

Appendix D-Attachment 2

Delivery Specifications: OCAP Study 8.0 (Future)

This attachment describes the State Water Project (SWP) and Central Valley Project (CVP) contract amounts and other water rights assumptions used in the OCAP Study 8.0 - Future.

This document does not include CVP contract or water rights assumptions for the East San Joaquin River Region. Table 1 summarizes the SWP and CVP demands described in this document.

Table 1 – Summary of SWP and CVP Demand/Contract Assumptions in the OCAP Study 8.0 - Future (TAF/year)

	North-of-the-Delta	South-of-the-Delta
CVP Contractors		
• Settlement/Exchange	2,194	840
Water Service Contracts		
• Agriculture	378	1,937
• M&I ¹	557	164
• Refuges	189	281
SWP Contractors		
• Feather River Service Area	796	0
Table A		
• Ag	0	1,032
• M&I	114	3,024

¹ North of Delta CVP M&I demands include Delta demands

State Water Project

Table 2 shows the SWP Table A amounts and Article 21 demands for each North-of-the-Delta contractor. In addition, the table shows Feather River Service Area water rights.

Table 3 shows the SWP Table A amounts and Article 21 demands for each South-of-the-Delta contractor. In addition, the table shows assumed losses on the California Aqueduct.

Central Valley Project

Table 4 shows the CVP contract amounts, Settlement Contractor and Exchange Contractor contract amounts, and firm Level 2 refuge water demands for the North-of-the-Delta region. The same type of information for the American River portion of the system is shown separately in Table 5.

Table 6 shows the CVP contract amounts, Settlement Contractor and Exchange Contractor contract amounts, other non-CVP water rights, firm Level 2 refuge water demands, and assumed losses for the South-of-the-Delta region.

Table 7 provides tables that list the CVP Settlement Contractors included in each Sacramento River miscellaneous users delivery arc. These provide additional detail for assumptions contained in Table 4.

Table 2. SWP North-of-the-Delta - OCAP Study 8.0 - Future

SWP CONTRACTOR	Geographic Location	CALSIM II Diversion	FRSA Amount (TAF)	Water Right (TAF/yr)	Table A Amount (TAF)		Article 21 Demand (TAF/mon)	Other (TAF/yr)
					Ag	M&I		
Feather River								
Palermo	FRSA	D6		17.6				
County of Butte	Feather River	D201				27.5		
Thermalito	FRSA	D202		8.0				
Western Canal	FRSA	D7A	150.0	145.0				
Joint Board	FRSA	D7B	550.0	5.0				
City of Yuba City	Feather River	D204				9.6		
Feather WD	FRSA	D206A	17.0					
Garden, Oswald, Joint Board	FRSA	D206B						
Garden	FRSA	D206BA	12.9	5.1				
Oswald	FRSA	D206BB	2.9					
Joint Board	FRSA	D206BC	50.0					
Plumas, Tudor	FRSA	D206C						
Plumas	FRSA	D206CA	8.0	6.0				
Tudor	FRSA	D206CB	5.1	0.2				
Total Feather River Area			795.8	186.9	0.0	37.1		
Other								
Yuba County Water Agency	Yuba River	D230						Variable 331.4
Camp Far West ID	Yuba River	D285						12.6
South Sutter WD	American R/DSA70	D283						Variable 99.2
Feather River Exports to American River (left bank to DSA70)	American R/DSA70	D223		11.0				
Delta								
Napa County FC&WCD	North Bay Aqueduct	D403B				29.02	1.0	
Solano County WA	North Bay Aqueduct	D403C				47.76	1.0	
Fairfield, Vacaville and Benecia Agreement	North Bay Aqueduct	D403D		31.6				
Total North Bay Aqueduct						76.78	2.0	

Table 3. SWP South-of-the-Delta - OCAP Study 8.0 - Future

SWP CONTRACTOR	Geographic Location	CALSIM II Diversion	Table A Amount (TAF)		Article 21 Demand (TAF/mon)	Losses (TAF/yr)
			Ag	M&I		
Alameda Co. FC&WCD, Zone 7	SBA reaches 1-4	D810		51.74	1.00	
	SBA reaches 5-6	D813		28.88	None	
		Total		80.62	1.00	
Alameda County WD	SBA reaches 7-8	D814		42.00	1.00	
Santa Clara Valley WD	SBA reach 9	D815		100.00	4.00	
Oak Flat WD	CA reach 2A	D802	5.70		None	
County of Kings	CA reach 8C	D847	9.00		None	
Dudley Ridge WD	CA reach 8D	D849	57.34		1.00	
Empire West Side ID	CA reach 8C	D846	3.00		1.00	
Kern County Water Agency	CA reaches 3, 9-13B	D851	600.61	134.60	None	
	CA reaches 14A-C	D859	111.68		180.00	
	CA reaches 15A-16A	D863	62.77		None	
	CA reach 31A	D867	73.07		None	
		Total		848.13	134.60	None
Tulare Lake Basin WSD	CA reaches 8C-8D	D848	96.23		15.00	
San Luis Obispo Co. FC&WCD	CA reaches 33A-35	D869		25.00	None	
Santa Barbara Co. FC&WCD	CA reach 35	D870		45.49	None	
Antelope Valley-East Kern WA	CA reaches 19-20B, 22A-B	D877		141.40	1.00	
Castaic Lake WA	CA reach 31A	D868	12.70		1.00	
	CA reach 30	D896		82.50	None	
		Total	12.70	82.50	1.00	
Coachella Valley WD	CA reach 26A	D883		133.10	2.00	
Crestline-Lake Arrowhead WA	CA reach 24	D25		5.80	None	
Desert WA	CA reach 26A	D884		54.00	5.00	
Little Rock Creek ID	CA reach 21	D879		2.30	None	
Mojave WA	CA reaches 19, 22B-23	D881		75.80	None	

Table 3. SWP South-of-the-Delta - OCAP Study 8.0 - Future

SWP CONTRACTOR	Geographic Location	CALSIM II Diversion	Table A Amount (TAF)		Article 21 Demand (TAF/mon)	Losses (TAF/yr)
			Ag	M&I		
Metropolitan WDSC	CA reach 26A	D885		778.13	45.35	
	CA reach 30	D895		719.66	37.40	
	CA reaches 28G-H	D899		410.31	13.80	
	CA reach 28J	D27		3.40	3.45	
	Total			1911.50	100.00	
Palmdale WD	CA reaches 20A-B	D878		21.30	None	
San Bernardino Valley MWD	CA reach 26A	D886		102.60	None	
San Gabriel Valley MWD	CA reach 26A	D887		28.80	None	
San Gorgonio Pass WA	CA reach 26A	D888		17.30	None	
Ventura County FCD	CA reach 29H	D28		3.15	None	
	CA reach 30	D29		16.85	None	
	Total			20.00		
SWP Losses	CA reaches 1-2	D803				7.70
	CA reach 3	D824				10.80
	CA reach 4	D826				2.60
	CA reach 5	D827				3.90
	CA reach 6	D828				1.20
	CA reach 7	D829				1.60
	CA reaches 8C-13B	D854				11.90
	Wheeler Ridge PP and CA reaches 14A-C	D862				3.60
	Chrisman PP and CA reaches 15A-18A	D864				1.80
	Pearblossom PP and CA reaches 17-21	D880				5.10
	Mojave PP and CA reaches 22A-23	D882				4.00
	REC and CA reaches 24-28J	D889				1.40
	CA reaches 29A-29F	D891				1.90
	Castaic PWP and CA reach 29H	D893				3.10
	REC and CA reach 30	D894				2.40
SBA reaches 1-9	D816				0.60	
Total						63.60
Total			1032.10	3024.11	312.00	63.60

Table 4. CVP North-of-the-Delta - OCAP Study 8.0 - Future

CVP CONTRACTOR	Geographic Location	CALSIM II Diversion	CVP Water Service Contracts (TAF/yr)		Settlement / Exchange Contractor (TAF/yr)	Water Rights/Non-CVP(TAF/yr)	Level 2 Refuges ^a (TAF/yr)
			AG	M&I			
Anderson Cottonwood ID	Sacramento River Redding Subbasin	D104A			128.0		
Clear Creek CSD		D104B	13.8	1.5			
Bella Vista WD		D104C	22.1	2.4			
Shasta CSD		D104D		1.0			
Sac R. Misc. Users		D104F			3.4		
Redding, City of		D104G			21.0		
City of Shasta Lake		D104H	2.5	0.3			
Mountain Gate CSD		D104I		0.4			
Shasta County Water Agency		D104J	0.5	0.5			
Redding, City of/Buckeye		D104K		6.1			
Total		D104	38.9	12.2	152.4		0.0
Corning WD		Corning Canal	D171	23.0			
Proberta WD	D171		3.5				
Thomes Creek WD	D171		6.4				
Total			32.9	0.0	0.0		0.0
Kirkwood WD	Tehama-Colusa Canal	D172	2.1				
Glide WD		D174	10.5				
Kanawha WD		D174	45.0				
Orland-Artois WD		D174	53.0				
Colusa, County of		D178	20.0				
Colusa County WD		D178	62.2				
Davis WD		D178	4.0				
Dunnigan WD		D178	19.0				
La Grande WD		D178	5.0				
Westside WD		D178	65.0				
Total		285.8	0.0	0.0		0.0	
Sac. River Misc. Users	Sacramento River	D113A			1.5		
Glenn Colusa ID	Glenn-Colusa Canal	D143A			825.0		
Sacramento NWR		D143B					53.4
Delevan NWR		D145B					24.0
Colusa NWR		D145B					28.8
Colusa Drain M.W.C.	Colusa Basin Drain	D180 D182A/ D18302			70.0		
Total			0.0	0.0	895.0		106.2

Table 4. CVP North-of-the-Delta - OCAP Study 8.0 - Future

CVP CONTRACTOR	Geographic Location	CALSIM II Diversion	CVP Water Service Contracts (TAF/yr)		Settlement / Exchange Contractor (TAF/yr)	Water Rights/Non-CVP(TAF/yr)	Level 2 Refuges ^a (TAF/yr)
			AG	M&I			
Princeton-Cordova-Glenn ID	Sacramento River	D122A			67.8		
Provident ID		D122A			54.7		
Maxwell ID		D122A			18.0		
		D122B					
Sycamore Family Trust		D122B			31.8		
Roberts Ditch IC		D122B			4.4		
Sac R. Misc. Users		D122A			4.9		
		D122B			9.5		
Total			0.0	0.0	191.2		0.0
Reclamation District 108	Sacramento River	D122B			232.0		
		D129A					
River Garden Farms		D129A			29.8		
Meridian Farms WC		D128			35.0		
Pelger Mutual WC		D128			8.9		
Reclamation District 1004		D128			71.4		
Carter MWC		D128			4.7		
Sutter MWC		D128			226.0		
Tisdale Irrigation & Drainage Co.		D128			9.9		
		D128			103.4		
Sac R. Misc. Users		D129A			0.9		
Feather River WD export		D128	20.0				
Total				20.0	0.0	722.1	
Sutter NWR	Sutter bypass water for Sutter NWR	C136B					25.9
Gray Lodge WMA	Feather River	C216B					41.4
Butte Sink Duck Clubs		C221					15.9
Total			0.0	0.0	0.0		83.2

Table 4. CVP North-of-the-Delta - OCAP Study 8.0 - Future

CVP CONTRACTOR	Geographic Location	CALSIM II Diversion	CVP Water Service Contracts (TAF/yr)		Settlement / Exchange Contractor (TAF/yr)	Water Rights/Non-CVP(TAF/yr)	Level 2 Refuges ^a (TAF/yr)
			AG	M&I			
Sac R. Misc. Users	Sacramento River	D163			56.8		
City of West Sacramento		D165			23.6		
Total				0.0	0.0	80.4	
Sac R. Misc. Users	Lower Sacramento River	D162A			4.8		
Natomas Central MWC		D162B			120.2		
Pleasant Grove-Verona MWC		D162C			26.3		
City of Sacramento (PCWA)		D162D				81.8	
PCWA (Water Rights)		D162E				60.0	
Total					151.3	141.8	
City of Vallejo	City of Vallejo	D403A		16.0			
CCWD ^c	Contra Costa County	D408		195.0 ^c			
Total				211.0			
Total CVP North-of-Delta			377.6	223.2	2193.8	141.8	189.4

^a Level 4 Refuge water needs are not included.

^b Refer to Table 7 for more information

^c The new Los Vaqueros module in CALSIM II is used to determine the range of demands that are met by CVP contracts or other water rights.

Table 5. CVP and Water Rights for American River - OCAP Study 8.0 - Future

CVP CONTRACTOR	Geographic Location	CALSIM II Diversion	CVP Water Service Contracts (TAF/yr)		Settlement/ Exchange Contractor (TAF/yr)	Water Rights/ Non-CVP (TAF/yr)	Folsom Unimpaired Inflow (FUI) (TAF/yr)			Foot-notes (on following page)	
			AG	M&I			If FUI (Mar-Nov Folsom Unimpaired Inflow - TAF/yr)				
							> 1600	> 950	< 400		
Placer County Water Agency	Auburn Dam Site	D300		0.0		35.5	35.5	35.5	35.5	1/2/3	
City of Folsom (includes P.L. 101-514)	Folsom Reservoir	D8B		7.0		27.0	34.0	34.0	34.0	1/2/3	
Folsom Prison		D8C				5.0	5.0	5.0	5.0		
San Juan Water District (Placer County)		D8D				24.0	24.0	24.0	24.0	1/2/3/10	
San Juan Water District (Sac County) (includes P.L. 101-514)		D8E		24.2		33.0	57.2	57.2	57.2	1/2/3	
El Dorado Irrigation District		D8F		7.55		17.0	24.55	24.55	22.55	1/2/3	
City of Roseville		D8G		32.0		0.0	32.0	32.0	32.0	1/2/3/10	
Placer County Water Agency		D8H		35.0			35.0	35.0	35.0		
El Dorado County (P.L. 101-514)		D8I		15.0			15.0	15.0	15.0		
Total				0.0	120.8	0.0	106.0	226.8	226.8	224.8	
So. Cal WC/ Arden Cordova WC		Folsom South Canal	D9AA				5.0	5.0	5.0	5.0	
California Parks and Recreation	D9AB			5.0			5.0	5.0	5.0		
SMUD (export)	D9B			30.0		15.0	45.0	45.0	45.0	1/2/3	
Canal Losses	D9A					1.0	1.0	1.0	1.0		
Total				0.0	35.0	0.0	21.0	56.0	56.0	56.0	
City of Sacramento	Lower American River	D302A & D167A				230.0	230.0	230.0	50.0	6/7/8	
Arcade Water District		D302B				0.0	0.0	0.0	0.0	13	
Carmichael Water District		D302C				12.0	12.0	12.0	12.0		
Total				0.0	0.0	0.0	242.0	242.0	242.0	62.0	
Sacramento County Water Agency (SMUD transfer)		D167B/D168B		30.0			30.0	30.0	30.0	9	
Sacramento County Water Agency (P.L. 101-514)		D168B		15.0			15.0	15.0	15.0	9	
Sacramento County Water Agency - assumed Appropriated Water		D168B								9,11	
EBMUD (export)		D168C		133.0			133.0			12	
Total				0.0	178.0	0.0	0.0	178.0	45.0	45.0	
Total			0.0	333.8	0.0	404.5	738.3	605.3	423.3		

Table 5. CVP and Water Rights for American River - OCAP Study 8.0 - Future

- 1/ *Wet/average years for this diverter are defined as those years when the projected March through November unimpaired inflow to Folsom Reservoir is greater than 950 TAF*
- 2/ *Drier years for this diverter are defined as those years when the projected March through November unimpaired inflow to Folsom Reservoir is less than 950 TAF but greater than 400 TAF*
- 3/ *Driest years for this diverter are defined as those years when the projected March through November unimpaired inflow to Folsom Reservoir is less than 400 TAF*
- 4/ *Wet/average years for this diverter are defined as those years when the projected March through November unimpaired inflow to Folsom Reservoir is greater than 1,600,000 af.*
- 5/ *Drier years for this diverter are defined as those years when the projected March through November unimpaired inflow to Folsom Reservoir is less than 1,600 TAF*
- 6/ *Diversions for the City of Sacramento occur at the E. A. Fairbairn Water Treatment Plant if American River flows exceed the "Hodge flows H Street criteria" (Wet to Normal).*
- 7/ *Diversions for the City of Sacramento occur off the Sacramento River when American River flows do not exceed the "Hodge flows H Street criteria".(Dry to Critical)*
- 8/ *For modeling purposes, it is assumed that the City of Sacramento's total annual diversions from the American River in year 2030 would be 230 TAF*
- 9/ *The total buildout demand for Sacramento County Water Agency is 108 TAF. Of this, an average of 68 TAF of surface water is needed annually, with the remaining 40 TAF/yr coming from groundwater supplies.*
- 10/ *Water Rights Water provided by releases from PCWA's Middle Fork Project; inputs into upper American River model must be consistent with these assumptions.*
- 11/ *SCWA targets 68 TAF of surface water supplies annually. The portion unmet by CVP contract water is assumed to come from two sources:
 - (1) *Delta "excess" water- averages 14.9 TAF annually, but varies according to availability. SCWA is assumed to divert excess flow in the Delta when it is available, and when it has the available pumping capacity.*
 - (2) *"Other" water- derived from transfers and/or other appropriated water, averaging 14 TAF annually but varying according to availability of Excess and CVP water.**
- 12/ *EBMUD CVP diversions are governed by the Amendatory Contract, stipulating:
 - (1) *133 TAF maximum diversion in any given year*
 - (2) *165 TAF maximum diversion amount over any 3 year period*
 - (3) *Diversions allowed only when EBMUD total storage drops below 500 TAF*
 - (4) *155 cfs maximum diversion rate**
- 13/ *Arcade WD demand was combined with the City of Sacramento demands.*

Table 6. CVP South-of-the-Delta - OCAP Study 8.0 - Future

CVP CONTRACTOR	Geographic Location	CALSIM II Diversion	CVP Water Service Contracts (TAF/yr)		Settlement / Exchange Contractor (TAF/yr)	Water Rights / Non-CVP (TAF/yr)	Level 2 Refuges ^a (TAF/yr)	Losses (TAF/yr)
			AG	M&I				
Byron-Bethany ID	Upper DMC	D700	20.6					
Tracy, City of		D700		10.0				
		D700		5.0				
		D700		5.0				
Banta Carbona ID		D700	20.0					
Total	D700	40.6	20.0	0.0	0.0	0.0	0.0	
Del Puerto WD	Upper DMC	D701	12.1					
Davis WD		D701	5.4					
Foothill WD		D701	10.8					
Hospital WD		D701	34.1					
Kern Canon WD		D701	7.7					
Mustang WD		D701	14.7					
Orestimba WD		D701	15.9					
Quinto WD		D701	8.6					
Romero WD		D701	5.2					
Salado WD		D701	9.1					
Sunflower WD		D701	16.6					
West Stanislaus WD		D701	50.0					
Patterson WD		D701	16.5			6.0		
Westlands WD #1 (Centinella WD)		D701	0.0					
Total		D701	206.7	0.0	0.0	6.0	0.0	0.0
Upper DMC Loss	Upper DMC	D702						18.5
Panoche WD	Lower DMC Volta	D706	6.6					
San Luis WD		D706	65.0					
Broadview WD		D706	0.0					
Laguna WD		D706	0.8					
Eagle Field WD		D706	4.6					
Mercy Springs WD		D706	2.8					
Westlands WD #2		D708	0.0					
Oro Loma WD		D706	4.6					
Westlands WD #1 (Widren WD)		D706	0.0					
Total		D706	84.4	0.0	0.0	0.0	0.0	0.0
Upper DMC Exchange Contractors	Lower DMC Volta	D707						
Central California ID		D707			140.0			
Grasslands via CCID	Lower DMC Volta	D708					81.8	
Los Banos WMA		D708					11.2	

Table 6. CVP South-of-the-Delta - OCAP Study 8.0 - Future

CVP CONTRACTOR	Geographic Location	CALSIM II Diversion	CVP Water Service Contracts (TAF/yr)		Settlement / Exchange Contractor (TAF/yr)	Water Rights / Non-CVP (TAF/yr)	Level 2 Refuges ^a (TAF/yr)	Losses (TAF/yr)
			AG	M&I				
Kesterson NWR	Lower DMC Volta	D708					10.5	
Freitas - SJBAP		D708					6.3	
Salt Slough - SJBAP		D708					8.6	
China Island - SJBAP		D708					7.0	
Volta WMA		D708					13.0	
Grassland via Volta Wasteway		D708					23.2	
Total		D708	0.0	0.0	0.0	0.0	161.5	0.0
Westlands WD (incl. Barcellos)	Mendota Pool	D607A	0.0					
Fresno Slough WD		D607A/D607B	4.0			0.9		
James ID		D607A/D607B	35.3			9.7		
Coelho Family Trust		D607A/D607B	2.1			1.3		
Tranquillity ID		D607A/D607B	13.8			20.2		
Tranquillity PUD		D607A/D607B	0.1			0.1		
Reclamation District 1606		D607A/D607B	0.2			0.3		
Exchange Contractors		D607B						
Central California ID		D607B			392.4			
Columbia Canal Co.		D607B			59.0			
Firebaugh Canal Co.		D607B			85.0			
San Luis Canal Co.		D607B			163.6			
M.L. Dudley Company		D607B				2.3		
Grasslands WD		D607C					31.3	
Los Banos WMA		D607C					12.4	
San Luis NWR		D607C					19.5	
Mendota WMA		D607C					27.6	
West Bear Creek NWR		D607C					7.5	
East Bear Creek NWR		D607C					8.9	
Losses		D607D						101.5
Total	D607	55.5	0.0	700.0	34.8	107.3	101.5	
San Benito County WD (Ag)	San Felipe	D710	35.6					
Santa Clara Valley WD (Ag)		D710	33.1					
Pajaro Valley WD		D710	6.3					
San Benito County WD (M&I)		D711		8.3				
Santa Clara Valley WD (M&I)		D711		119.4				
Total		D710/D711	74.9	127.7	0.0	0.0	0.0	0.0

Table 6. CVP South-of-the-Delta - OCAP Study 8.0 - Future

CVP CONTRACTOR	Geographic Location	CALSIM II Diversion	CVP Water Service Contracts (TAF/yr)		Settlement / Exchange Contractor (TAF/yr)	Water Rights / Non-CVP (TAF/yr)	Level 2 Refuges ^a (TAF/yr)	Losses (TAF/yr)	
			AG	M&I					
Cross Valley Canal - CVP	CA reach 14								
Fresno, County of		D855	3.0						
Hills Valley ID-Amendatory		D855	3.3						
Kern-Tulare WD		D855	40.0						
Lower Tule River ID		D855	31.1						
Pixley ID		D855	31.1						
Rag Gulch WD		D855	13.3						
Tri-Valley WD		D855	1.1						
Tulare, County of		D855	5.3						
Kern NWR		D856					11.0		
Pixley NWR		D856					1.3		
Total				128.3	0.0	0.0	0.0	12.3	0.0
Total CVP South-of-Delta				1936.9	164.2	840.0	44.3	281.1	183.7

^a Level 4 Refuge water needs are not included

Table 7. - Sacramento River Miscellaneous Users Breakdown by CALSIM II Arc locationa - OCAP Study 8.0 - Future

CVP CONTRACTOR	CALSIM II Representation			Geographic Location		Settlement Contractor Supply (AF/year)			
	Diversion	DSA	WBA	River Mile	Bank (Left, Right)	Base	Project	Total	
Riverview Golf & Country Club	D104F	58	3	240.8	L	255	25	280	
Daniell, Harry				240.3	L	13	7	20	
Redding Rancheria (Fmrly High-Low Nursery)				240.2	L	70	135	205	
Lake Cal. Property Owners Assn			2	221	R	580	200	780	
Leviathan, Inc.				221	R	355	345	700	
Driscoll Strawberry Associates, Inc.				207.5	L	330	490	820	
J. B. Unlimited, Inc.			3	197	L	220	290	510	
Micke, Daniel & Nina				196.6	L	81	19	100	
Gjermann, Hal				196.55	L	8	4	12	
Total			D104F					1,912	1,515
Meyer, Herbert (Fmrly Diamond Holdings, Inc.)	D113A	58	4	191.5	R	195	230	425	
Exchange Bank (The Nature Conservancy)				168.85	R	210	570	780	
Rubio, Exequiel (Fmrly Elliott&Hadracky)				166.8	R	11	5	16	
Penner, Roger & Leona				156.8	R	159	21	180	
Freeman, Vola				156.1	R	11	19	30	
Mclane, Robert				155.6	R	17	23	40	
Alexander, Thomas Et Ux				155.6	R	9	13	22	
Total				D113A					612
Green Valley Corp. (Fmrly Cannell, F.)	D122A	15	8NN	106	R	680	210	890	
Green Valley Corp. (Fmrly Stegeman Ranch)				106	R	555	325	880	
Tuttle, Charles W. - Trust				103.9	R	120	270	390	
Cachil Dehe Band Of Wintun Indians(Lee Farms)				103.7	R	80	100	180	
Seaver, Charles				99.3	R	200	260	460	
Odysseus Farms				93.15	R	1,920	150	2,070	
Total				D122A					3,555
King, Ben And Laura (Fmrly Dommer, E.)	D122B	15	8NS	89.2	R	12	7	19	
King, Laura				89.2	R	13	13	26	
Wisler, John W. Jr. (Fmrly Cribari, E.)				88	R	8	27	35	
Mehrhof, Susan M.(fmrly.Swinford Tract)				87.7	R	164	16	180	
Steidlmayer, Anthony E., Et Al.				83	R	610	700	1,310	
Jansen, Peter & Sandy (Fmrly E. J. Ritchey)				70.4	R	150	40	190	
Gillaspy, William & Mary (Fmrly Fay Gillaspy)				70.4	R	120	90	210	
Beckley, Ralph, And Ophelia				70.4	R	165	135	300	
Driver, Gary, Et Al.				69.2	R	8	22	30	
Heidrick, Mildred M.				30.6	R	86	34	120	
Tenhunfeld, F. Wallace, Jack, Et Al.		65	29.7	R	2,680	960	3,640		
Heidrick, Mildred M.			29.2, 30.3	R	370	60	430		
Hershey Land Company			28.1	R	2,570	450	3,020		
Total			D122B					6,956	2,554

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CVP CONTRACTOR	CALSIM II Representation			Geographic Location		Settlement Contractor Supply (AF/year)		
	Diversion	DSA	WBA	River Mile	Bank (Left, Right)	Base	Project	Total
Pacific Realty Assoc., L.P. (M&T Chico Ranch)	D128	15	9	140.8, 141.5	L	16,980	976	17,956
Spence, Ruth Ann (Spence Farms)				104.8	L	630	100	730
Anderson, Arthur Et Al (Frmrly Westfall, Mary)				102.5	L	445	45	490
Forry, Laurie E.				99.8	L	2,285	0	2,285
Otterson, Mike (Frmrly Wells Joyce M.)				98.9	L	1,515	300	1,815
Nene Ranch, Llc (Frmrly Hollins, Mariette B.)				98.6	L	1,360	200	1,560
Griffin, Josphe, Et Al.				95.8	L	1,610	1,150	2,760
Baber, Jack Et Al.				95.6	L	3,630	2,630	6,260
Eastside Mwc (Frmrly A&F Boeger Corp.)				95.25	L	2,170	634	2,804
Zelmar Ranch, Inc. (Frmrly Martin, Andrew)				92.5	L	112	52	164
Gomes, Judith (Frmrly. Martin, Andrew)				92.5	L	168	78	246
Butte Creek Farms				89.26	L	20	16	36
Butte Creek Farms				89.24	L	40	55	95
Butte Creek Farms (Frmrly Mayfair Farms)				88.7	L	196	8	204
Butte Creek Farms(Area 1)				88.7	L	300	340	640
Howard, Theordore W. And Linda M.				88.7	L	74	2	76
Locvich, Paul				88.2	L	80	70	150
Ehrke, Allen A. Et Ux				86.8	L	220	160	380
Fedora, Sib Et Al.			82.7	L	190	20	210	
Reische, Laverne Et Ux			82.5	L	183	267	450	
Reische, Eric			82.5	L	37	53	90	
Tarke, Stephen & Debra			81.5	L	1,700	1,000	2,700	
Churkin, Michael, Et Al.			79.5	L	75	55	130	
Eggleston, Ronald Et Ux			79	L	53	12	65	
Hale, Judith Et Al.			79	L	117	13	130	
Hale, Judith Et Al.			79	L	58	17	75	
Pires, Lawrence And Beverly			77.9	L	185	95	280	
Davis, Ina M.			76.2	L	71	14	85	
Chesney, Adona (R & A, Bypass Trust)			76.15	L	310	390	700	
Andreotti, Beverly F., Et Al.			72.1	L	2,060	1,560	3,620	
Mclaughlin, Jack			72	L	430	220	650	
Lomo Cold Storage (& J. J. Micheli)			67.5	L	6,410	700	7,110	
Anderson, R And J, Prop.			67.1	L	149	88	237	
Lonon, Michael Et Al.			67.1	L	715	440	1,155	
Oji Brothers Farm, Inc.			63.9	L	1,340	1,860	3,200	
Young, Russell, Et Al.			63.3	L	2	8	10	
Sekhon, Arjinderpal & Daljit			62.3	L	350	470	820	
Butler, Leslie A., Et Ux			60.5, 61.8	L	180	280	460	
Howald Farms Inc.			60.4	L	1,350	1,410	2,760	
Kary, Carol			59.8	L	400	600	1,000	

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CVP CONTRACTOR	CALSIM II Representation			Geographic Location		Settlement Contractor Supply (AF/year)		
	Diversion	DSA	WBA	River Mile	Bank (Left, Right)	Base	Project	Total
Dennis Wilson Farms (Frmrly M&L Farms (Area 1))	D128	15	19	58.9	L	295	60	355
Lockett, William P. & Jean B.				58.3	L	370	47	417
O'brien, Janice				58.3	L	550	289	839
Wirth, Marilyn L. (Frmrly Davis, Marilyn)				57.75	L	180	340	520
Bardis, C. Et Al 9(Reynen/Broomieside Farms)				55.1	L	8,070	2,000	10,070
Wakida, Tomio				53.9	L	50	275	325
Wakida, Tomio				52.3	L	25	135	160
Nelson, Thomas L., Et Ux				52	L	38	98	136
Rauf, Abdul & Tahmina (Frmrly Forster, J.)				50	L	2,450	710	3,160
Hiatt, Thomas(Hiatt Family Trust)				49, 49.7	L	947	538	1,485
Hiatt, Thomas(IIlerich, Phillip)				49	L	372	212	584
Oji, Mitsue Family Partnership				48.7	L	3,430	1,310	4,740
Henle, Thomas N.				46.5	L	935	0	935
Windswept Land&Livestock Co. (P. Burroughs)				44.2, 45.6, 46.45	L	4,040	0	4,040
Schreiner, Joe & Cleo				38.8	L	180	20	200
Munson, James T., Et Ux			37.75	L	70	85	155	
Klsy, Llc (Frmrly Mirbach-Harff Antonius)			37.2	L	80	90	170	
Driver, John A. & Clare M.			36.45	L	150	80	230	
Driver, John A. & Clare M.			36.45	L	6	10	16	
Quad-H Ranches, Inc.			36.2	L	190	310	500	
Giusti, Richard, Et Al.			36.2	L	850	760	1,610	
Drew, Jerry			35.85	L	24	12	36	
Jaeger, William, Et Al.					385	485	870	
Morehead, Joseph Et Ux					115	140	255	
Heidrick, Joe Jr.			33.75	L	360	200	560	
Leiser, Dorothy L.			33.75	L	36	24	60	
Mcm Properties Inc			33.75	L	860	610	1,470	
Richter, Henry D. (Richter Brothers, Et Al.)			33.2	L	1,750	1,030	2,780	
Furlan, Emile, Et Ux			32.5, 33.2	L	570	350	920	
Byrd, Anna C. And Osborne, Jane			26.8, 30.5	L	1,055	200	1,255	
Total	D128					76,633	26,808	103,441
Edson, Wallace L. & Mary O. *	D129A	65	8S	33.85	R	40	64	104
Driver, William A.(Frmrly Collier, T.)				32.5	R	54	106	160
Driver, Gregory E.(Frmrly Collier, T.)				32.5	R	54	106	160
Giovannetti, B.E. & Mary				31.5	R	470	50	520
Total	D129A					618	326	944

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	Diversion	DSA	WBA	River Mile	Bank (Left, Right)	Base	Project	Total
Odysseus Farms Prtnrshp.(Frmrly Leal, Robert)	D162A	70	N/A	19.6	L	220	410	630
Cummings, Wm. (Frmrly Verona Farming Prtnrshp)				18.7	L	180	120	300
Lauppe, Burton And Kathryn				18.45	L	720	230	950
Natomas Basin Conservancy				18.2	L	221	269	490
E.L.H. Sutter Properties, Inc.				18.2	L	12	28	40
Lauppe, Burton And Kathryn				18.2	L	153	197	350
Siddiqui, J.&A.T.				10.75	L	110	20	130
Willey, Edwin, Mr. And Mrs.				10.75	L	75	20	95
Siddiqui, Javed&Amna (Et Al.&Fmly.Partnshp.)				10.25	L	860	200	1,060
Sacramento, County Of				9.3	L	520	230	750
Total				D162A				
Sacramento River Ranches(Fmrly Deseret Farms)	D163	65	N/A	16.6, 17.0, 22.5	R	4,000	0	4,000
Knaggs Walnut Ranches Co. Lp				16.1	R	630	0	630
Conway Preservation Group				12	R	50,190	672	50,862
Wilson Ranch Partnership				11.1	R	370	0	370
Reclamation Dists. 900 And 1000 (Frm.Amen,H.)				9.35	R	281	123	404
Riverby Limited Partnership				5.25	R	470	30	500
Total	D163					55,941	825	56,766
Total						149,298	35,948	185,246

^a Source: Settlement contractor data provided by Reclamation