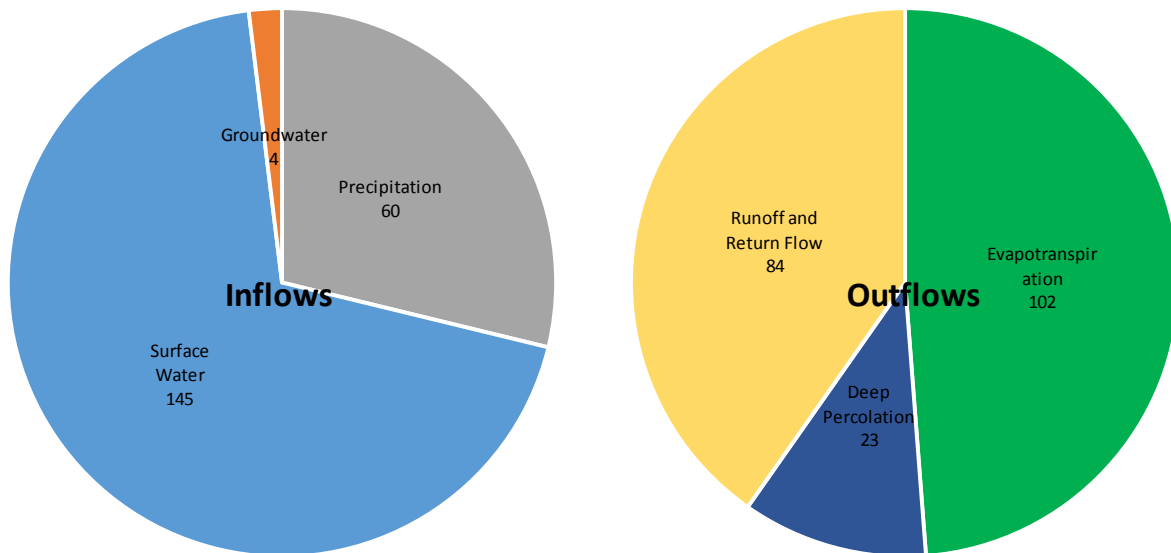


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	1,196	1,755	1,108	4,059
2001	1,206	1,805	1,255	4,266
2002	1,161	1,804	1,266	4,231
2003	1,039	1,753	1,186	3,979
2004	835	1,992	1,245	4,071
2005	801	1,817	1,312	3,930
2006	735	1,659	1,225	3,618
2007	753	1,673	1,258	3,684
2008	639	1,397	1,098	3,134
2009	702	1,497	1,212	3,411
2010	678	1,415	1,175	3,268
2011	794	1,643	1,334	3,770
2012	668	1,383	1,129	3,179
2013	775	1,617	1,297	3,689
2014	779	1,634	1,300	3,713
Min	639	1,383	1,098	3,134
Max	1,206	1,992	1,334	4,266
Average	851	1,656	1,227	3,733

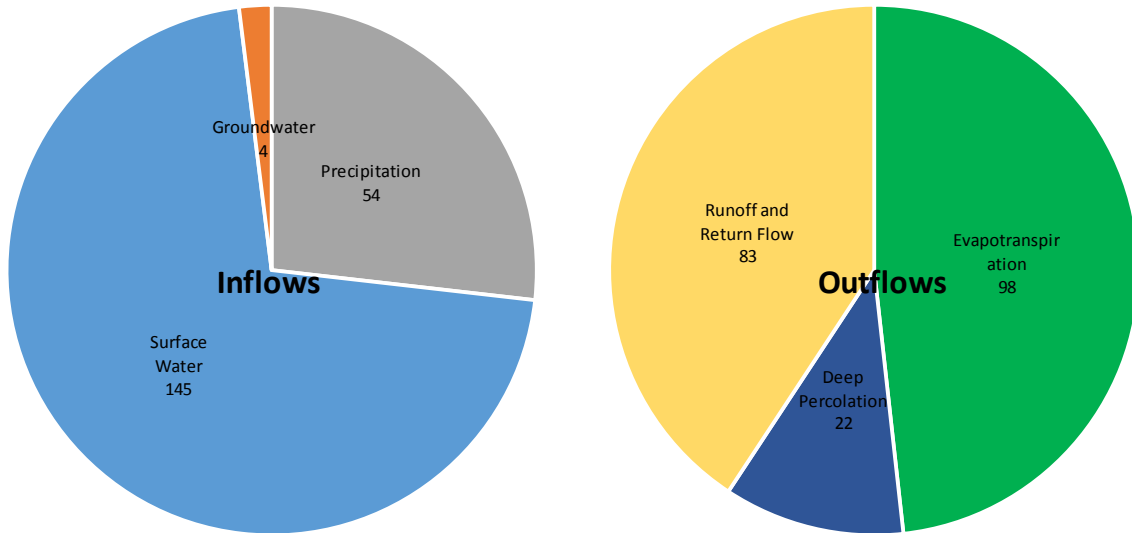
Water Budgets

Western Canal (East Butte Portion) Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

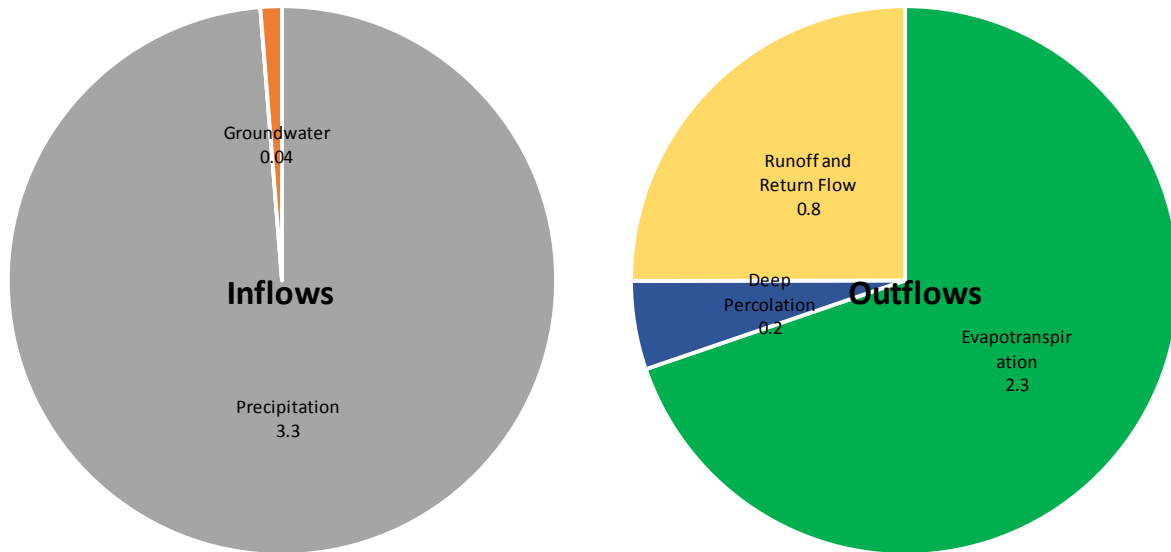




Western Canal (East Butte Portion) Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

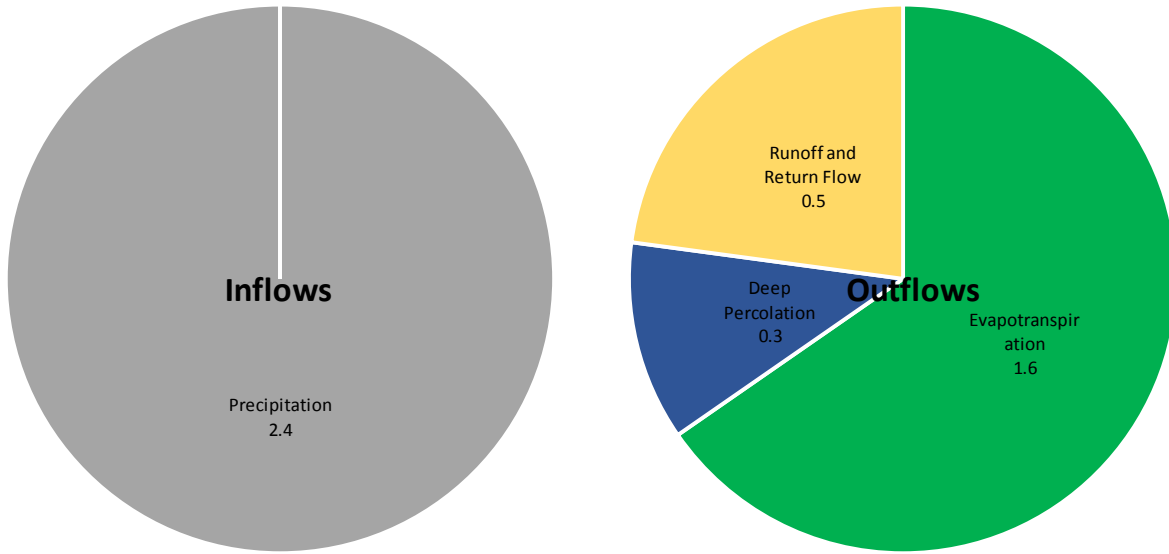


Western Canal (East Butte Portion) Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

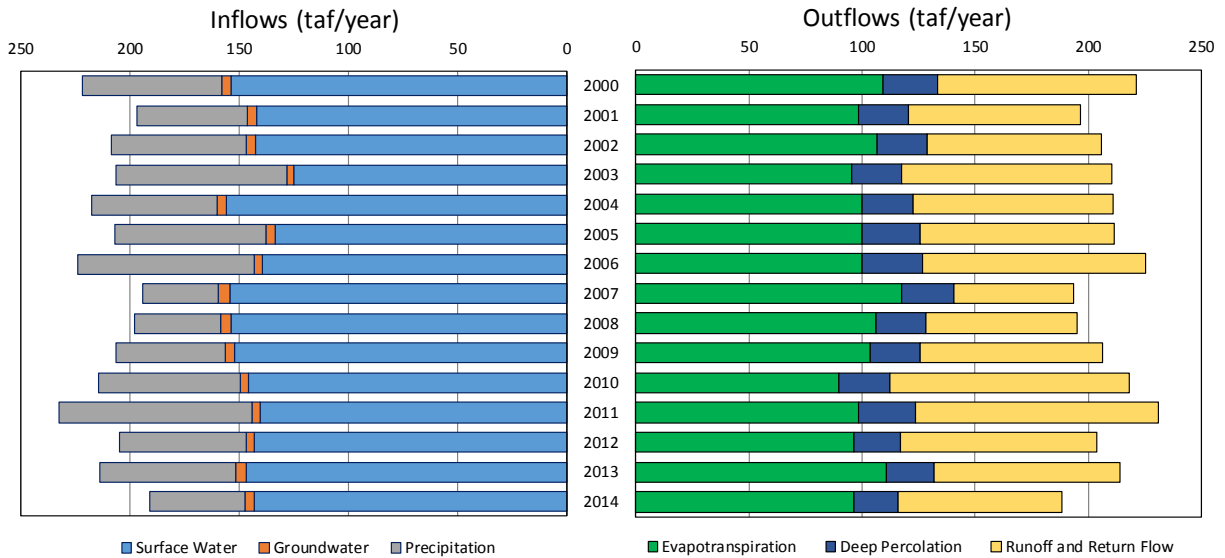




Western Canal (East Butte Portion) Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Western Canal (East Butte Portion) Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	64	154	4	109	24	88	0
2001 (D)	51	142	4	98	22	76	0
2002 (D)	62	142	4	107	22	77	-2
2003 (AN)	78	125	3	95	22	93	4
2004 (BN)	57	156	4	100	23	88	-6
2005 (AN)	69	134	4	100	25	86	5
2006 (W)	81	139	4	100	27	99	2
2007 (D)	35	154	5	117	23	53	-1
2008 (C)	39	154	5	106	22	67	-3
2009 (D)	50	152	4	104	22	81	0
2010 (BN)	65	146	3	90	22	106	4
2011 (W)	88	140	3	98	26	107	-1
2012 (BN)	58	143	4	97	20	87	-1
2013 (D)	62	147	5	111	22	82	0
2014 (C)	44	143	4	96	20	72	-3
Minimum	35	125	3	90	20	53	-6
Maximum	88	156	5	117	27	107	5
Average	60	145	4	102	23	84	0
Averages by Hydrologic Year Type							
Wet (W)	85	140	4	99	26	103	0
Above Normal (AN)	70	137	4	102	24	89	3
Below Normal (BN)	60	148	4	96	22	94	-1
Dry (D)	52	148	4	107	22	74	-1
Critical (C)	41	149	4	101	21	69	-3

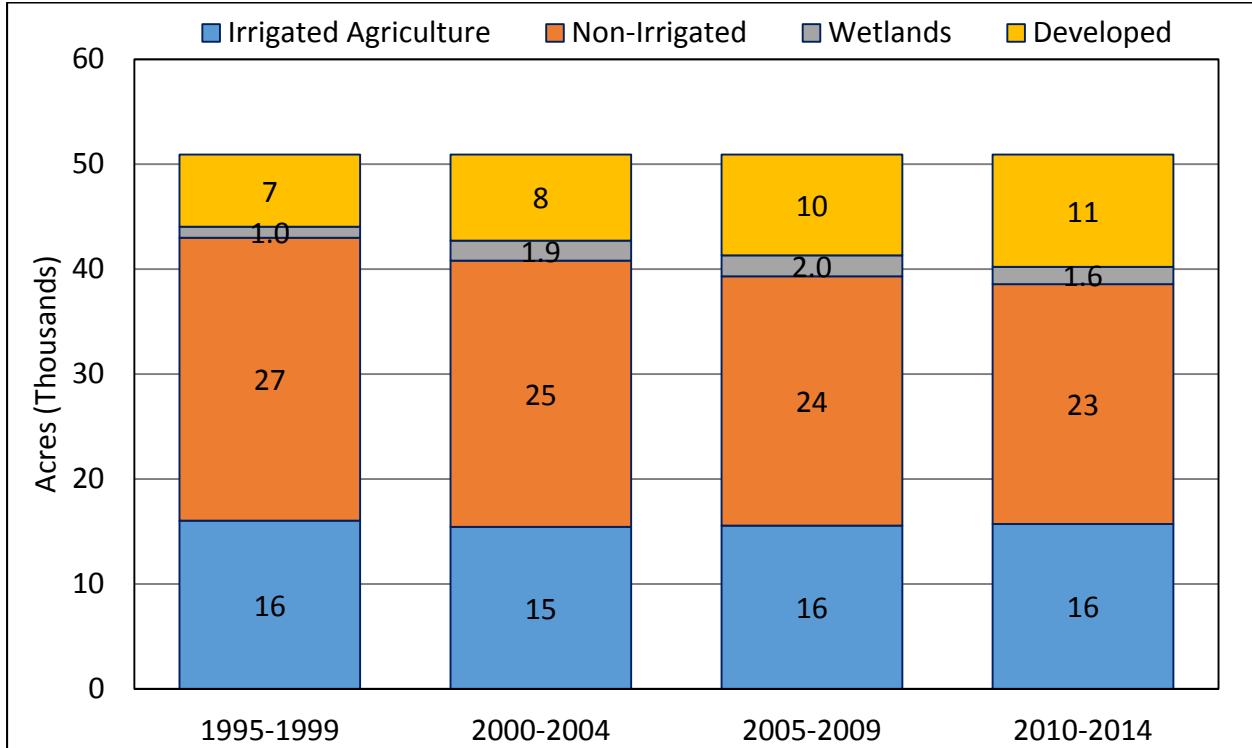


C.4. North Yuba Inventory Unit

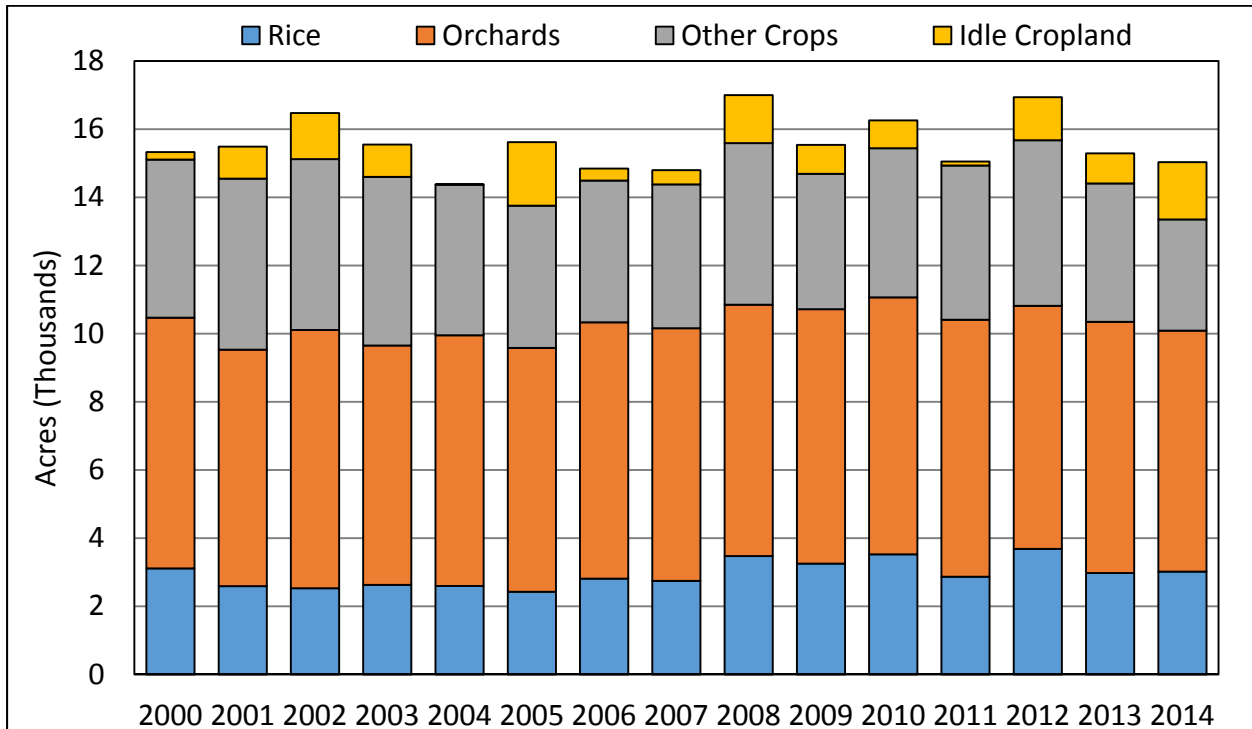
C.4.1. North Yuba Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	3,112	64	2,438	1,851	3,004	961	3,510	171	219	15,111	15,331
2001	2,595	56	2,388	1,785	2,707	1,075	3,619	325	939	14,551	15,490
2002	2,534	54	2,415	1,553	3,553	990	3,725	301	1,351	15,125	16,475
2003	2,629	62	2,560	1,495	2,907	1,074	3,573	303	946	14,603	15,549
2004	2,596	74	2,876	1,540	2,868	517	3,789	117	5	14,376	14,381
2005	2,430	77	2,698	1,119	3,258	399	3,354	422	1,862	13,758	15,620
2006	2,813	74	2,930	1,590	2,930	720	3,393	47	352	14,496	14,848
2007	2,750	77	2,800	1,643	2,890	861	3,252	109	420	14,381	14,801
2008	3,477	72	2,435	1,448	3,419	1,089	2,929	723	1,412	15,592	17,003
2009	3,256	82	2,687	1,648	3,049	910	2,922	138	848	14,691	15,540
2010	3,525	85	2,519	1,619	3,319	863	2,755	756	818	15,440	16,258
2011	2,870	90	2,717	1,594	3,141	1,086	2,756	682	116	14,936	15,051
2012	3,687	87	2,610	1,478	2,955	1,614	2,638	609	1,264	15,677	16,941
2013	2,976	88	2,952	1,407	2,925	927	2,454	680	885	14,407	15,293
2014	3,022	93	3,006	1,151	2,819	117	2,595	549	1,685	13,352	15,036
Min	2,430	54	2,388	1,119	2,707	117	2,454	47	5	13,352	14,381
Max	3,687	93	3,006	1,851	3,553	1,614	3,789	756	1,862	15,677	17,003
Average	2,951	76	2,669	1,528	3,050	880	3,151	396	875	14,700	15,574

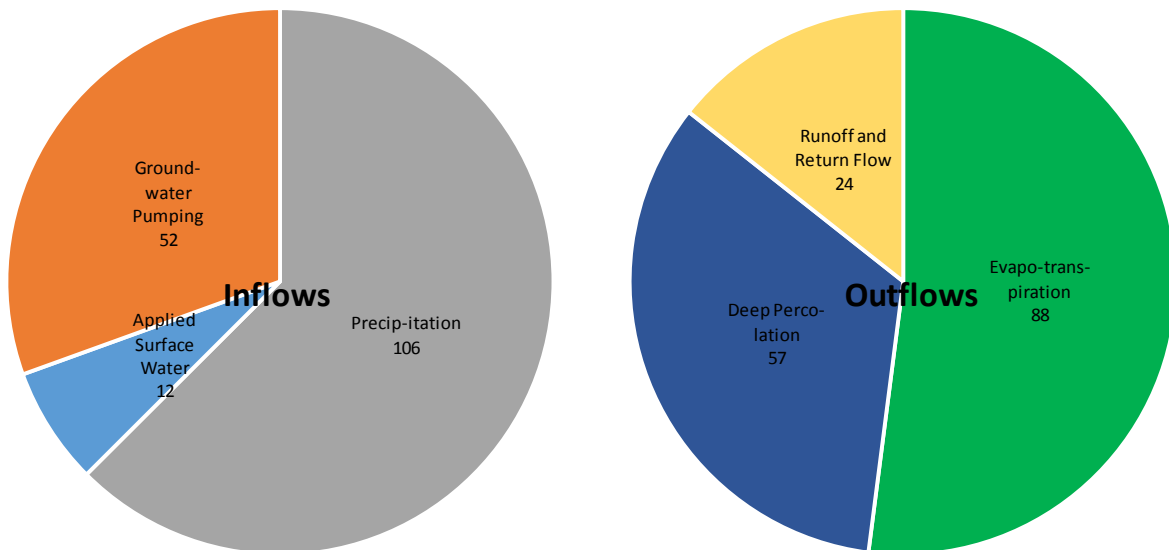


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	1,542	7,680	26,367	35,589
2001	1,700	7,775	25,956	35,431
2002	1,842	7,887	24,715	34,445
2003	2,076	8,562	24,733	35,371
2004	2,359	9,120	25,060	36,539
2005	2,168	8,957	24,176	35,300
2006	2,144	9,557	24,371	36,072
2007	2,059	9,838	24,222	36,119
2008	1,758	9,518	22,641	33,917
2009	1,837	10,150	23,393	35,380
2010	1,663	10,234	22,764	34,662
2011	1,677	10,892	23,299	35,869
2012	1,551	10,333	22,095	33,979
2013	1,670	10,958	23,000	35,627
2014	1,685	11,089	23,110	35,884
Min	1,542	7,680	22,095	33,917
Max	2,359	11,089	26,367	36,539
Average	1,849	9,503	23,993	35,346

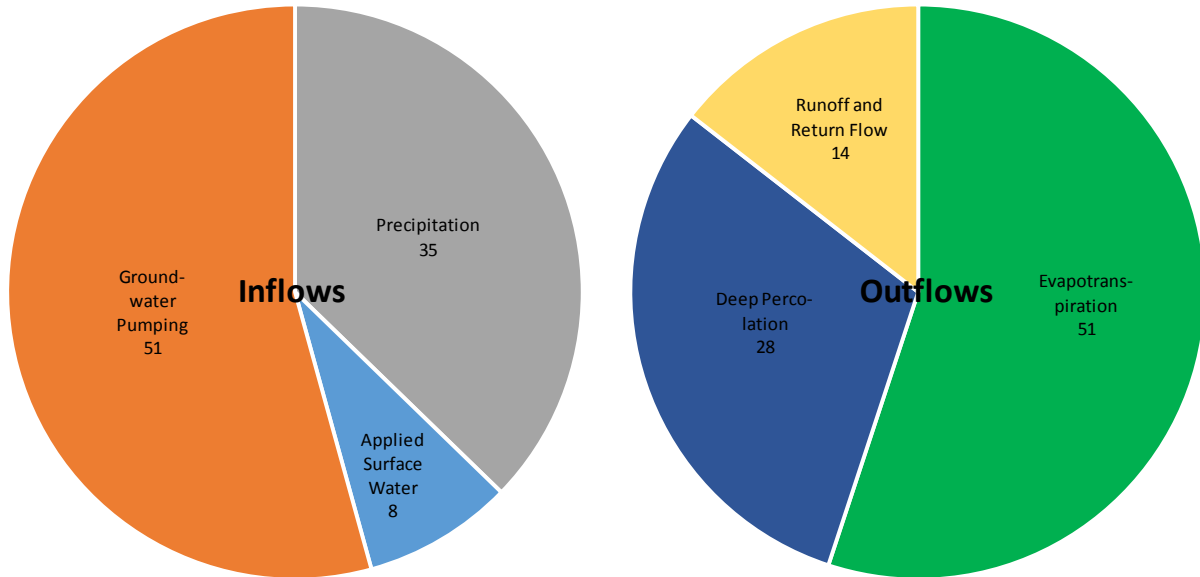
Water Budgets

North Yuba Inventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

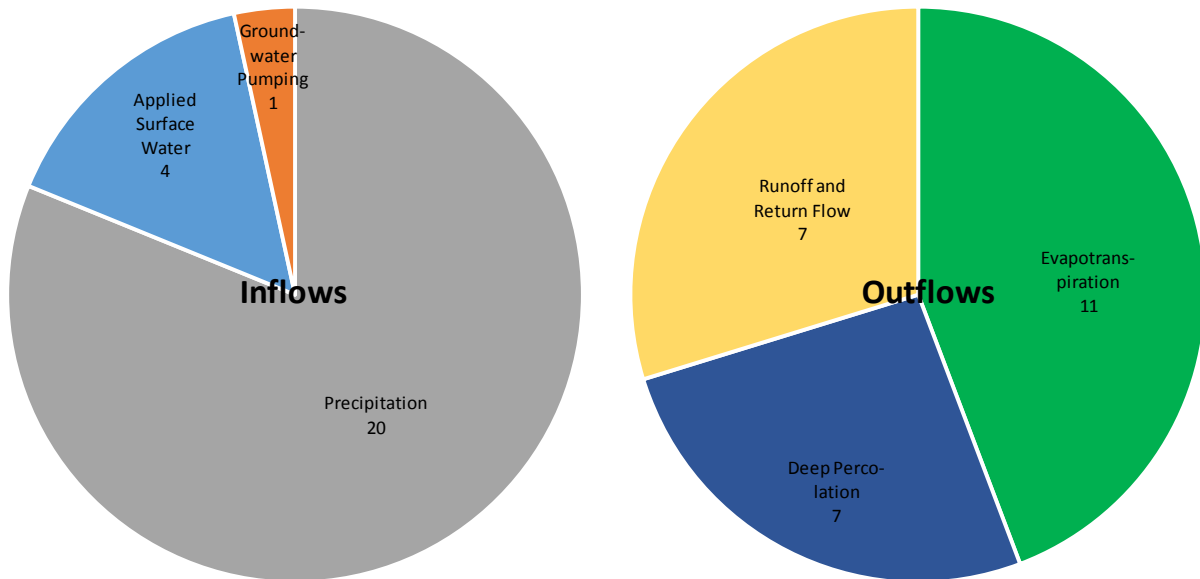




North Yuba Inventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

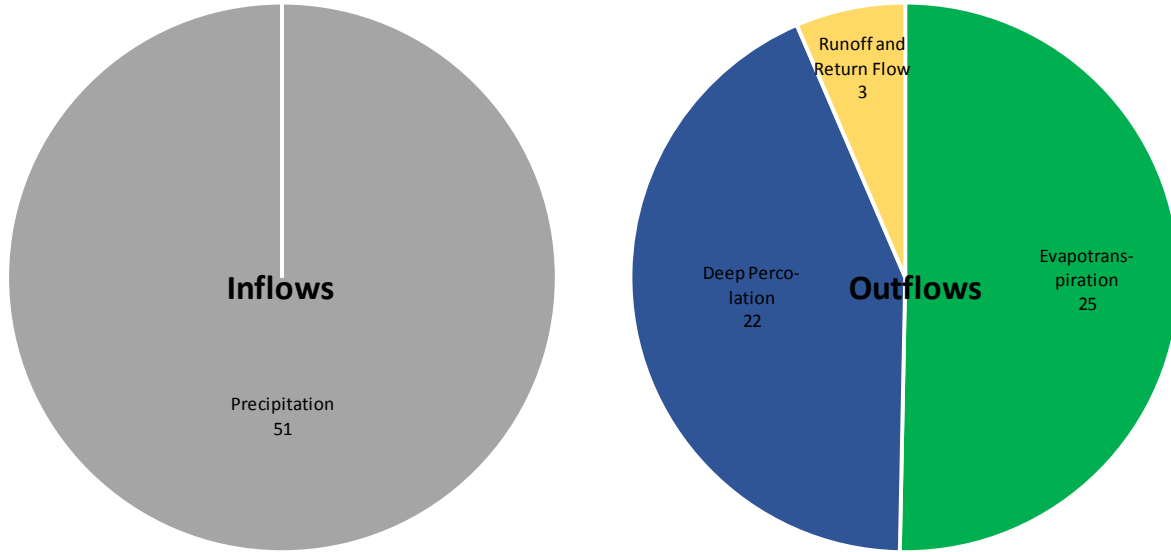


North Yuba Inventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

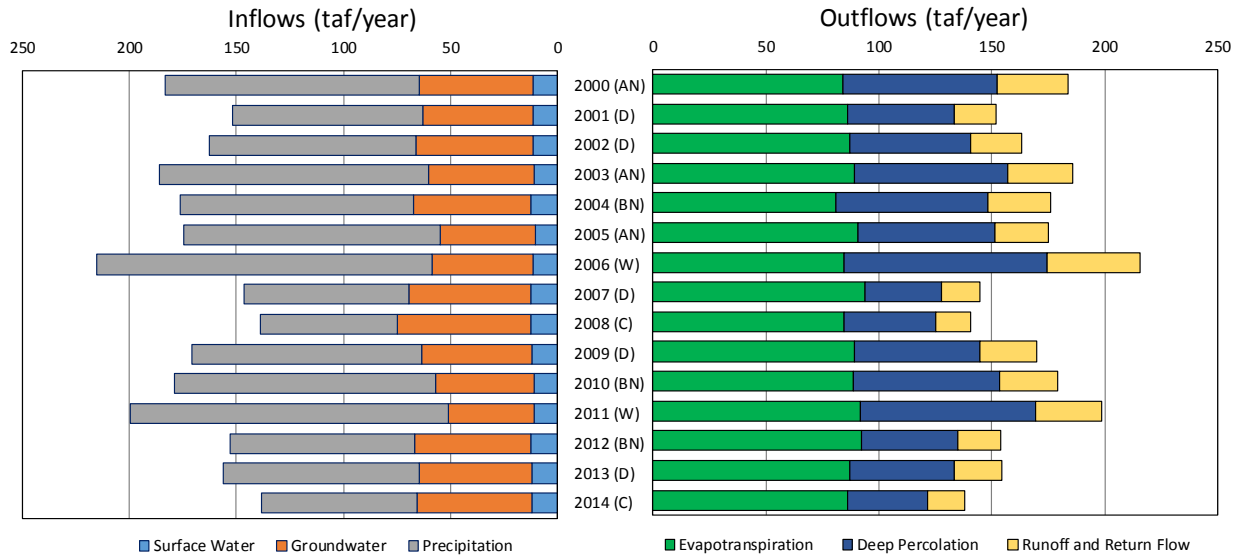




North Yuba Inventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



North Yuba Inventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	119	11	53	84	68	31	1
2001 (D)	89	12	51	86	47	18	0
2002 (D)	96	12	55	87	53	23	1
2003 (AN)	125	11	49	89	68	29	1
2004 (BN)	109	13	55	81	67	28	-1
2005 (AN)	120	11	44	91	61	24	1
2006 (W)	157	12	47	85	90	41	-1
2007 (D)	77	12	57	94	34	17	3
2008 (C)	64	13	62	84	41	16	-3
2009 (D)	107	12	51	89	55	25	1
2010 (BN)	122	11	46	89	65	26	0
2011 (W)	148	11	41	92	78	29	0
2012 (BN)	86	13	54	92	43	19	0
2013 (D)	91	12	53	87	46	21	1
2014 (C)	73	12	54	86	36	16	-1
Minimum	64	11	41	81	34	16	-3
Maximum	157	13	62	94	90	41	3
Average	106	12	52	88	57	24	0
Averages by Hydrologic Year Type							
Wet (W)	153	11	44	88	84	35	0
Above Normal (AN)	121	11	49	88	66	28	1
Below Normal (BN)	106	12	51	87	58	24	0
Dry (D)	92	12	54	89	47	21	1
Critical (C)	68	12	58	85	38	16	-2

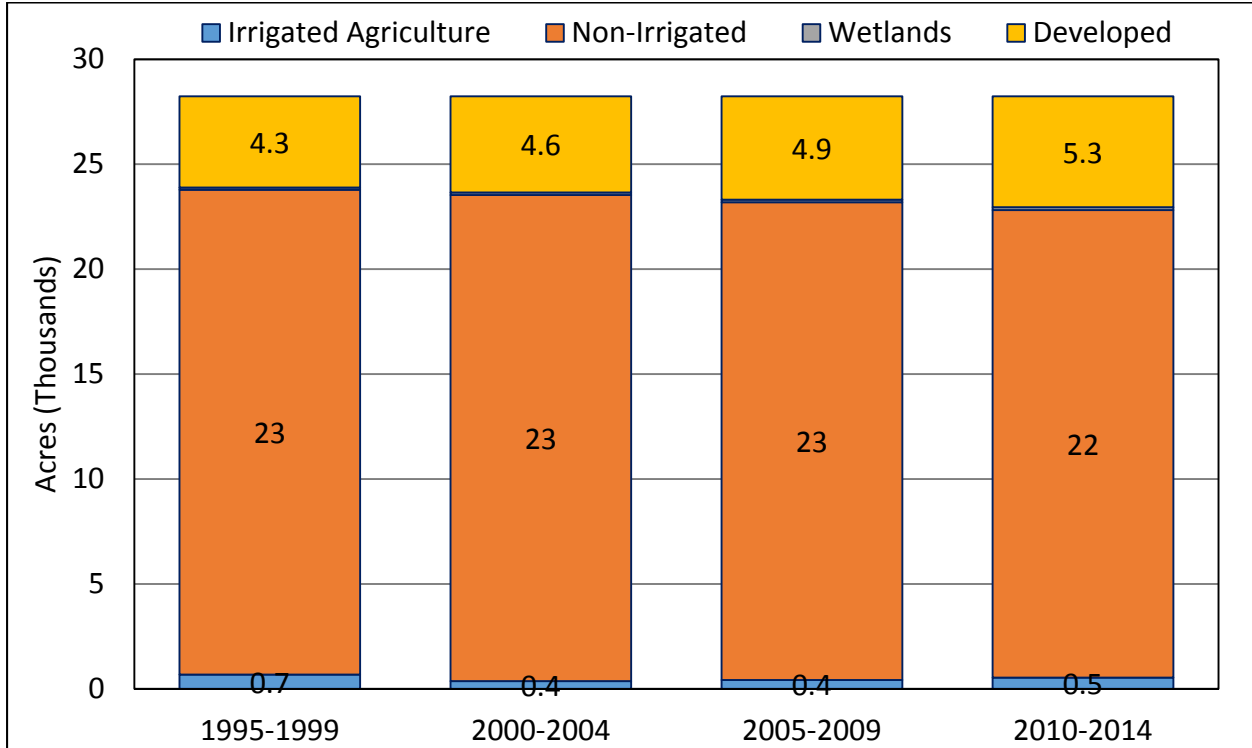


C.5. Foothill Inventory Unit

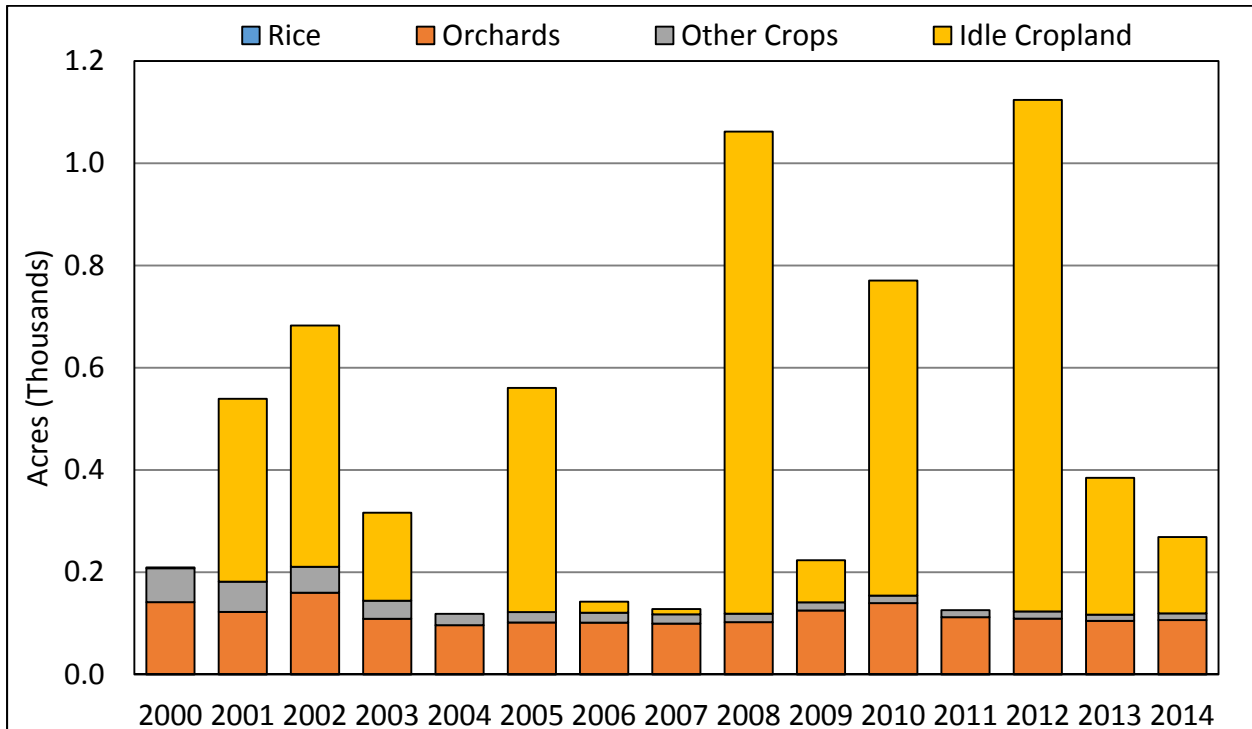
C.5.1. Cohasset Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	0	0	0	0	13	0	0	0	0	13	13
2001	0	0	0	0	29	0	0	0	390	29	419
2002	0	0	0	0	42	0	0	0	518	42	560
2003	0	0	0	0	65	0	0	0	215	65	280
2004	0	0	0	0	69	0	0	0	0	69	69
2005	0	0	0	0	88	0	0	0	506	88	594
2006	0	0	0	0	69	0	0	0	7	69	76
2007	0	0	0	0	69	0	0	0	0	69	69
2008	0	0	0	0	102	0	0	0	1,263	102	1,365
2009	0	0	0	0	53	0	0	0	111	53	165
2010	0	0	0	0	73	0	0	0	855	73	928
2011	0	0	0	0	69	0	0	0	5	69	73
2012	0	0	0	0	68	0	0	0	1,425	68	1,493
2013	0	0	0	0	72	0	0	0	463	72	536
2014	0	0	0	0	68	0	0	0	288	68	355
Min	0	0	0	0	13	0	0	0	0	13	13
Max	0	0	0	0	102	0	0	0	1,425	102	1,493
Average	0	0	0	0	63	0	0	0	403	63	466

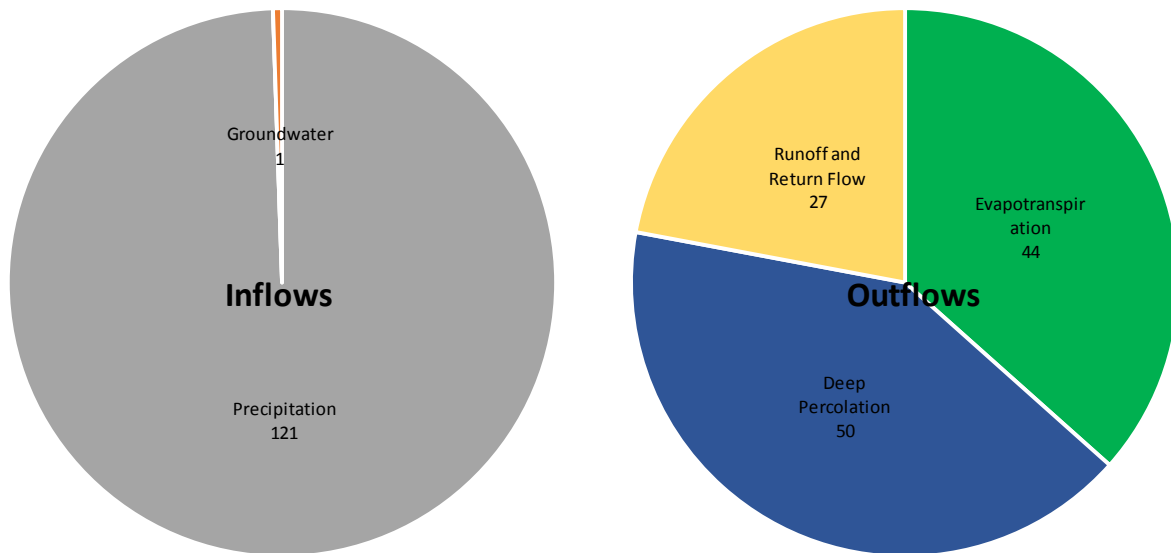


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	52	357	37,901	38,309
2001	59	435	37,411	37,904
2002	66	517	37,179	37,763
2003	76	609	37,357	38,043
2004	86	702	37,466	38,254
2005	82	690	36,957	37,729
2006	82	701	37,464	38,246
2007	80	700	37,474	38,254
2008	75	674	36,208	36,958
2009	77	695	37,387	38,158
2010	73	680	36,642	37,395
2011	73	693	37,484	38,250
2012	71	674	36,085	36,829
2013	73	697	37,017	37,787
2014	73	706	37,188	37,967
Min	52	357	36,085	36,829
Max	86	706	37,901	38,309
Average	73	635	37,148	37,856

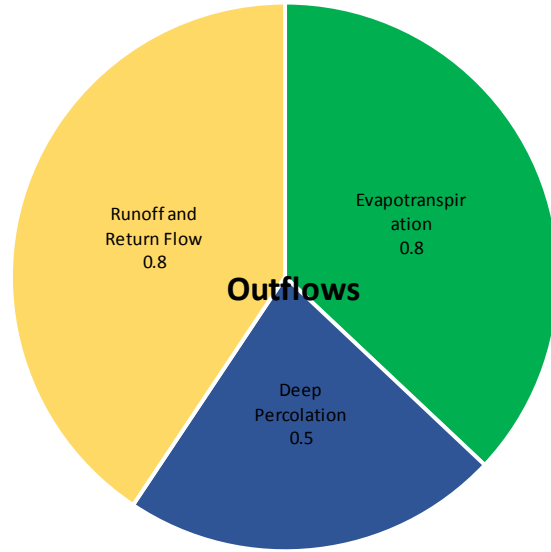
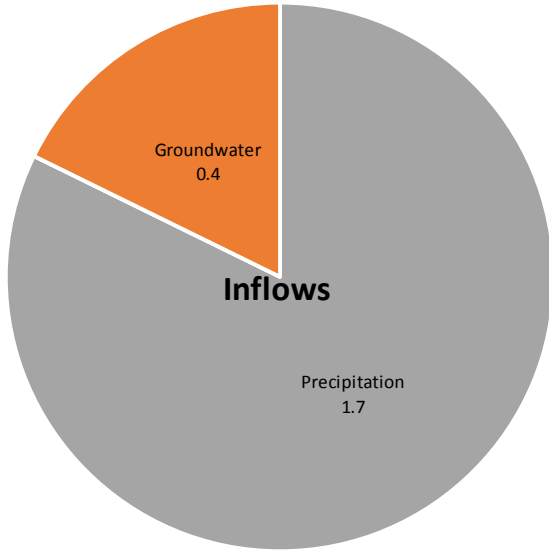
Water Budgets

Cohasset Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

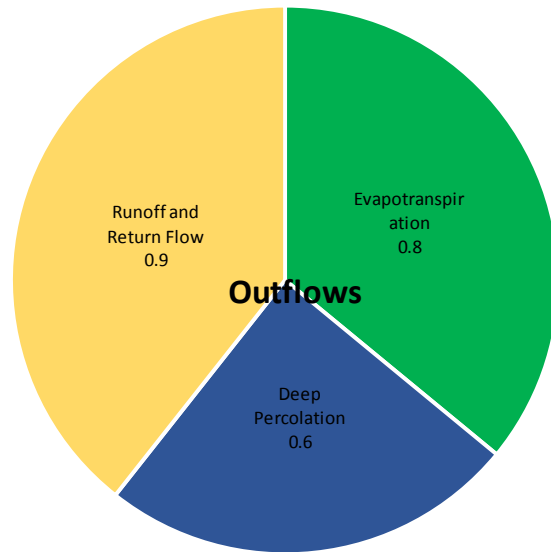
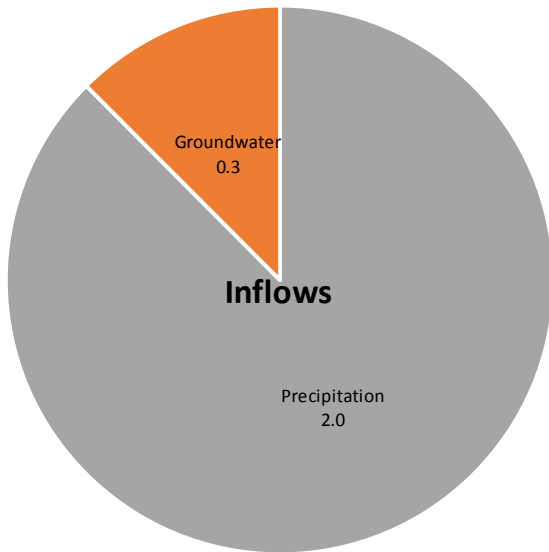




Cohasset Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

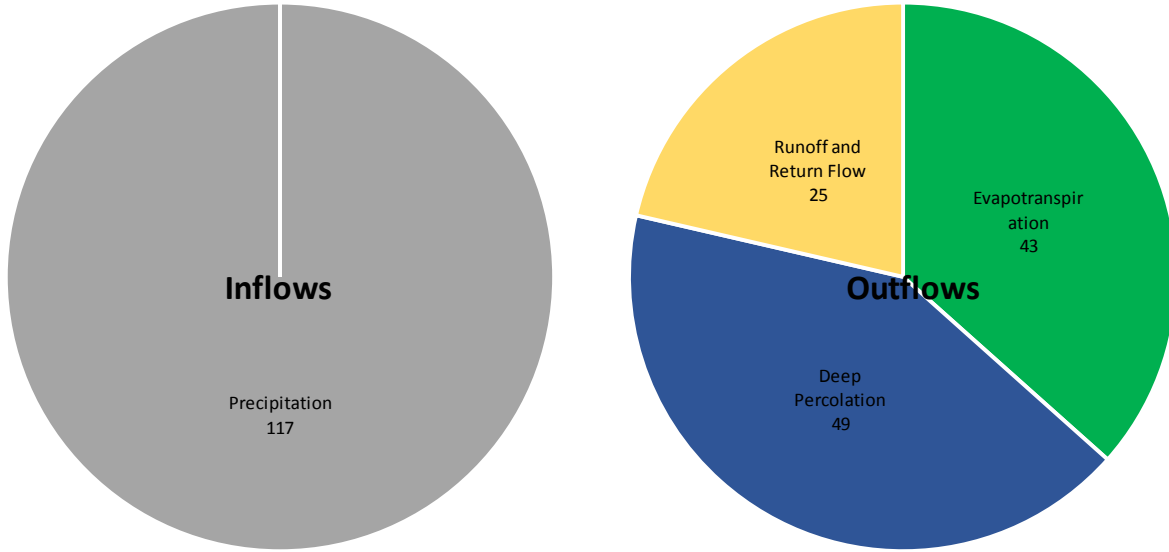


Cohasset Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

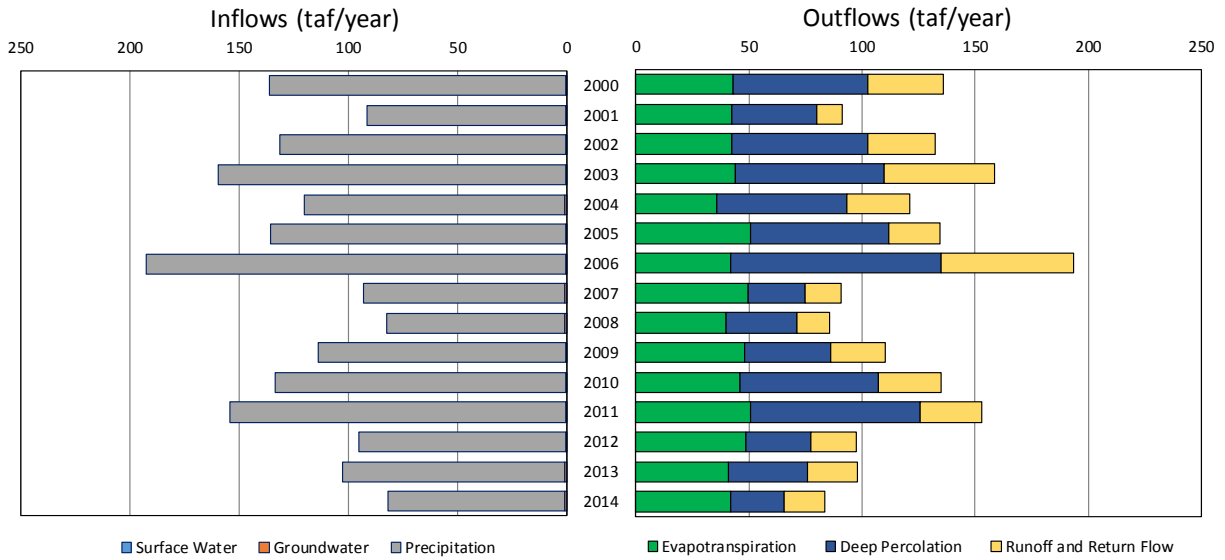




Cohasset Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Cohasset Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

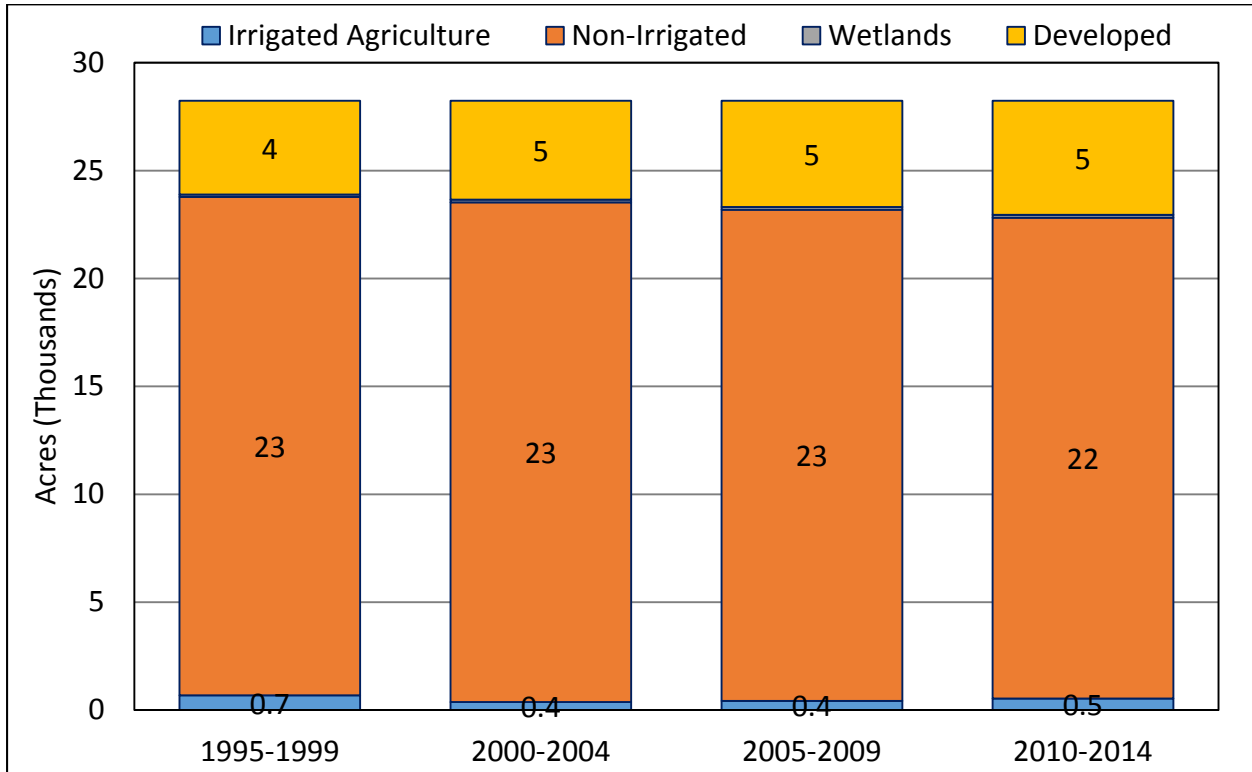
Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	136	0	0	43	60	33	0
2001 (D)	91	0	1	43	37	11	1
2002 (D)	131	0	1	42	60	30	-1
2003 (AN)	159	0	1	44	66	49	1
2004 (BN)	119	0	1	36	58	28	-1
2005 (AN)	135	0	1	50	61	23	2
2006 (W)	192	0	1	42	93	59	-2
2007 (D)	92	0	1	50	25	16	2
2008 (C)	82	0	1	40	32	14	-2
2009 (D)	113	0	1	48	38	24	2
2010 (BN)	133	0	1	46	61	28	-1
2011 (W)	154	0	1	51	75	27	0
2012 (BN)	95	0	1	49	28	20	0
2013 (D)	102	0	1	41	35	22	4
2014 (C)	81	0	1	42	24	18	-2
Minimum	81	0	0	36	24	11	-2
Maximum	192	0	1	51	93	59	4
Average	121	0	1	44	50	27	0
Averages by Hydrologic Year Type							
Wet (W)	173	0	1	46	84	43	-1
Above Normal (AN)	143	0	1	46	62	35	1
Below Normal (BN)	116	0	1	43	49	25	-1
Dry (D)	106	0	1	45	39	21	2
Critical (C)	81	0	1	41	28	16	-2



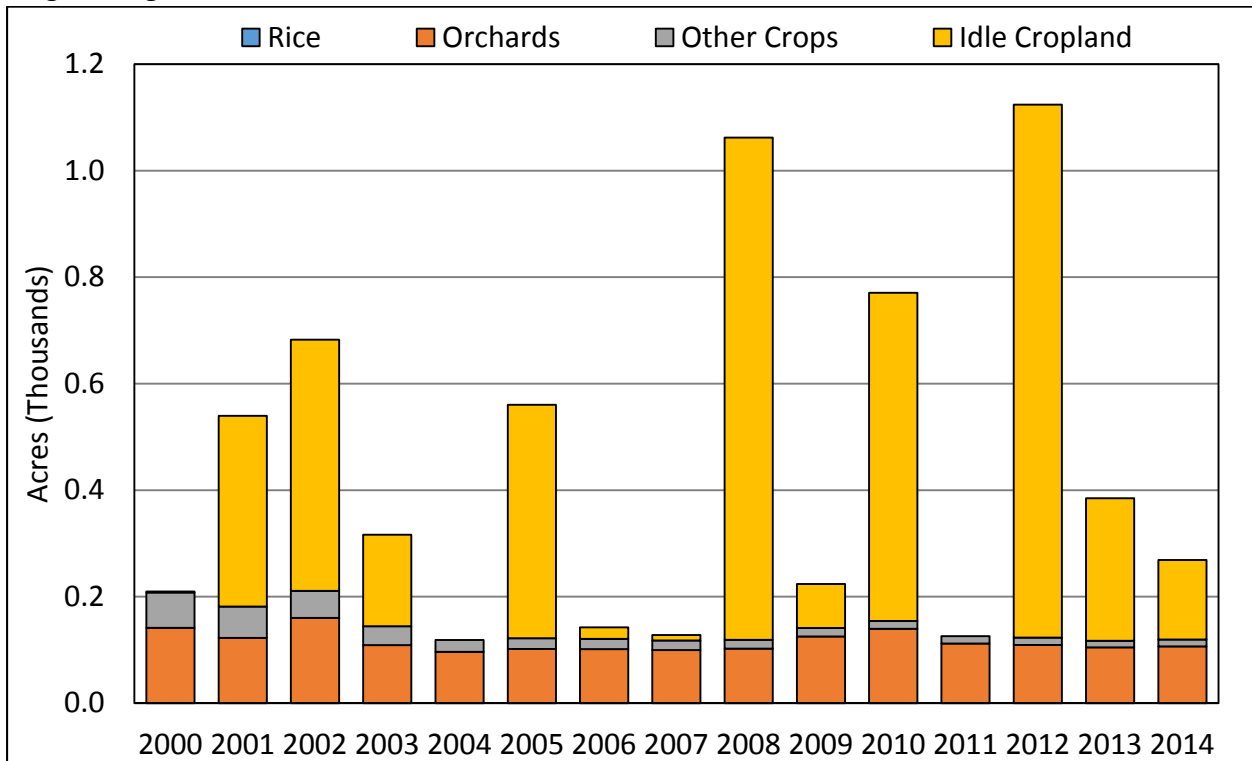
C.5.2. Ridge Subinventory Unit

Land Use

General Land Use



Irrigated Agricultural Land Use





Irrigated Agricultural Land Use

Year	Rice	Almonds	Walnuts	Prunes	Other Trees and Vines	Grain	Pasture and Alfalfa	Field and Annual	Idle Cropland	Total Cropped	Total (w/Idle)
2000	0	0	0	0	142	0	66	0	2	208	210
2001	0	0	0	0	123	0	59	0	358	182	540
2002	0	0	0	0	160	0	51	0	472	211	683
2003	0	0	0	0	109	0	36	0	172	145	316
2004	0	0	0	0	96	0	22	0	0	119	119
2005	0	0	0	0	102	0	20	0	439	122	561
2006	0	0	0	0	102	0	19	0	22	121	143
2007	0	0	0	0	100	0	18	0	10	118	128
2008	0	0	0	0	102	0	17	0	943	119	1,062
2009	0	0	0	0	125	0	16	0	83	141	224
2010	0	0	0	0	140	0	15	0	616	155	771
2011	0	0	0	0	112	0	14	0	0	126	126
2012	0	0	0	0	109	0	14	0	1,001	123	1,124
2013	0	0	0	0	105	0	12	0	268	117	385
2014	0	0	0	0	107	0	13	0	149	120	269
Min	0	0	0	0	96	0	12	0	0	117	119
Max	0	0	0	0	160	0	66	0	1,001	211	1,124
Average	0	0	0	0	116	0	26	0	302	142	444

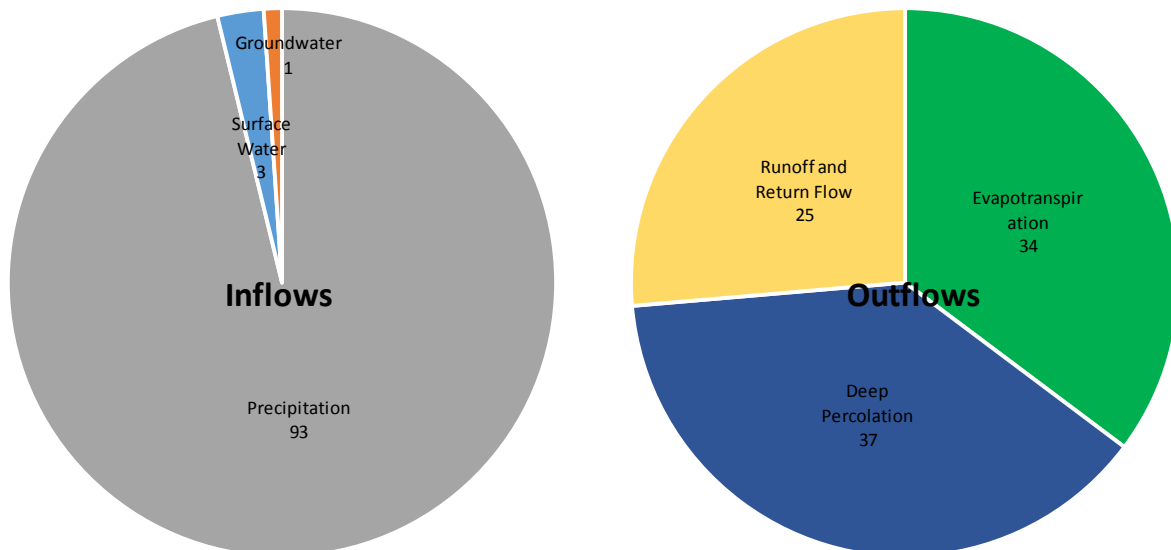


Other Land Use

Year	Wetlands	Developed	Non-Irrigated	Total
2000	122	4,531	23,373	28,026
2001	120	4,500	23,076	27,696
2002	118	4,517	22,918	27,553
2003	120	4,644	23,155	27,919
2004	120	4,725	23,272	28,117
2005	120	4,689	22,866	27,675
2006	125	4,892	23,076	28,093
2007	128	4,981	22,999	28,108
2008	126	4,905	22,143	27,174
2009	132	5,148	22,733	28,012
2010	132	5,133	22,200	27,465
2011	138	5,341	22,630	28,110
2012	134	5,192	21,786	27,112
2013	138	5,365	22,348	27,851
2014	139	5,392	22,435	27,967
Min	118	4,500	21,786	27,112
Max	139	5,392	23,373	28,117
Average	128	4,930	22,734	27,792

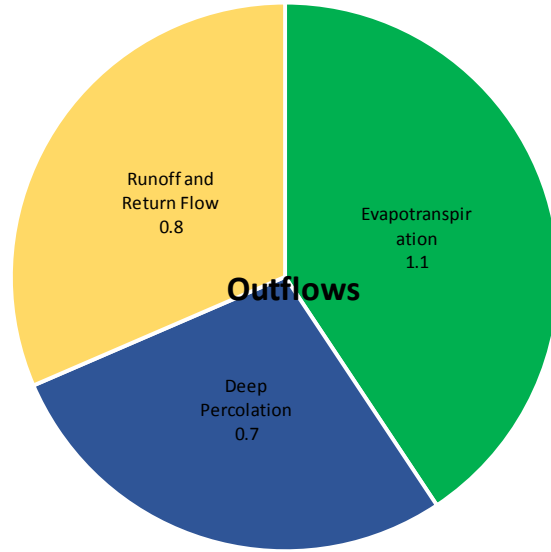
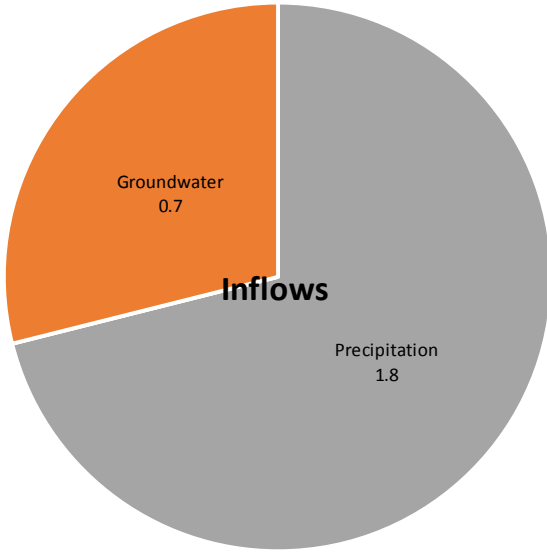
Water Budgets

Ridge Subinventory Unit Average Annual Inflows and Outflows (Thousands of Acre-Feet)

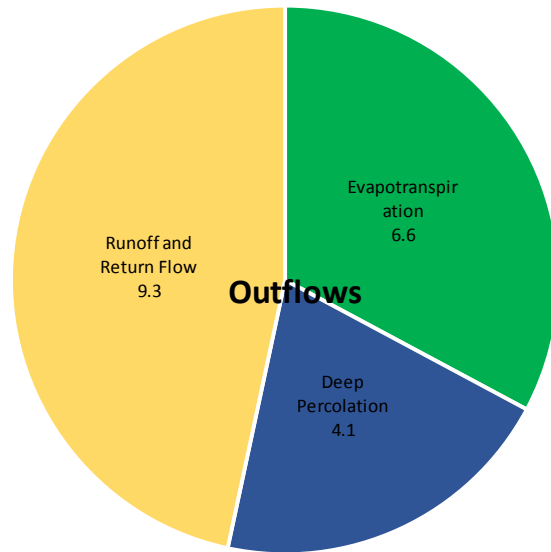
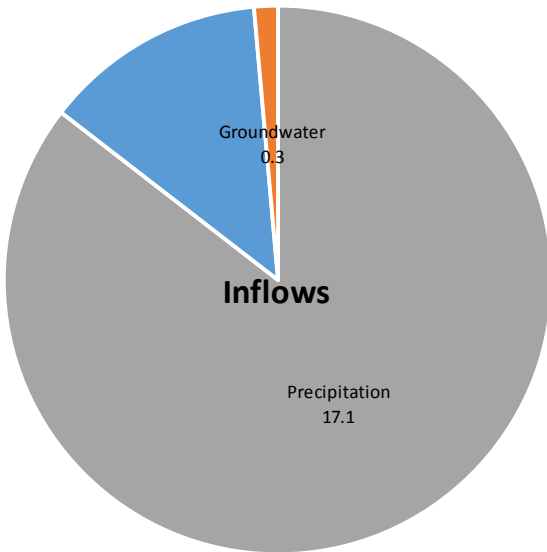




Ridge Subinventory Unit Agricultural Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

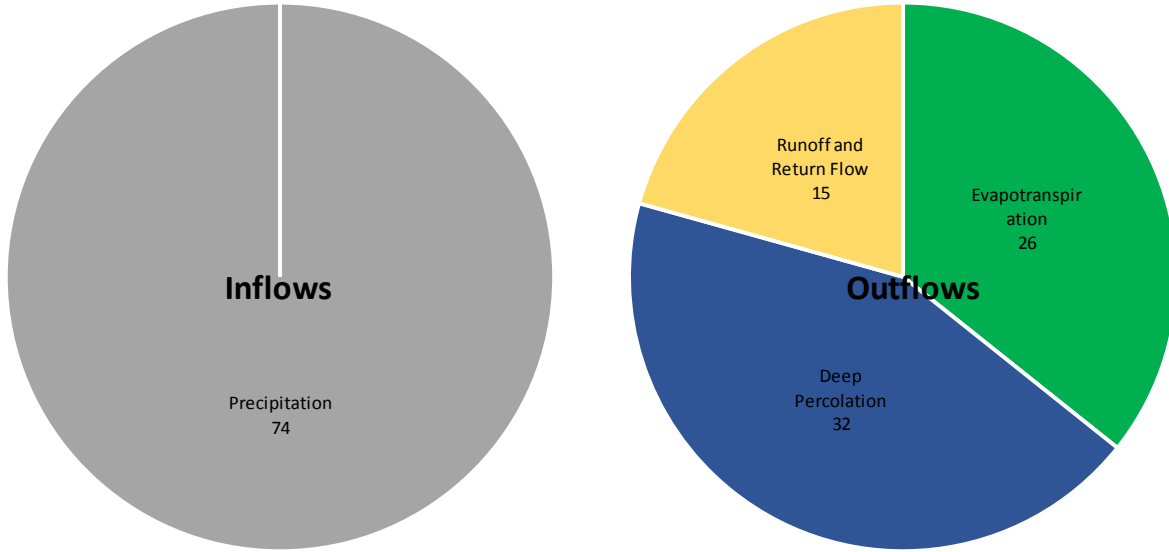


Ridge Subinventory Unit Developed Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)

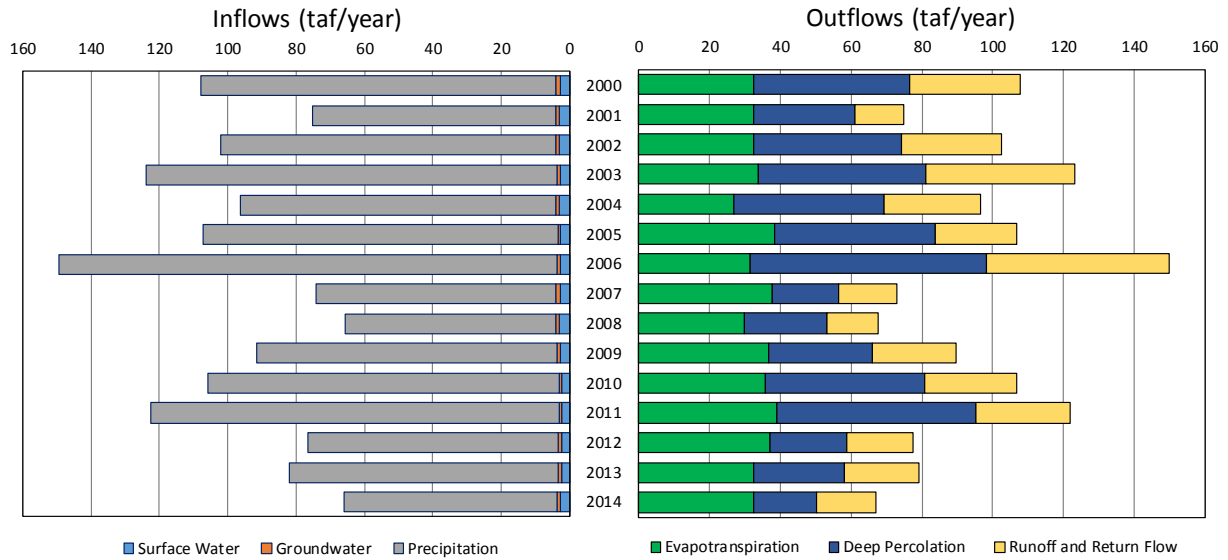




Ridge Subinventory Unit Native Area Average Annual Inflows and Outflows (Thousands of Acre-Feet)



Ridge Subinventory Unit 2000-2014 Water Year Inflows and Outflows (Thousands of Acre-Feet)





Subinventory Unit Water Budget

Water Year	Inflows (taf)			Outflows (taf)			Change in Storage (taf)
	Precipitation	Surface Water	Ground-water	Evapotranspiration	Deep Percolation	Runoff and Return Flow	
2000 (AN)	104	3	1	33	44	31	0
2001 (D)	71	3	1	32	29	14	1
2002 (D)	98	3	1	33	42	28	0
2003 (AN)	120	3	1	34	47	42	0
2004 (BN)	92	3	1	27	43	27	0
2005 (AN)	104	3	1	39	45	23	1
2006 (W)	146	3	1	32	67	52	-1
2007 (D)	70	3	1	38	19	16	2
2008 (C)	62	3	1	30	23	14	-1
2009 (D)	88	3	1	37	29	23	1
2010 (BN)	103	2	1	36	45	26	-1
2011 (W)	120	2	1	39	56	27	0
2012 (BN)	73	2	1	37	22	19	0
2013 (D)	79	2	1	33	25	21	3
2014 (C)	62	2	1	32	18	17	-2
Minimum	62	2	1	27	18	14	-2
Maximum	146	3	1	39	67	52	3
Average	93	3	1	34	37	25	0
Averages by Hydrologic Year Type							
Wet (W)	133	2	1	35	61	39	0
Above Normal (AN)	109	3	1	35	46	32	1
Below Normal (BN)	89	2	1	33	37	24	0
Dry (D)	81	3	1	34	29	21	1
Critical (C)	62	3	1	31	21	16	-1