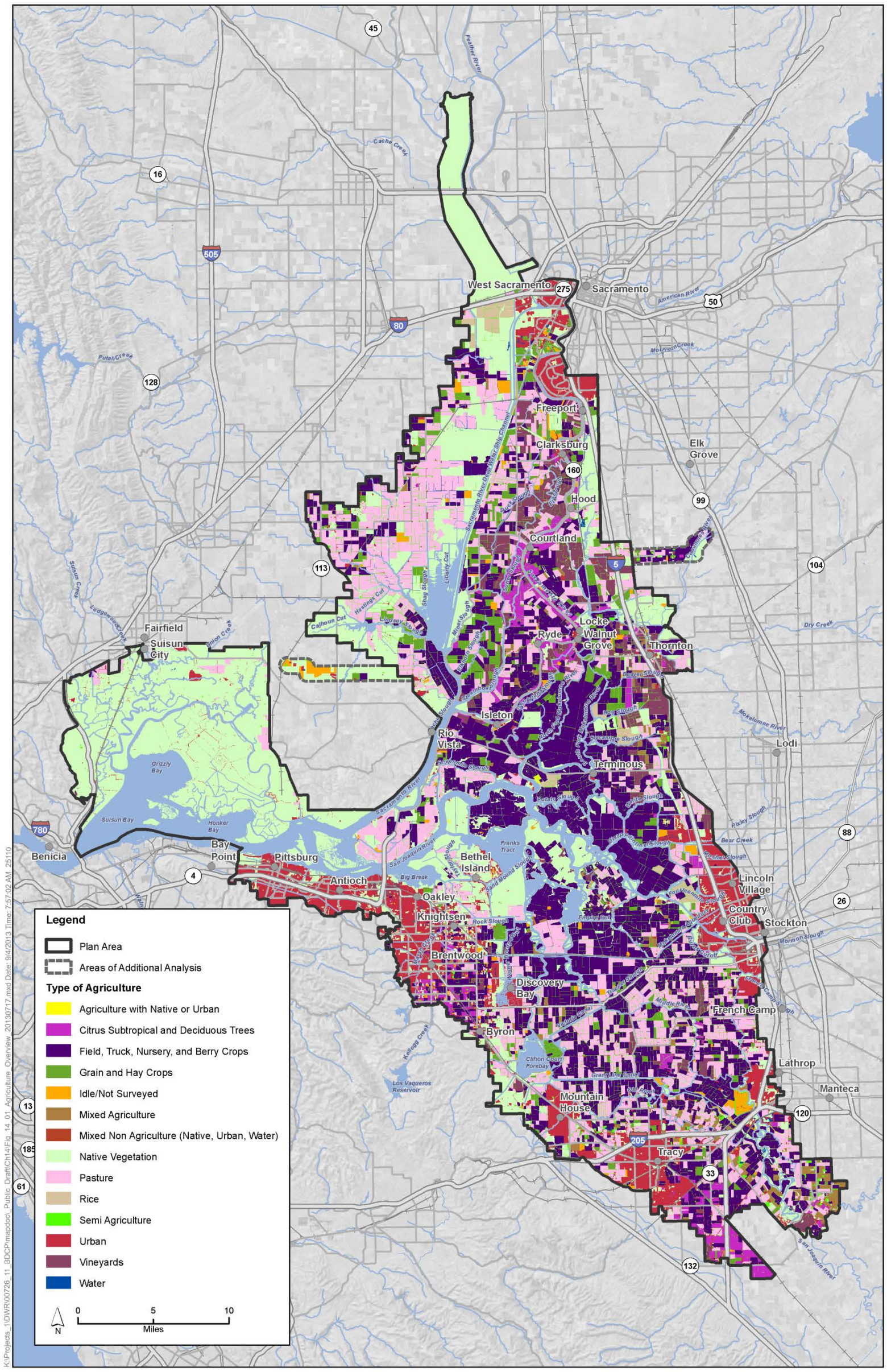
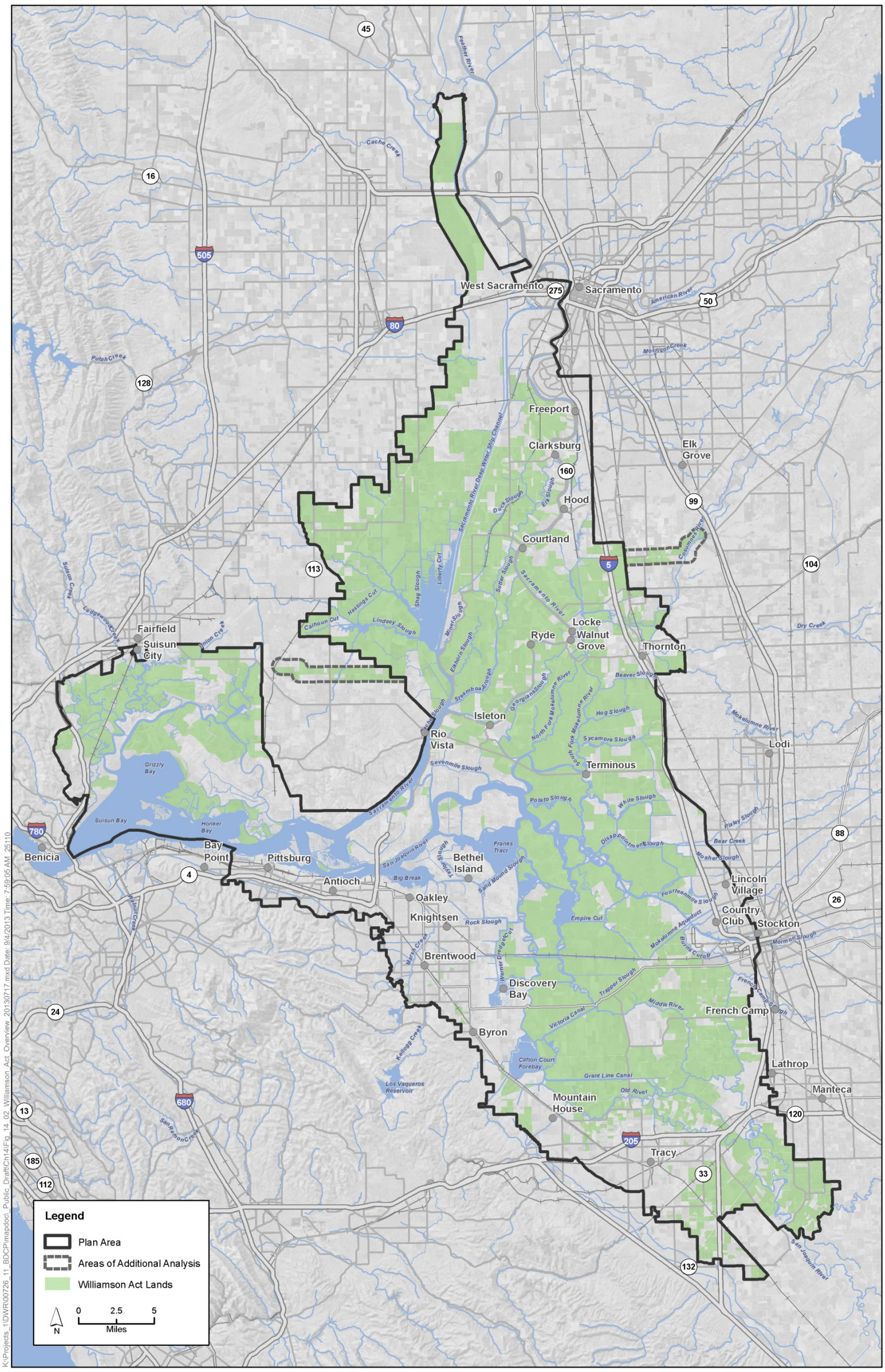
FIGURES AND TABLES



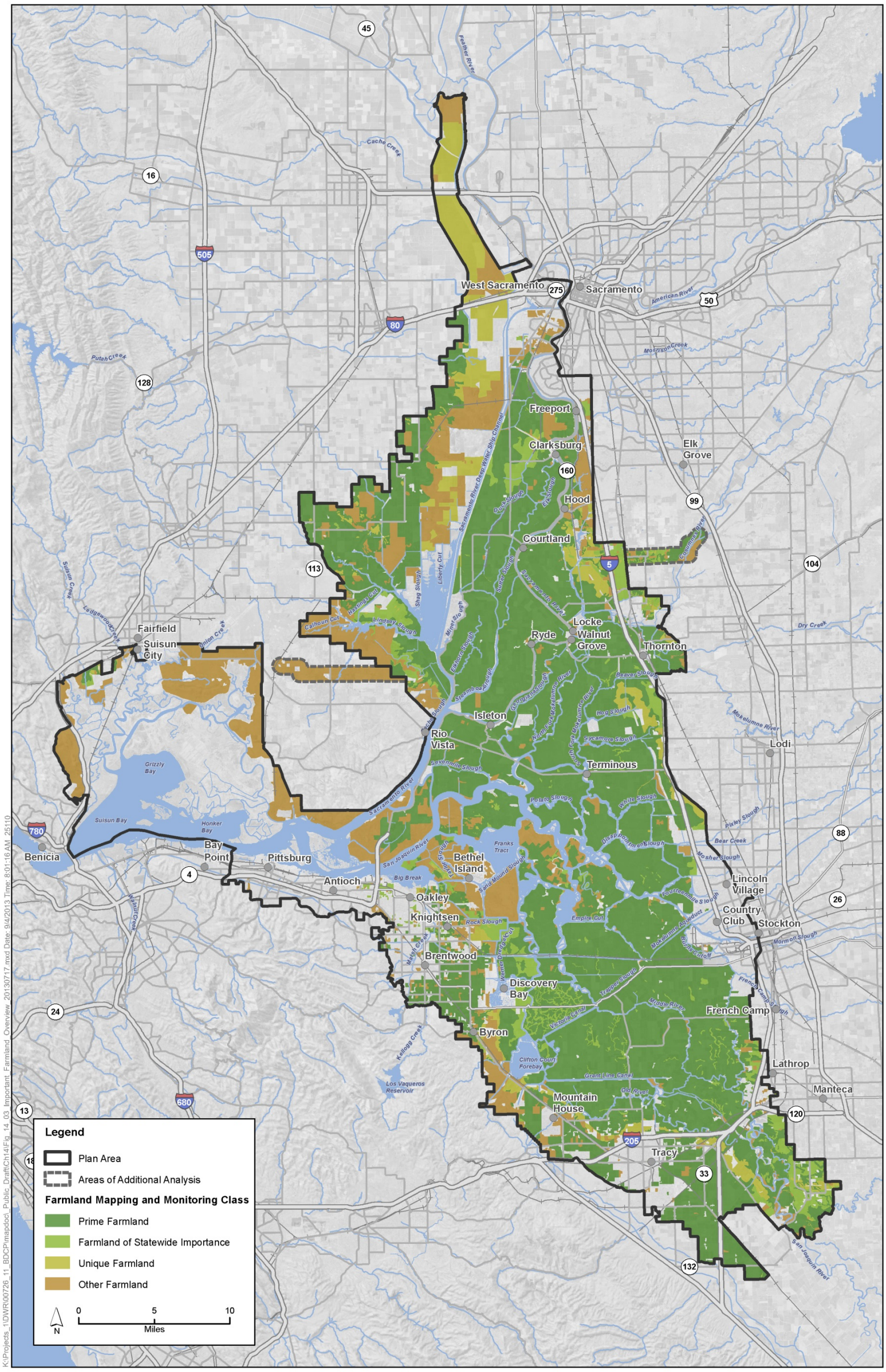
Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Type of Agriculture, BDCP_Landuse_Crop, HDR 2011.

Figure 14-1
Overview of Agricultural Type



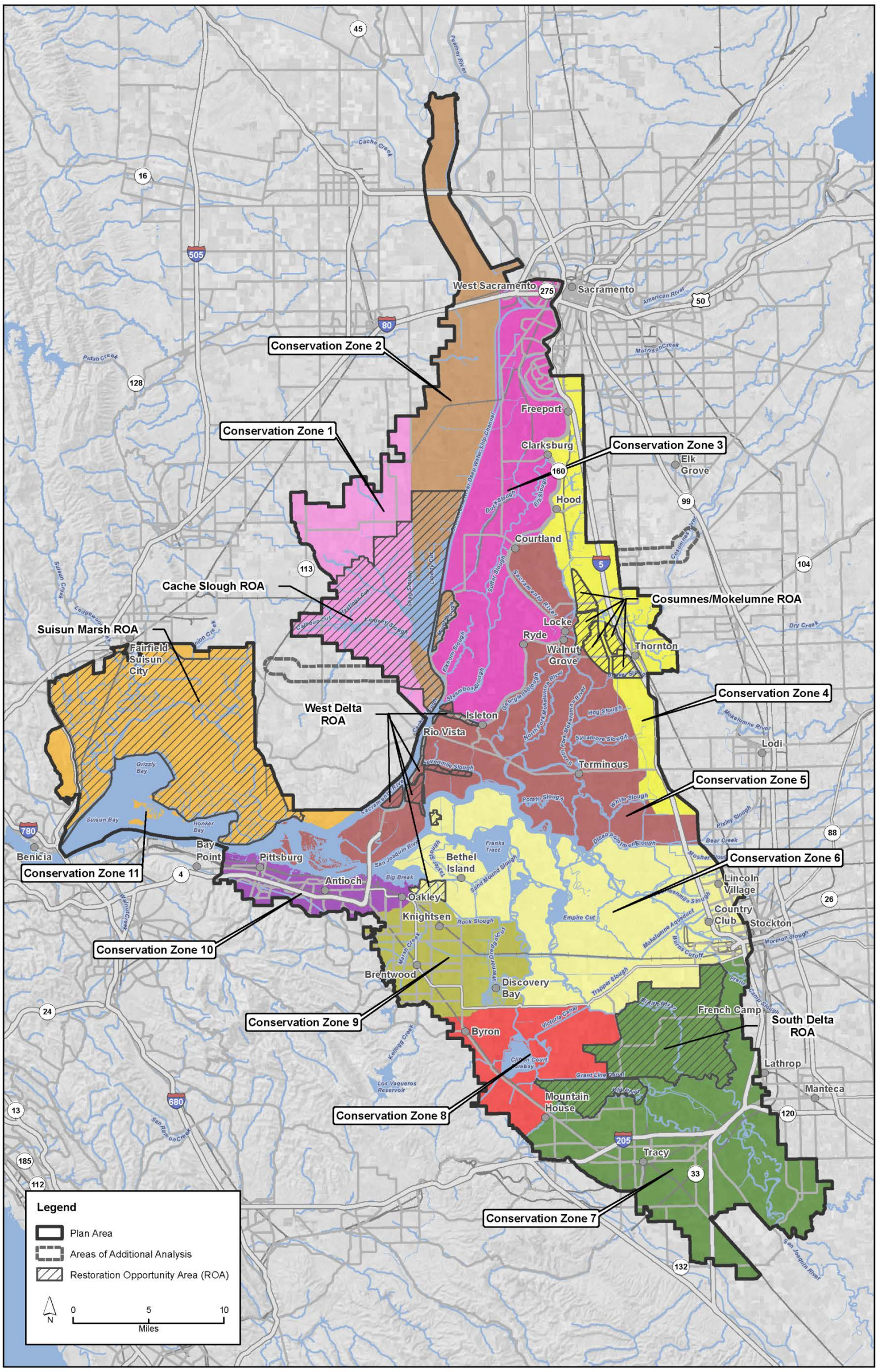
Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Williamson Act, Dept. of Conservation 2007 & 2009.

Figure 14-2
Lands under Williamson Act Contracts



Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; FMMP, 2008 & 2010.

Figure 14-3
Important Farmland Overview



Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Restoration Opportunity Areas, SAIC 2012; Conservation Zones, SAIC 2012

Figure 3-1
Conservation Zones and Restoration Opportunity Areas

Table 14-1. Farmland Mapping and Monitoring Program Categories in Restoration Opportunity Areas

FMMP Category	Cache Slough ROA	Cosumnes-Mokelumne ROA	South Delta ROA	Suisun Marsh ROA	West Delta ROA	Total
Prime Farmland	12,930	6,854	34,240	577	2,189	56,791
Farmland of Statewide Importance	3,726	96	988	182	270	5,261
Unique Farmland	2,062	307	77	116	27	2,590
Farmland of Local Importance		40	134		1,070	1,244
Grazing Lands	15,279	1	108	17,755	533	33,676
Urban Built-up Land	15	16	17	869	368	1,285
Other Land	7,594	16		58,858	647	67,116
Rural Residential Land		53	11			64
Semi-Agricultural and Rural Commercial Land		15	244			259
Confined Animal Agriculture			27			27
Nonagricultural and Natural Vegetation			678			678
Water	7,558	2		4,610	654	12,824
Total	49,166	7,399	36,524	82,967	5,759	181,814

Note: For San Joaquin County, "Other Land" is divided into the four categories listed below it in the table (Rural Residential Land, Semi-Agricultural and Rural Commercial Land, Confined Animal Agriculture, and Nonagricultural and Natural Vegetation), as part of the Rural Land Mapping Project.

Table 14-2. Crop Acreages in the Plan Area

		County						
Type	Crops	Alameda	Contra Costa	Sacramento	San Joaquin	Solano	Yolo	Total
Farmland and Row Crop								
Annual	Asparagus		1,480	990	21,590		5	24,064
Annual	Cucurbits (e.g., melons)		220	23	5,360	3	810	6,424
	Dairy		100	43	1,040			1,187
	Fallow and Idle		5,070	2,880	2,760	850	2,850	14,409
	Farmstead	20	720	690	1,650	630		3,710
Permanent	Feed Lot	3	14		62	16		95
Pasture	Grain and Hay	360	4,830	9,850	24,360	6,870	5,070	51,343
Annual	Miscellaneous Truck Crops	58	550	1,050	4,890	1	180	6,729
Permanent	Poultry Farm			1	76			77
Annual	Tomatoes		4,070	4,260	23,580	530	5,410	37,850
Field Crops								
Pasture	Alfalfa	370	3,870	3,570	42,800	13,530	5,730	69,868
Annual	Beans		380	470	8,960	250	85	10,140
Annual	Corn	200	8,690	27,260	60,860	4,250	12,830	114,108
Annual	Miscellaneous Field Crops			930	450	420	530	2,326
Annual	Safflower		2,860	4,840	17,650	6,650	18,160	50,157
Pasture	Sudan		420	310	930	1,250	1,850	4,753
Annual	Sunflowers				1,570	270	9	1,850
Orchards								
	Almonds		280		2,190			2,472
	Apples		1,470	490	240	100	140	2,435
	Apricots		990		1,060			2,041
	Cherries		430	240	34		30	739
	Miscellaneous Deciduous		660	20	180	21	47	929
Permanent	Mixed Deciduous Trees		14		98	19		131
	Peaches		160	45	98	9		309
	Pears		180	6,500	170	390	390	7,621
	Walnuts		1,130		3,980	8	54	5,170
	Grapes	44	690	7,270	7,100	1,470	5,530	22,095
	Mixed Agriculture		50	8	580	39		674

Type	Crops	County						Total
		Alameda	Contra Costa	Sacramento	San Joaquin	Solano	Yolo	
	Mixed Agriculture, Urban, and Native Classes	240	45,930	21,240	53,260	20,940	13,730	155,341
Uncommon Crops								
	Native and Mixed Native Classes	2,160	19,710	16,670	20,050	91,110	21,240	170,935
	Non-Irrigated Crops	1,110	300	97	51	2,070	1	3,633
Pasture	Pasture	68	7,010	6,290	4,190	20,380	4,930	42,863
Annual	Rice			580	13		6,710	7,298
Permanent	Subtropical Trees		4	24	50	3		81
Annual	Turf			140	1,110	310	65	1,630

Source: California Department of Water Resources 1994–2007 (dataset comprising county-specific land use survey data from 1994, 1995, 1996, 1997, 2000, 2006, and 2007).

Note: Crop acreages have been rounded to the nearest 10 acres for crops with more than 100 acres and the nearest 1 acre for crops with less than 100 acres.

Table 14-8. Estimated Conversion of Important Farmland as a Result of Construction of Water Conveyance Facilities, by Alternative (Acres)

	Permanent Surface Impacts					Temporary and Short-term Surface Impacts						
	Farmland of Local Importance	Farmland of Statewide Importance	Prime Farmland	Unique Farmland	Subtotal	Farmland of Local Importance	Farmland of Statewide Importance	Prime Farmland	Unique Farmland	Subtotal	Grand Total	Percent of Total in Study Area
Alternatives 1A and 6A	173	330	3,427	1,054	4,984	143	13	1,126	48	1,329	6,313	1.23%
Alternatives 1B and 6B	513	530	15,800	2,031	18,875	99	61	1,769	214	2,144	21,019	4.10%
Alternatives 1C and 6C	690	291	11,124	909	13,014	466	165	2,380	160	3,170	16,184	3.16%
Alternative 2A[a]	133	330	3,473	1,056	4,992	131	13	1,634	48	1,826	6,818	1.33%
Alternative 2B[a]	473	530	15,833	2,032	18,868	89	61	2,282	236	2,669	21,537	4.20%
Alternative 2C	690	291	11,127	912	13,019	466	165	2,380	160	3,170	16,189	3.16%
Alternative 3	124	330	3,331	1,053	4,838	59	11	863	20	953	5,791	1.13%
Alternative 4	197	158	4,281	339	4,975	237	70	955	53	1,315	6,290	1.23%
Alternative 5	124	330	3,267	1,049	4,770	59	11	747	17	833	5,603	1.09%
Alternatives 7 and 8	111	330	3,388	1,054	4,883	64	13	979	48	1,105	5,987	1.17%
Alternative 9	41	307	2,104	7	2,459	97	71	388	3	559	3,018	0.59%

[a] Assumes Intakes 1–3, 6, and 7; otherwise, effects would be the same as Alternatives 1A and 1B, respectively.

Table 14-9. Estimated Conversion of Williamson Act and Farmland Security Zone Farmland as a Result of Construction of Water Conveyance Facilities (acres)

	Permanent Surface Impacts			Temporary and Short-term Surface Impacts				
Alternative(s)	Farmland Security Zone	Other Williamson Act	Subtotal	Farmland Security Zone	Other Williamson Act	Subtotal	Grand Total	Percent of Total in Study Area
Alternatives 1A and 6A	643	2,215	2,857	77	710	787	3,645	0.84%
Alternatives 1B and 6B	3,788	10,292	14,080	233	1,093	1,326	15,406	3.57%
Alternatives 1C and 6C		7,647	7,647		1,243	1,243	8,890	2.06%
Alternative 2A[a]	643	2,267	2,910	77	1,195	1,272	4,182	0.97%
Alternative 2B[a]	3,788	10,337	14,125	233	1,644	1,877	16,003	3.71%
Alternative 2C		7,646	7,646		1,243	1,243	8,890	2.06%
Alternative 3	643	2,170	2,813	77	645	722	3,536	0.82%
Alternative 4	19	3,061	3,080	115	722	837	3,917	0.91%
Alternative 5	643	2,110	2,753	77	554	632	3,385	0.78%
Alternatives 7 and 8	643	2,204	2,847	77	667	744	3,592	0.83%
Alternative 9	919	1,428	2,347	132	659	790	3,137	0.73%

[a] Assumes Intakes 1–3, 6, and 7; otherwise, effects would be similar to 1A and 1B, respectively.

Table 3-4. Implementation Schedule for Natural Community Protection and Restoration Conservation Measures (acres)

		Near-Term		Early Long-Term	Late Long-Term						
	Total	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50
BDCP Reserve System											
CM3: Natural Communities Protection and Restoration											
Valley/Foothill Riparian	750	400	350								
Vernal pool complex	600	200	200	200							
Alkali seasonal wetland complex	150		120	5	5	5	5	5	5		
Grassland	8,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		
Managed wetland	1,500	500	1,000								
Managed wetland (natural community)	6,600	1,400	1,900	600	550	550	550	550	500		
Cultivated lands (non-rice)	48,125	7,700	7,700	6,700	5,200	5,200	5,200	5,200	5,225		
Cultivated lands (rice)	500	100	100	100	100	100					
Cultivated lands (rice or equivalent)	3,000	300	400	400	400	400	400	400	300		
Nontidal marsh	50	10	15	5	5	5	5	5			
Total Acquisition	**69,275**	**11,610**	**12,785**	**9,010**	**7,260**	**7,260**	**7,160**	**7,160**	**7,030**		
CM4: Tidal Natural Communities Restoration [1]											
Tidal brackish emergent wetland	6,000	1,000	1,000	2,050	350	400	400	400	400		
Tidal freshwater emergent wetland	24,000	4,425	4,425	4,450	2,150	2,150	2,150	2,150	2,100		
Tidal perennial aquatic (below MLLW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Tidal wetland of any type and transitional uplands	35,000	4,150	4,150	4,150	4,150	4,600	4,600	4,600	4,600		
Subtotal: Tidal wetland restoration	**65,000**	**9,575**	**9,575**	**10,650**	**6,650**	**7,150**	**7,150**	**7,150**	**7,100**		
CM5: Seasonally Inundated Floodplain Restoration [2]	10,000			1,000	1,800	1,800	1,800	1,800	1,800		
CM6: Channel Margin Enhancement (miles) [3]	20	5	5		5		5				
CM7: Riparian Natural Community Restoration	5,000	400	400	300	750	750	750	800	850		
CM8: Grassland Natural Community Restoration	2,000	570	570	340	100	100	100	100	120		
CM9: Vernal Pool and Alkali Seasonal Wetland Complex Restoration											
Vernal Pool Complex	67	20	20	27							
Alkali Seasonal Wetland	72	29	29	5	5	4					
CM10: Nontidal Marsh Restoration											
Nontidal Marsh Restoration	1,200	200	200	100	100	150	150	150	150		
Managed wetland	500	250	250								
Total Restoration	**83,839**	**11,044**	**11,044**	**12,422**	**9,405**	**9,954**	**9,950**	**10,000**	**10,020**		
Total Acquisition and Restoration	**153,114**	**22,654**	**23,829**	**21,432**	**16,665**	**17,214**	**17,110**	**17,160**	**17,050**		

[1] Under Alternative 5, 25,000 acres of tidal habitat would be restored under CM4.
[2] Under Alternative 7, 20,000 acres of seasonally inundated floodplain would be restored under CM5.
[3] Under Alternative 7, 40 linear miles of channel margin habitat would be enhanced under CM6.