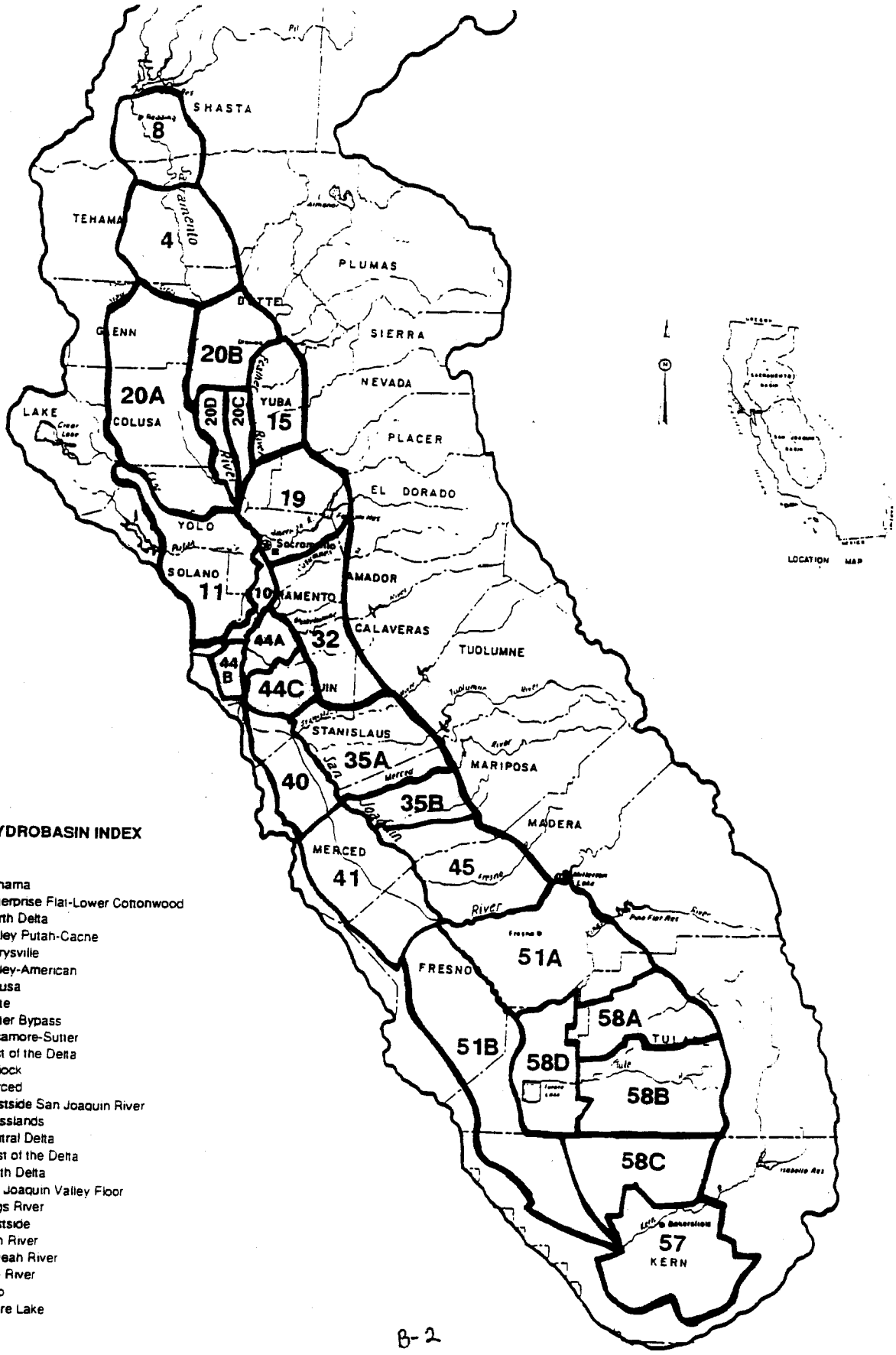
HYDROBASINS WITHIN THE
CENTRAL VALLEY, CALIFORNIA

4	Tehama
8	Enterprise Flat-Lower Cottonwood
10	North Delta
11	Valley Putah-Cache
15	Marysville
19	Valley-American
20A	Colusa
20B	Butte
20C	Sutter Bypass
20D	Sycamore-Sutter
32	East of the Delta
35A	Turlock
35B	Merced
40	Westside San Joaquin River
41	Grasslands
44A	Central Delta
44B	West of the Delta
44C	South Delta
45	San Joaquin Valley Floor
51A	Kings River
51B	Westside
57	Kern River
58A	Kaweah River
58B	Tule River
58C	Poso
58D	Tulare Lake

Figure 1.

Location of Drainage Basins within the Central Valley, California for the Inland Surface Waters Plan.



HYDROBASIN INDEX

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SUMMARY OF CHANNELS DOMINATED BY AGRICULTURAL ACTIVITIES

DRAINAGE AREA	# AGENCY REPORTS	CATEGORY (b) # WATER BODIES	CATEGORY (b) LENGTH (MILES)	CATEGORY (c) # WATER BODIES	CATEGORY (c) LENGTH (MILES)
SACRAMENTO					
Drainage Basin 4	2	0	0	1	21
Drainage Basin 11	19	18	190	395	832
Drainage Basin 15	14	15	83	130	387
Drainage Basin 19	4	8	54	267	530
Drainage Basin 20A	18	14	75	1152	1738
Drainage Basin 20B	9	8	120	213	516
Drainage Basin 20C	17	5	19	262	517
Drainage Basin 20D	10	0	0	65	621
Subtotal:	93	68	541	2485	5160
SAN JOAQUIN					
Drainage Basin 35A	6	7	81	441	1707
Drainage Basin 35B	8	17	180	513	905
Drainage Basin 40	25	6	67	107	280
Drainage Basin 41	20	7	141	380	1174
Drainage Basin 45	4	9	70	274	624
Subtotal:	63	46	538	1715	4689
DELTA					
Drainage Basin 10	17	1	5	230	585
Drainage Basin 32	8	7	92	59	123
Drainage Basin 44A	36	0	0	252	560
Drainage Basin 44B	2	3	15	23	56
Drainage Basin 44C	7	2	14	225	225
Subtotal:	70	13	126	789	1548
TULARE LAKE	109	28	268	1068	6460
FOOTHILLS	24	5	39	234	661
Area Subtotal:	359	160	1512	6291	18519
MAJOR WATERWAYS	5	0	0	28	1293
TOTAL:	**364**	**160**	**1512**	**6319**	**19812**

SUMMARY OF CHANNELS DOMINATED BY AGRICULTURAL ACTIVITIES

DRAINAGE AREA	CATEGORY (b1)		CATEGORY (b2)		CATEGORY (c1)		CATEGORY (c2)		CATEGORY (c3)	
	# WATER BODIES	LENGTH (MILES)	# WATER BODIES	LENGTH (MILES)	# WATER BODIES	LENGTH (MILES)	# WATER BODIES	LENGTH (MILES)	# WATER BODIES	LENGTH (MILES)
SACRAMENTO										
Drainage Basin 4	0	0	0	0	0	0	1	21	0	0
Drainage Basin 11	15	131	11	67	212	438	176	342	7	51
Drainage Basin 15	5	19	12	82	52	69	69	288	9	30
Drainage Basin 19	7	49	1	5	100	210	160	307	7	13
Drainage Basin 20A	15	69	0	0	633	773	494	756	25	208
Drainage Basin 20B	8	84	3	49	101	219	109	264	3	33
Drainage Basin 20C	5	19	0	0	195	203	61	173	6	140
Drainage Basin 20D	0	0	0	0	9	248	53	364	3	9
Subtotal:	55	371	27	203	1302	2160	1123	2516	60	484
SAN JOAQUIN										
Drainage Basin 35A	6	74	2	7	203	613	237	1077	1	17
Drainage Basin 35B	6	50	12	135	55	78	450	788	8	39
Drainage Basin 40	6	39	1	72	40	62	63	196	4	23
Drainage Basin 41	7	74	2	16	198	499	181	668	1	7
Drainage Basin 45	3	5	7	60	14	45	260	579	0	0
Subtotal:	28	241	24	290	510	1296	1191	3307	14	86
DELTA										
Drainage Basin 10	0	0	1	5	169	481	61	103	0	0
Drainage Basin 32	2	15	6	77	7	19	52	104	0	0
Drainage Basin 44A	0	0	0	0	188	263	64	297	0	0
Drainage Basin 44B	2	6	1	9	7	19	16	38	0	0
Drainage Basin 44C	0	0	2	14	137	126	88	99	0	0
Subtotal:	4	21	10	105	508	908	281	641	0	0
TULARE LAKE	8	29	10	144	43	1792	998	4484	27	184
FOOTHILLS	4	32	1	7	8	47	226	614	0	0
Area Subtotal:	87	633	61	598	2371	6203	3819	11562	101	753
MAJOR WATERWAYS	0	0	0	0	8	269	20	1025	0	0
TOTAL:	**87**	**633**	**61**	**598**	**2379**	**6472**	**3839**	**12587**	**101**	**753**

* Some water bodies may be included in more than one category at different times of the year due to recycling.

As of September 1992

The footnotes listed below are used throughout the following tables

FOOTNOTES

WATER QUALITY CONCERNS:

1 = excess sediment in tailwater
2 = elevated TDS concentrations
3 = elevated boron concentrations
4 = elevated selenium concentrations
5 = elevated molybdenum concentrations
6 = pesticides
7 = fertilizers
8 = sewage
9 = dairy waste
10 = urban storm runoff
11 = elevated arsenic concentrations
12 = elevated chromium concentrations
13 = elevated mercury concentrations
14 = treated waste water

WATER TYPE:

WT = wetland discharge
WW = waste water treatment plant effluent
Tail = agricultural tail water
Tile = agricultural tile water
U = urban storm runoff
NF = natural flood flows
OP = operational spill
GW = ground water
SW = surface water
DW = dairy waste

CONSTRUCTION:

E = earthlined
C = concrete lined
P = pipeline

THE DELTA BASINS

The Delta area has been divided into five basins. They are Drainage Basin No. 10, 32, 44A, 44B and 44C. The tidal characteristics of the Delta area are dominant in the North Delta (Basin 10), Central Delta (Basin 44A) and South Delta (Basin 44C) Basins. The areas west of the Delta (Basin 44B) draw water for irrigation mostly from the Delta. The basin east of the Delta (Basin 32) contains water districts which drain from the eastside of the valley into the Delta basins.

The Delta Basins that are influenced by tidal action have unique characteristics. These basins contain highly organic soils and are typically islands surrounded by channels of water. These waters are fed primarily by the Sacramento and San Joaquin Rivers. Water in the Delta meanders through sloughs, cuts, canals and channels. The direction of these flows depends on inflow volumes, tides, export pumping, diversions and other factors. Because of these characteristics, the water bodies do not easily fit the descriptions in the Inland Surface Waters Plan.

An argument can be made for a separate classification system for these Delta Basins. Few water bodies in these Basins are agricultural supply or drainage dominated. Many of the channels in the Delta have been constructed and dredged partially for agriculture but none would fall into category (b) designation. These major water bodies have not been classified as category (b) because of tidal influences and difficulties fitting them into the classification scheme.

Since many of the Delta islands are lower than surrounding lands, water supply methods differ from other irrigated lands in the Central Valley. Rather than a network of canals which supply water to a number of growers, irrigation is typically accomplished by the siphoning of the surrounding water by individual farms. More than 1,800 siphons divert water for crop and livestock production (State Lands Commission, 1991 and DWR 1987). Drainage is almost entirely surface (tail) water with little subsurface (tile) water.

Reclamation districts, found throughout the Delta, are responsible for the system of levees which protect the islands. These districts provided much of the data on drainage. Irrigation supply is the responsibility of individual farms. Therefore, information on water supply canals and irrigation systems may be lacking.

REFERENCES:

State Lands Commission, 1991. *Delta-Estuary California Inland Coast, A Public Trust.* 208 pp.
Department of Water Resources, 1987. *Sacramento-San Joaquin Delta Atlas.* 71 pp.

TABLE 1 - C1

MAJOR CONSTRUCTED AGRICULTURAL DRAINAGE WATER FACILITIES
WITHIN THE CENTRAL VALLEY OF CALIFORNIA

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Natomas Cross Canal	E	5.0		Sac River,Tail,NF	Jan - Dec	2,3,4
Colusa Basin Drain	E	75.0		Tail,NF	Jan - Dec	2,3,4
Knights Landing Ridge Cut	E	6.0		NF	Jan - Dec	2,3,4
Yolo Bypass	E	16.5		Tail,NF	Jan - Dec	2,3,4
Tisdale Bypass	E	4.5		NF	Jan - Dec	2,3,4
Sutter Bypass	E	32.0		Sac River,Tail,NF	Jan - Dec	2,3,4
Eastside Bypass	E	45.0		Tail,NF	Jan - Dec	2,3,4
San Luis Drain	C	84.8		GW	Oct - Apr	1,2,3,4

TABLE 1 - C2

MAJOR CONSTRUCTED AGRICULTURAL WATER TRANSPORT FACILITIES
WITHIN THE CENTRAL VALLEY OF CALIFORNIA

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Natomas Cross Canal	E	5		Sac River, Tail		
Tehema-Colusa Canal	C	110.9		Sac River	Jan - Dec	
Glenn-Colusa Canal		66		Sac River		
California Aquaduct	C	300+		Delta		
Folsom-South Canal	C	26.8			Jan - Dec	
Delta Mendota Canal	EC	116		Friant Dam, Fresno River	Jan - Dec	
Madera Canal		36			Feb - Sep	
Friant-Kern Canal	EC	151.8			Jan - Dec	
Cross Valley Canal		20				
Coalinga Canal	C	14.6			Jan - Dec	
Columbia-Mowry Fac.	EC	1.1			Feb - Sep	
Funks Reservior	E				Jan - Dec	
Corning Canal	E	21.1		Sac River	Jan - Dec	
San Benito System	P	14.3		San Luis Reservoir	Jan - Dec	
Delta Cross Channel	E	1.2		Delta		
Clear Creek Tunnel	C	10.8		Clear Creek		
Spring Creek Power Cond.	C	3		Sac River		
Cow Creek Unit		70				
Toyon Pipeline	P	6				
Clear Creek South Unit		50		Clear Creek		

DRAINAGE BASIN 4

Drainage Basin 4 consists of the valley floor in the northern section of the Sacramento River Basin. The approximately 600,000 acre area is distributed roughly one-third to the east and two-thirds to the west of the Sacramento River and stretches from Orland in the south to Red Bluff in the north. Although the Sacramento River flows year round, the majority of tributaries within this drainage basin are seasonal, primarily carrying natural flows between November and March.

A substantial portion of the drainage basin contains irrigated agriculture. Agricultural water supply west of the Sacramento River is provided by the Corning Canal, a facility constructed by the U.S. Bureau of Reclamation and operated by the Tehama-Colusa Canal Authority. The water originates from natural stream runoff impounded at Lake Shasta, is delivered via the Sacramento River to the Red Bluff Diversion Dam, and is then boosted 51 feet into the head of the Corning Canal.

Two water agencies, Proberto Water District and Corning Water District, representing approximately 17,500 acres along the west side provided information on the water bodies within their boundaries. Both districts use an underground pipeline system to distribute water from the Corning Canal to district users. Due to the shortage of available water, water conservation measures have been implemented to minimize runoff. Most growers in the districts utilize drip irrigation systems, while the small number that rely on flood irrigation have installed catch ponds or sumps at the end of their facilities to reclaim the runoff.

As a result of these conservation measure and several years of drought, creeks which traverse the districts remain dry throughout most of the irrigation season and cannot be considered agriculturally dominated.

No information was received from growers east of the Sacramento River; therefore, it is assumed that all waterbodies east of the River within Drainage Basin 4 are natural channels which were not dominated by agricultural return flows.

Basin 8 (Enterprise Flat-Lower Cottonwood)

(No reports were submitted for this basin)

DRAINAGE BASIN 10
NORTH DELTA

Delta Drainage Basin 10 encompasses the northern portion of the Sacramento-San Joaquin Delta. The Basin is west of the Sacramento River and Snodgrass Slough; south of the City of West Sacramento; east of the Sacramento River Deep Ship Channel, Cache Slough and the Sacramento River from Rio Vista to Antioch; and north of the San Joaquin, Mokelumne and S. Mokelumne Rivers and Hog Slough.

The North Delta Basin is strongly influenced by tidal action. Except for tidal effect, major rivers in the basin flow generally from north to south into Suisun Bay. The major rivers within the Basin are the Sacramento, Mokelumne and N. Mokelumne Rivers. San Joaquin and S. Mokelumne Rivers border the Basin on the south.

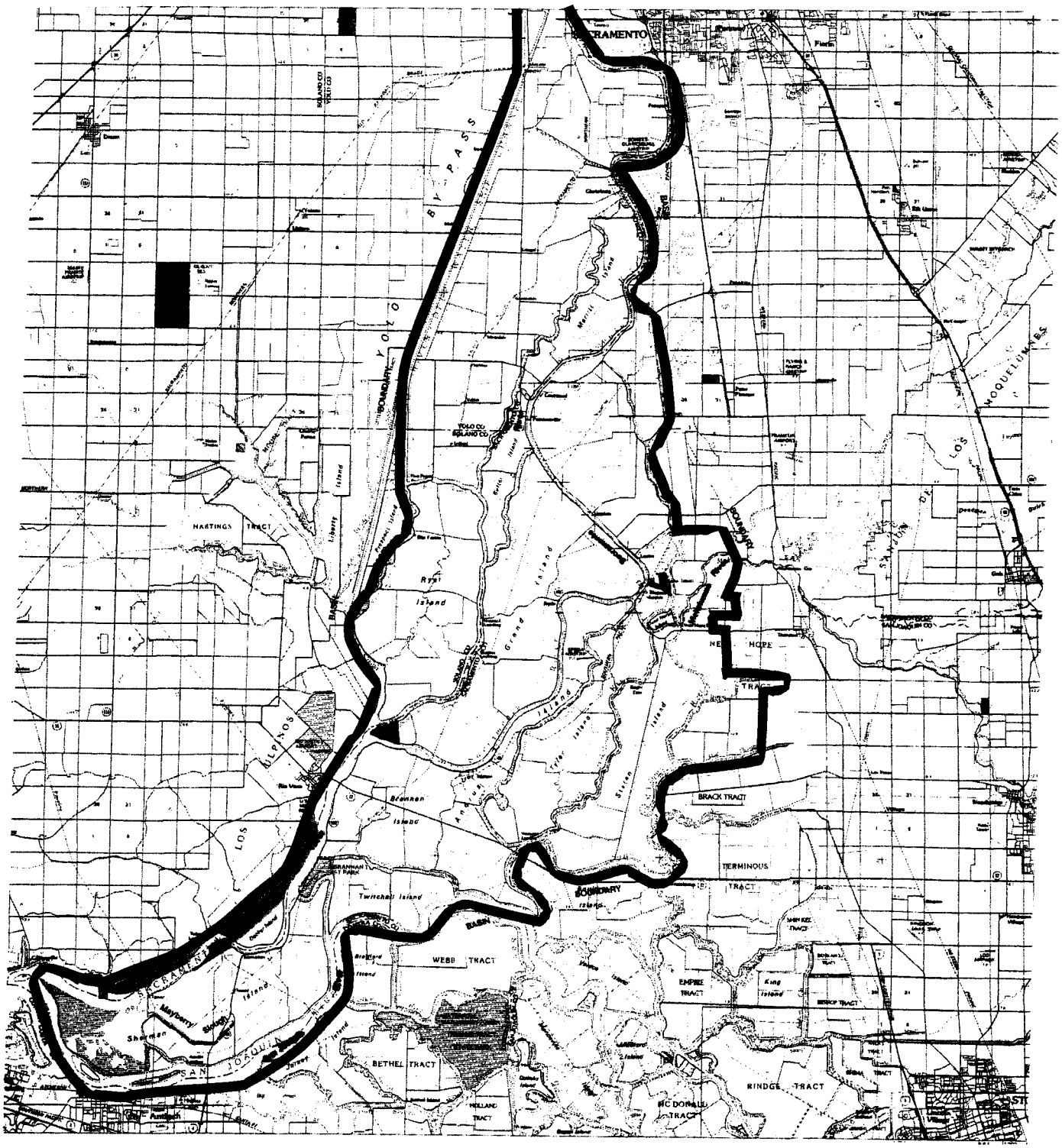
The Basin is highly dependent on the Sacramento River and its branches. Snodgrass, Georgiana, Steamboat, Miner, Elk, Babel and Oxford Sloughs connect the Sacramento River to agricultural lands in the North Delta Basin. Other supply sources in the Basin are Horseshoe Bend, Three Mile Slough, Mayberry Slough, Cache Slough and Stone Lakes. Supply water is typically diverted from these water bodies and return water is drained into them.

Most diversions for supply purposes are by siphoning water from adjacent water bodies. Many districts have an extensive canal or ditch delivery system. Most of the districts have a tail water return system which usually involves pumping discharges into the adjacent water bodies.

Few of the natural water bodies within the North Delta are dominated by either agricultural supply or drainage waters since the tidal influence and the vast volume of water flowing through the basin are more dominant than solely agricultural related flows. The man-made cuts and channels, if designed to carry agricultural return or supply, could fit into the category (c) water body classification. However, most of the cuts were designed for various purposes including navigation, flood control, levee enhancement, boundary locations, as well as for agricultural water supply purposes. Therefore, agricultural supply cannot, for these cuts, be considered a dominant use.

The Basin covers all of the following water, irrigation, reclamation and drainage agencies from which information on water bodies and agricultural facilities was received:

Reclamation District 765 (Glide District)
Reclamation District 999
Reclamation District 501 (Ryer Island)
Reclamation District 551 (Pearson)
Reclamation District 3 (Grand Island)
Reclamation District 554 (Walnut Grove)
Reclamation District 2110 (McCormack-Williamson Tract)
Reclamation District 2111 (Dead Horse Island)
Reclamation District 813 (Ehreardt Club)
Reclamation District 348 (New Hope Tract)



DRAINAGE BASIN 10

N

- BASIN BOUNDARY
- NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)
- NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)
- RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)
- NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 10 - C1

CONSTRUCTED DRAINS WITHIN DRAINAGE BASIN 10

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 765						
Glide District						
Main Drain	E	1.5	1,185	Tail	Jan - Dec	
RECLAMATION DIST 348						
New Hope Tract						
Privately owned Drainage Canals	E			Tail	Jan - Dec	
Pump 1 Drainage Canals	E	4.8		Tail	Jan - Dec	1
Pump 2 Drainage Canals	E	6.9		Tail	Jan - Dec	1
Pump 3 Drainage Canals	E	2.3		Tail	Jan - Dec	1
Pump 4 Drainage Canals	E	5.8		Tail	Jan - Dec	1
RECLAMATION DIST 341						
Sherman Island						
Pump Sta. 1 Drains	E	3.3		Tail	Jan - Dec	
Pump Sta. 2 Drains	E	3.7		Tail	Jan - Dec	
Pump Sta. 3 Drains	E	8.5		Tail, Tile	Jan - Dec	
Pump Sta. 4 Drains	E	1.7		Tail	Jan - Dec	
Pump Sta. 5 Drains	E	3.6		Tail	Jan - Dec	
RECLAMATION DIST 2086						
Canal Ranch						
Pump Sta. 1 Drains	E	19.4	2,996	Tail	Jan - Dec	
RECLAMATION DIST 2111						
Dead Horse Island						
Pump Sta. 1 Drains	E	1.3	211	Tail	Jan - Dec	
RECLAMATION DIST 563						
Tyler Island						
Pump Sta. 1 Drains	E	1.3		Tail	Jan - Dec	
Pump Sta. 2 Drains	E	1.3		Tail	Jan - Dec	
Pump Sta. 3 Drains	E	2.3		Tail	Jan - Dec	
Pump Sta. 4 Drains	E	3.4		Tail	Jan - Dec	
Pump Sta. 5 Drains	E	2.5		Tail	Jan - Dec	
RECLAMATION DIST 999			Tot. 26,135			
Laterals, Canals & Drainage	E	245.0		Tail	Jan - Dec	
Main Drains & Canal	E	15.0		Tail	Jan - Dec	
RECLAMATION DIST 38						
Staten Island						
South Discharge Pump	E			Tail		
East Discharge Pump	E			Tail		
RECLAMATION DIST 144						
Upper Andrus Island						
Drain System	E	7.0	2,154	Tail		
RECLAMATION DIST 554						
Walnut Grove						
Drain 1	E	1.5	170	Tail		
Drain 2	E	3.2	216	Tail		
Drain 3	E	1.5	158	Tail		
RECLAMATION DIST 501						
Ryer Island			Tot. 12,000			
West Canal*	E	7.2		Tail	Jan - Dec	
Elk Slough*	E	8.8		Tail	Jan - Dec	
Taylor Slough*	E	1.2		Tail	Jan - Dec	
East Canal*	E	7.8		Tail	Jan - Dec	
RECLAMATION DIST 813						
Ehrheardt Club			Tot. 2,374			
Pump 1	E	0.02		Tail	Jan - Dec	
Pump 2	E	0.5		Tail	Jan - Dec	
Pump 3	E	0.5		Tail	Jan - Dec	
Pump 4	E	9.3		Tail	Jan - Dec	
Pump 5	E	1.1		Tail	Jan - Dec	
Unnamed West - 1	E	0.6		Tail	Jan - Dec	
Unnamed West - 2	E	0.2		Tail	Jan - Dec	
Unnamed West - 3	E	0.5		Tail	Jan - Dec	
RECLAMATION DIST 3						
Grand Island			Tot. 16,245			
D-1	E	2.3		Tail	Jan - Dec	
D-2	E	0.2		Tail	Jan - Dec	

*Also listed as supply canals

Table 10-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 551						
Pearson District						
Lat. P	E	1.3		Tail	Jan - Dec	
Lat. O	E	0.7		Tail	Jan - Dec	
Lat. N	E	0.3		Tail	Jan - Dec	
Lat. N-1	E	0.3		Tail	Jan - Dec	
Lat. L	E	0.5		Tail	Jan - Dec	
Lat. L-1	E	0.5		Tail	Jan - Dec	
D-7	E	0.2		Tail	Jan - Dec	
D-8	E	0.3		Tail	Jan - Dec	
D-9	E	0.4		Tail	Jan - Dec	
D-10	E	0.5		Tail	Jan - Dec	
D-11	E	0.5		Tail	Jan - Dec	
D-12	E	0.2		Tail	Jan - Dec	
D-13	E	0.3		Tail	Jan - Dec	
D-14	E	0.5		Tail	Jan - Dec	
D-15	E	0.5		Tail	Jan - Dec	
D-16	E	0.2		Tail	Jan - Dec	
D-17	E	0.7		Tail	Jan - Dec	
D-18	E	0.2		Tail	Jan - Dec	
D-19	E	0.6		Tail	Jan - Dec	
D-20	E	0.5		Tail	Jan - Dec	
D-21	E	0.5		Tail	Jan - Dec	
D-22	E	0.6		Tail	Jan - Dec	
D-23	E	0.4		Tail	Jan - Dec	
D-24	E	0.1		Tail	Jan - Dec	
D-25	E	0.8		Tail	Jan - Dec	
D-26	E	0.5		Tail	Jan - Dec	
D-27	E	0.4		Tail	Jan - Dec	
D-28	E	0.5		Tail	Jan - Dec	
D-29	E	0.8		Tail	Jan - Dec	
D-30	E	0.5		Tail	Jan - Dec	
D-31	E	0.5		Tail	Jan - Dec	
D-32	E	0.3		Tail	Jan - Dec	
D-33	E	0.4		Tail	Jan - Dec	
D-33	P	0.1		Tail	Jan - Dec	
D-34	E	0.2		Tail	Jan - Dec	
D-35	E	0.3		Tail	Jan - Dec	
D-36	E	0.5		Tail	Jan - Dec	
D-37	E	0.3		Tail	Jan - Dec	
D-38	E	0.5		Tail	Jan - Dec	
D-39	E	0.6		Tail	Jan - Dec	
D-40	E	0.3		Tail	Jan - Dec	
D-41	E	0.8		Tail	Jan - Dec	
D-42	E	0.5		Tail	Jan - Dec	
D-43	E	0.3		Tail	Jan - Dec	
D-44	E	0.6		Tail	Jan - Dec	
D-45	E	0.5		Tail	Jan - Dec	
D-46	E	0.2		Tail	Jan - Dec	
D-47	E	0.2		Tail	Jan - Dec	
D-48	E	0.3		Tail	Jan - Dec	
Lat. F	E	1.0		Tail	Jan - Dec	
Lat. G	E	1.0		Tail	Jan - Dec	
M-1	E	0.9		Tail	Jan - Dec	
M-2	E	0.5		Tail	Jan - Dec	
M-3	E	0.3		Tail	Jan - Dec	
M-4	E	0.3		Tail	Jan - Dec	
M-5	E	0.5		Tail	Jan - Dec	
M-6	E	1.0		Tail	Jan - Dec	
M-7	E	0.3		Tail	Jan - Dec	
M-8	E	0.3		Tail	Jan - Dec	
M-9	E	1.1		Tail	Jan - Dec	
M-10	E	0.8		Tail	Jan - Dec	
M-11	E	0.5		Tail	Jan - Dec	
M-12	E	0.7		Tail	Jan - Dec	
M-13	E	0.5		Tail	Jan - Dec	
M-14	E	0.2		Tail	Jan - Dec	
M-15	E	0.7		Tail	Jan - Dec	

*Also listed as supply canals

Note: Drain lengths were based on information provided by the districts. Lengths were often estimated from maps provided by districts.

TABLE 10 - C2

CONSTRUCTED CANALS WITHIN DRAINAGE BASIN 10

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 765					
Glide District					
Supply Canals	E		Sac River	Jan - Dec	
RECLAMATION DIST 348					
New Hope Tract					
Supply Canals	E		Delta		
7 Siphons			Delta		
25 Siphons			Delta		
7 Siphons			Delta		
Beaver Slough	E	2.7	Delta	Jan - Dec	
RECLAMATION DIST 341					
Sherman Island					
Central Canal	E	3.2	Delta	Jan - Dec	2
Mayberry Lake	E	4.7	Delta	Jan - Dec	2
Private Owned Supply Canal	E		Delta	Jan - Dec	2
6 Siphons			Mayberry Slough		2
6 Siphons			Sacramento River		2
8 Siphons			Horseshoe Bend		2
5 Siphons			Three Mile Slough		2
16 Siphons			San Joaquin		2
RECLAMATION DIST 2086					
Canal Ranch					
Supply Canals **	E	19.6	Delta	Jan - Dec	2
RECLAMATION DIST 2111					
Dead Horse Island					
Constructed Ag Ditches	E	0.5	Delta	Jan - Dec	2
1 Siphon			Snodgrass Slough		2
1 Siphon			N. Mokelumne		2
RECLAMATION DIST 563					
Tyler Island					
Ag Ditches	E		Delta	Jan - Dec	2
16 Siphons			N. Mokelumne		2
RECLAMATION DIST 551					
Pearson District			Delta-Sac. River & Snodgrass Slough		
RECLAMATION DIST 999					
Winchester Lake	E	2.5	Delta	Jan - Dec	
Babel Slough	E	3.8	Delta	Jan - Dec	
Main Canal	E	5.5	Delta	Jan - Dec	
Tule Canal	E	3.2	Delta	Jan - Dec	
Duck Slough	E	6.8	Delta	Jan - Dec	
RECLAMATION DIST 38					
Staten Island			Delta-S. Mokelumne		
RECLAMATION DIST 144					
Upper Andrus Island			Delta-Georgina Sl. & Sacramento River		
RECLAMATION DIST 554					
Walnut Grove			Delta-Sac. River & Snodgrass Slough		
RECLAMATION DIST 501					
Ryer Island					
West Canal*	E	7.2	Delta	Apr - Sept	
Elk Slough*	E	8.8	Delta	Apr - Sept	
Taylor Slough*	E	1.2	Delta	Apr - Sept	
East Canal*	E	7.8	Delta	Apr - Sept	
RECLAMATION DIST 813					
Ehrbeardt Club					
Irrigation Canal	E	0.7	Delta-Sac. R. Snodgrass, Stone Lks		
RECLAMATION DIST 3					
Grand Island					
C-1*	E	1.2	Delta		
C-2*	E	2.2	Delta		
C-3*	E	0.7	Delta		
C-4*	E	1.6	Delta		
C-5*	E	1.1	Delta		
C-6*	E	1.3	Delta		

*Also listed as constructed drains

** Also listed on Table 10-C1 as Pump Sta. 1 Drainage Canals

DRAINAGE BASIN 11

Drainage Basin 11 is the portion of the Sacramento River Basin that is bounded to the north by Oat and Cache Creeks, to the east and south by the Sacramento River and Sacramento River Deep Water Ship Channel, and to the west by the Coast Range. Information for local water bodies was received from the following water agencies whose boundaries cover over 700,000 acres.

Reclamation District 2120
Reclamation District 2093
Reclamation District 730
Reclamation District 1600
Reclamation District 2098
Reclamation District 2035
Reclamation District 827
Reclamation District 785
Reclamation District 537
Reclamation District 2084
Reclamation District 2060
Reclamation District 2104
Reclamation District 2068
Cowell Ranch
Solano Irrigation District
Maine Prairie Water District
Solano County Water Agency
Dixon Resource Conservation District
Yolo County Flood Control and
Water Conservation District

These agencies have authority over water supply and drainage within their boundaries. No information has been received for a limited area north of Oat Creek and only limited information was available for the area south of Cache Slough.

Approximately 19,000 acres in the northeast corner of the basin east of the Yolo Bypass are completely surrounded by flood control levees which inhibits natural flows. Therefore, natural channels are no longer considered to exist within these leveed systems.

Most of the natural creeks and sloughs within the remainder of the basin are ephemeral, with flows originating in coast ranges during winter storm events and discharging into the Yolo Bypass and eventually Cache Slough which discharges into the Sacramento-San Joaquin Delta. During the irrigation season, roughly April through October, these waterways would remain dry, so many of the channels are used to transport agricultural supply or return flows. Based on the information received from the responding agencies, the following 21 natural water bodies have been identified as being agriculturally dominated:

South Fork Willow Slough
North Fork Willow Slough
Lamb Valley Slough
Willow Slough Bypass
Cache Creek
Dry Slough
Cache Slough
Putah Creek

DRAINAGE BASIN 11

Gibson Canyon Creek
West Adams Canal
Cottonwood Slough
Almondale Slough
Goodnow Slough
Willow Slough
Shag Slough
Union Slough (Pleasant Prairie Canal)
Old Alamo
Walnut Canal
Sweeney Creek
Ulatis Creek
Ulatis Channel
Moody Slough
Duck Slough

The agriculturally dominated reaches of the natural channels are listed in Tables 11-B1 and 11-B2 while the sections of channels which have been reconstructed for agriculture are listed in Table 11-C3. These water bodies are described in more detail below. In addition, constructed agricultural drains and supply canals have been listed in Tables 11-C1 and 11-C2, respectively

CATEGORY B1 WATER BODIES

CACHE CREEK: The most dominant stream channel in the study area, Cache Creek, an ephemeral stream, stretches over 42 miles across the valley floor. Originating northwest of this study area at Clear Lake, the portion of Cache Creek within Basin 11 begins at Rumsey. Once the creek reaches the Sacramento Valley, just past Capay Dam, it flows eastward until it reaches the Cache Creek Settling Basin, west of the Yolo Bypass. During the irrigation season (April through October), most of the water in the creek is diverted into agricultural supply canals at Capay Dam. The remaining 26 miles of the channel is dominated by agricultural return flows between Capay Dam and the Cache Creek Settling Basin.

GOODNOW SLOUGH: Goodnow Slough (east of County Road 87) is a natural, ephemeral flood channel used to transport both agricultural supply and drainage flows during the irrigation season. The seven-mile channel receives Cache Creek Irrigation supply water through the Goodnow Canal at County Road 87. Downstream of this point, the channel carries a combination of agricultural supply and return flows for five miles (until the channel crosses County Road 19). The final two miles of channel are dominated by agricultural return flows until discharge to the West Adams Canal.

ALMONDALE SLOUGH: A natural, ephemeral slough, Almondale Slough transports both irrigation supply and agricultural return flows between April and October along its entire 2-mile length, until its discharge to the South Fork of Willow Slough. Supply flows from the Winters Canal dominate the system in normal water years.

DRAINAGE BASIN 11

SOUTH FORK OF WILLOW SLOUGH: Originating at the confluence of Lamb Valley Slough and Almondale Slough, the South Fork of Willow Slough travels 13 miles before discharging to Willow Slough. A natural, ephemeral channel, during the irrigation season, the upper five miles of the slough receives agricultural return flows. The final eight miles (downstream of the confluence with Cottonwood Slough), the channel carries a mixture of agricultural supply water, as well as return flows.

COTTONWOOD SLOUGH: Historically dry during the irrigation season, Cottonwood Slough now carries a combination of agricultural supply and return flows along its four-mile length from County Road 87, until its discharge to the South Fork of Willow Slough.

NORTH FORK OF WILLOW SLOUGH: Historically dry during the irrigation season, the North Fork of Willow Slough is now used to transport agricultural return flows between April and October. The dominated reach is the three-mile channel, originating near County Road 93 and discharging into Willow Slough.

WILLOW SLOUGH: This slough originates at the confluence of the North Fork and South Fork of Willow Slough. Naturally ephemeral, the channel continues for nine miles before the Willow Slough Bypass. At the junction with the bypass, water can either continue north in the channel for seven miles until discharging to the Yolo Bypass, or it can flow down the Willow Slough Bypass for eventual discharge to the Yolo Causeway. The latter is the most commonly used portion.

During the irrigation season, April through October, the Slough is used to carry irrigation supply water and as an agricultural tailwater collector. The dominant use downstream of County Road 27, the final 15 miles of the channel, is as a tailwater collector.

UNION SLOUGH: Union Slough (a portion of which is also known as the Pleasant Prairie Canal) is an ephemeral stream which originates in the Coast Range and travels 14 miles before discharge into Willow Slough. The 11-mile reach between the Winters Canal and Willow Slough transports agricultural supply and return flows between April and October. Supply flows are diverted around a 2½-mile reach roughly between County Road 91-B and County Road 95 during the irrigation season.

MOODY SLOUGH: This channel carries seasonal storm runoff during the winter months and would remain dry during the irrigation season if not for its use to transport agricultural supply and return flows. The eight-mile reach dominated by agricultural activities stretches from the Winters Canal east to the Slough's confluence with Dry Slough.

DRAINAGE BASIN 11

CACHE SLOUGH (Upstream of Haas Slough): Cache Slough is a tidal slough which travels 12 miles before discharging to the Sacramento River. The slough is heavily influenced by discharges from the Ulatis Flood Control Channel which is dominated by agricultural activities during the irrigation season. The slough receives little other natural flow during the irrigation (dry) season. The slough is subject to tidal action; however, the upper three mile reach essentially functions as a backwater and is dominated by agricultural return flows between March and October.

DRY SLOUGH: Dry Slough is a seasonal flood channel which originates north of the City of Winters and travels 11.5 miles before discharging into Willow Slough, just upstream of the Willow Slough Bypass. During the irrigation season, Dry Slough is used to transport irrigation water from County Road 95 to Willow Slough (approximately six miles). The entire length of the Slough is used as an agricultural tailwater collector.

PUTAH CREEK: Natural flows within the valley floor portion of Putah Creek are dominated by releases from Lake Berryessa and the magnitude of winter storm events. The channel itself transverses the mid-section of Basin 11, travelling 30 miles before its diversion at the City of Davis into the South Fork of Putah Creek. The reach between Lake Berryessa and the Putah South Canal is dominated by Solano Project water. The 14-mile reach of channel between Winters and Davis is an intermittent stream dominated by agricultural return flows between April and October although it does also receive urban storm runoff from the Cities of Winters and Davis. After the Davis diversion, the North Fork which is part of the original channel, is largely filled in and therefore conveys little or no flow for any significant distance. The North Fork does receive some local runoff from the City of Davis, the U.C. campus, and some adjacent agricultural properties. The historic channel continues eight miles before discharging into the Yolo Bypass.

HAAS SLOUGH: This three-mile slough discharges into Cache Slough. Haas Slough is influenced by both drainage from its watershed, as well as tidal flows. During the irrigation season, drainage into the slough is primarily agricultural return flows.

OLD ALAMO CREEK: During the construction of the Ulatis Flood Control Project, the original Alamo Creek channel was cut off from natural flows after the construction of a new diversion channel named the New Alamo Creek. The remaining three-mile channel of Alamo Creek has been renamed Old Alamo Creek and only serves as a low-lying drainage sink for agricultural tailwater, urban stormwater flows, and natural runoff.

DRAINAGE BASIN 11

GORDON SLOUGH (Lower West Adams): Gordon Slough is the remaining three mile portion of a former overflow channel for Cache Creek. The present reach currently acts as an extension of the West Adams supply lateral, which flows 13 miles from the Capay Dam diversion to the junction of the Salisbury spill and East Adams Canal. At this junction, the flow can be diverted into either Cache Creek or the East Adams Canal. The upper nine miles of the channel has been completely reconstructed to transport irrigation supply flows. Gordon Slough, the final three miles, from approximately one mile downstream of State Hwy 90 to the Salisbury Spill, has not been reconstructed and is used jointly for both agricultural supply and drainage.

CATEGORY B2 WATER BODIES

GOODNOW SLOUGH: Goodnow Slough (east of County Road 87) is a natural, ephemeral flood channel used to transport both agricultural supply and drainage flows during the irrigation season. The seven-mile channel receives Cache Creek Irrigation supply water through the Mast Lateral at County Road 87. Downstream of this point, the channel carries a combination of agricultural supply and return flows for five miles (until the channel crosses County Road 19). The final two miles of channel are dominated by agricultural return flows until discharge to the Adams Canal.

LAMB VALLEY SLOUGH: A natural, ephemeral slough, during the irrigation season, Lamb Valley Slough transports minimal supply flows along its entire two-mile length, until it discharges to the South Fork of Willow Slough. The flows are intermittent throughout the irrigation season if surface water is available.

ALMONDALE SLOUGH: A natural, ephemeral slough, Almondale Slough transports both irrigation supply and agricultural return flows between April and October along its entire 2-mile length, until its discharge to the South Fork of Willow Slough. Supply flows from the winters canal dominates the system in normal water years.

COTTONWOOD SLOUGH: Historically dry during the irrigation season, Cottonwood Slough now carries a combination of agricultural supply and return flows along its four-mile length from County Road 87, until its discharge to the South Fork of Willow Slough.

UNION SLOUGH: Union Slough (a portion of which is also known as the Pleasant Prairie Canal) is an ephemeral stream which originates in the Coast Range and travels 14 miles before discharge into Willow Slough. The 11-mile reach between the Winters Canal and Willow Slough transports agricultural

supply and return flows between April and October. Supply flows are diverted around a 2 1/2-mile reach roughly between County Road 91-B and County Road 95 during the irrigation season.

GORDON SLOUGH (Lower West Adams): Gordon Slough is the remaining three mile portion of a former overflow channel for Cache Creek. The present reach currently acts as an extension of the West Adams supply lateral, which flows 13 miles from the Capay Dam diversion to the junction of the Salisbury spill and East Adams Canal. At this junction, the flow can be diverted into either Cache Creek or the East Adams Canal. The upper nine miles of the channel has been completely reconstructed to transport irrigation supply flows. Gordon Slough, the final three miles, from approximately one mile downstream of State Hwy 90 to the Salisbury Spill, has not been reconstructed and is used jointly for both agricultural supply and drainage.

MOODY SLOUGH: This channel carries seasonal storm runoff during the winter months and would remain dry during the irrigation season if not for its use to transport agricultural supply and return flows. The eight-mile reach dominated by agricultural activities stretches from the Winters Canal east to the Slough's confluence with Dry Slough.

DRY SLOUGH: Dry Slough is a seasonal flood channel which originates north of the City of Winters and travels 11.5 miles before discharging into Willow Slough, just upstream of the Willow Slough Bypass. During the irrigation season, Dry Slough is used to transport irrigation water from County Road 95 to Willow Slough (approximately six miles). The entire length of the Slough is used as an agricultural tailwater collector.

PUTAH CREEK: Natural flows within the valley floor portion of Putah Creek are dominated by releases from Lake Berryessa and the magnitude of winter storm events. The channel itself transverses the mid-section of Basin 11, travelling 30 miles before its diversion at the City of Davis into the South Fork of Putah Creek. The reach between Lake Berryessa and the Putah South Canal is dominated by Solano Project water. The 14-mile reach of channel between Winters and Davis is an intermittent stream dominated by agricultural return flows between April and October although it does also receive urban storm runoff from the Cities of Winters and Davis. After the Davis diversion, the North Fork which is part of the original channel, is largely filled in and therefore conveys little or no flow for any significant distance. The North Fork does receive some local runoff from the City of Davis, the U.C. campus, and some adjacent agricultural properties. The historic channel continues eight miles before discharging into the Yolo Bypass.

SOUTH FORK OF WILLOW SLOUGH (Downstream of Cottonwood Slough): For its final eight miles, the South Fork of Willow Slough carries a mixture of agricultural supply water, as well as drainage return flows.

WILLOW SLOUGH (Upstream of Yolo-Central and Ross Canals): Although Willow Slough supplies irrigation water along its entire 16 mile length, it is also used as a main tailwater collector for its final 15 miles. The only portion of the slough likely to be dominated at any time by supply flows is the one-mile reach upstream of the Yolo-Central and Ross Canals.

CATEGORY C3 WATER BODIES

WALNUT CANAL: The Walnut Canal is the 7-mile portion of Chickahominy Slough between the Winters Canal and Dry Slough, which has been completely reconstructed to enhance agricultural activities. Chickahominy Slough is ephemeral, primarily carrying natural storm runoff; therefore, the lower reach (Walnut Canal) would remain dry during the irrigation season if it was not used to transport agricultural supply and return flows.

SOUTH FORK OF PUTAH CREEK: The South Fork of Putah Creek is a historic overflow channel for the main creek. The channel originates at the Putah Creek Diversion at the City of Davis and continues ten miles until discharging into the Putah Creek sinks in the Yolo Bypass. Flows consist of stream flow releases from the Solano Project, agricultural return flows, and treated wastewater discharges. During the irrigation season, flows rarely continue past Mace Boulevard. Downstream of Mace Boulevard, the channel is used as a conveyance facility.

WILLOW SLOUGH BYPASS: The Willow Slough Bypass, which is a former flood channel, was reconstructed to carry flood flows from Willow Slough to the Yolo Bypass. The seven mile channel originates approximately half a mile east of Hwy 113 at the Southern Pacific Railroad tracks. The upper four miles of the channel are dominated by agricultural return flows during the irrigation season. The final three miles, however, receive significant volumes of treated municipal wastewater year round, urban runoff during storm events, and cannery wastewater during the irrigation season.

SHAG SLOUGH: Shag Slough, a tributary to Cache Slough, was extensively realigned in 1953 to facilitate levee construction. A three-mile section of the slough is used for both agricultural supply and drainage.

DUCK SLOUGH: Duck Slough, a tributary to Haas Slough, was extensively realigned to facilitate levee construction. The 1½ mile slough currently supplies irrigation water and can, at times, be dominated by agricultural return flows.

DRAINAGE BASIN 11

The following channels have had their lower reaches completely realigned and reconstructed as part of the Ulatis Flood Control project. The project consisted of diverting five flood channels into one main collector channel and directing all discharges to Cache Slough. During the irrigation season, April to October, these constructed channels are used to convey agricultural supply and return flows with the primary water supply delivered from Lake Berryessa through the Putah South Canal. Some of the channels also carry treated municipal wastewater and urban runoff.

SWEENEY CREEK: The four mile reach begins just east of Interstate 505 and discharges into the Ulatis Channel.

GIBSON CANYON CREEK: The 5.5 mile reach between I-80 and the Ulatis Channel.

ULATIS CREEK: The 5.5 mile reach between the Putah South Canal and Ulatis Channel.

ULATIS CHANNEL: Ulatis Channel is used as the primary collector for the Ulatis Flood Control project. The 13-mile reach, which is dominated by agricultural activities during the irrigation season, originates just south of I-80 and continued southeasterly until discharging to Cache Slough.

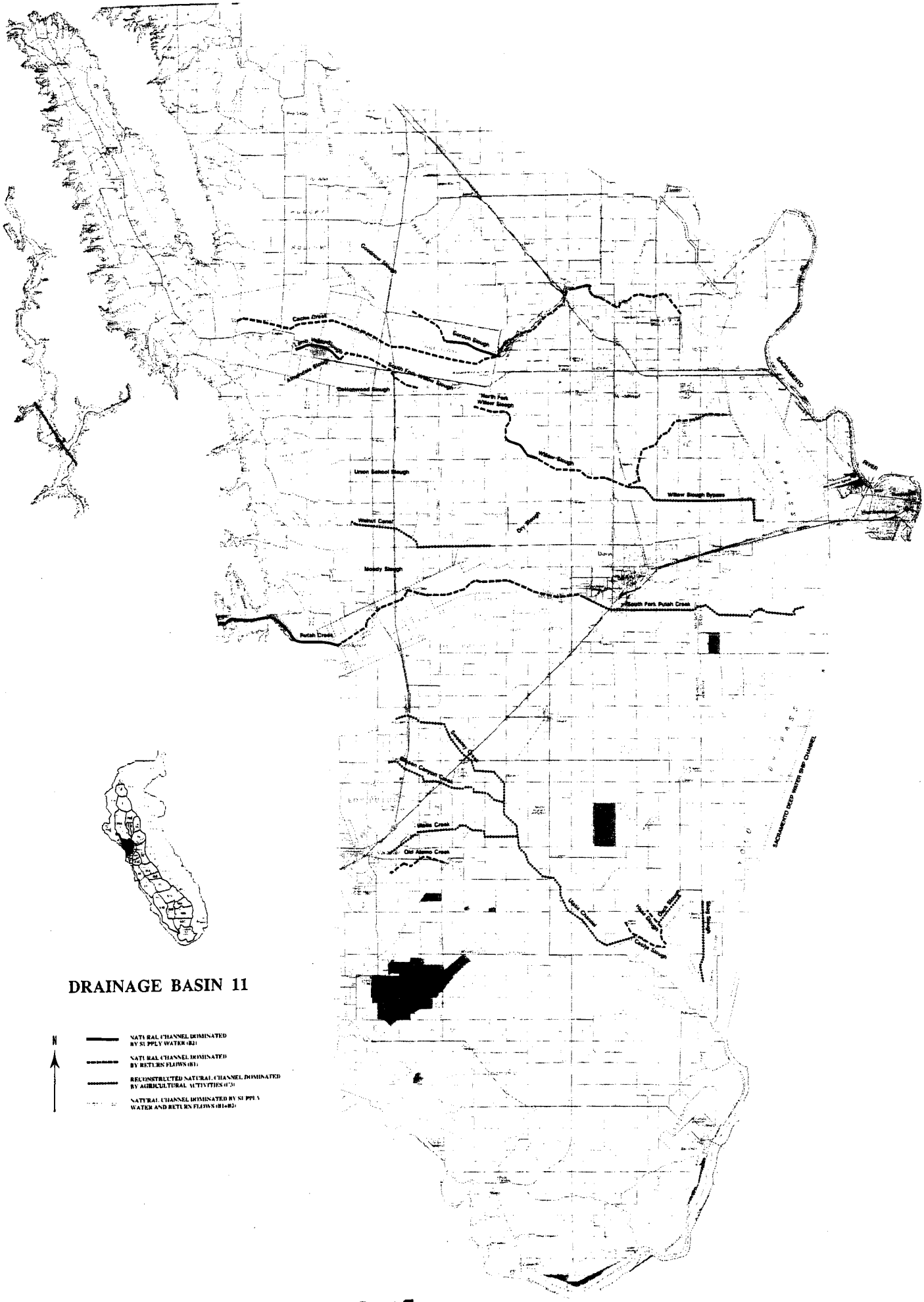

Cache Creek
Burton Slough
Dry Slough
Union School Slough
Walnut Canal
Mosely Slough
Willow Slough Bypass
South Fork Putah Creek
Putah Creek
Willow Creek
Old Alamo Creek
SACRAMENTO DEEP WATER SHIP CHANNEL
DRAINAGE BASIN 11
N
NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)
NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)
RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C2)
NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 11 - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 11 DOMINATED BY AGRICULTURAL DRAINAGE FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Goodnow Slough*	7.0		Tail, SW, U	Apr - Oct	3, 6, 10, 13, 14
Cache Creek	26.0		Tail, NF, U	Apr-Sep	3, 6, 13, 14
Almondale Slough*	2.0		Tail, SW	Apr - Oct	3, 6, 13, 14
S. Fork Willow Slough*	13.0		Tail, SW	Apr - Oct	3, 6, 13, 14
N. Fork Willow Slough	3.0		Tail	Apr - Oct	3, 6, 13, 14
Cottonwood Slough*	4.0		Tail, SW	Apr - Oct	3, 6, 13, 14
Willow Slough*	16.0		Tail, NF, SW	Apr - Oct	2, 3, 6, 13, 14
Union Slough*	14.0		Tail, SW, U	Apr - Oct	1, 3, 6, 10, 13, 14
Dry Slough*	11.5		Tail, SW	Apr - Oct	3, 6, 13, 14
Moody Slough*	8.0		Tail, SW	Apr - Oct	3, 6, 13, 14
Old Alamo Creek	3.0		Tail, SP, WW, NF	Apr - Oct	3, 6, 13, 14
Haas Slough*	3.0		Tail, NF, U	Jan -Dec	3, 6, 9, 10, 13, 14
Gordon Slough (Lower West Adams)	3.0		Tail, SW	Apr - Oct	3, 6, 13, 14
Putah Creek	14.0		Tail, SP, U	Apr - Oct	2, 3, 4, 6, 13, 14
Cache Slough*	3.0		Tail, NF, U, WW	Mar - Oct	3, 6, 13, 14

SP= Solano Project
C= Cannery Effluent
*= Combination Supply and Drainage

TABLE 11 - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 11 DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Goodnow Slough*	5	SW, NF, U, Tail	Apr - Oct	3, 6, 13, 14
Union Slough (Pleasant Prairie)	14	SW, Tail, U	Apr - Oct	3, 6, 13, 14
Almondale Slough	2	SW, Tail	Apr - Oct	3, 6, 13, 14
Lamb Valley Slough	2	NF, SW	Apr - Oct	3, 6, 13, 14
South Fork of Willow Slough (dwnstrm of Cottonwood Sl.)	8	SW, Tail	Apr - Oct	3, 6, 13, 14
Cottonwood Slough	4	SW, Tail	Apr - Oct	3, 6, 13, 14
Willow Slough	1	SW, Tail	Apr - Oct	3, 6, 13, 14
Moody Slough	8	SW, Tail	Apr - Oct	3, 6, 13, 14
Dry Slough	6	SW, Tail	Apr - Oct	3, 6, 13, 14
Gordon Slough (Lower West Adams)	3	SW, Tail	Apr - Oct	3, 6, 13, 14
Putah Creek	14	Tail, SP, U	Apr - Oct	2, 3, 4, 6, 13, 14

*Combination supply and drainage

TABLE 11 - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 11

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RD 2084 Main Drain	E	2.0		Cache Slough		
Southeast Davis Pump	E	3.5		Tail, NF, U	May-Sept	
CR D1	E	2.7		Tail	Year Round	2
CR D2	E	1.0		Tail	May-Sept	2
CR D3	E	1.1		Tail	May-Sept	2
CR D4	E	0.4		Tail	May-Sept	2
CR D5	E	3.2		Tail	May-Sept	2
CR D6	E	0.7		Tail	May-Sept	2
CR D7	E	1.4		Tail	May-Sept	2
CR D8	E	0.5		Tail	May-Sept	2
CR D9	E	0.9		Tail	May-Sept	2
CR D10	E	0.4		WW, U	May-Sept	2
CR D11	E	2.5		Tail	May-Sept	2
CR D12	E	2.4		Tail	May-Sept	2
CR D13	E	0.6		Tail	May-Sept	2
CR D14	E	1.2		Tail	May-Sept	2
CR D15	E	4.1		Tail	May-Sept	2
CR D16	E	0.9		Tail	May-Sept	2
CR D17	E	1.8		Tail	May-Sept	2
CR D18	E	1.0		Tail	May-Sept	2
CR D19	E	1.3		Tail	May-Sept	2
CR D20	E	1.1		Tail	May-Sept	2
CR D21	E	1.3		Tail	May-Sept	2
CR D22	E	1.0		Tail	May-Sept	2
CR D23	E	1.1		Tail	May-Sept	2
CR D24	E	2.6		Tail	May-Sept	2
CR D25	E	0.4		Tail	May-Sept	2
CR D26	E	2.4		Tail	May-Sept	2
CR D27	E	0.8		Tail	May-Sept	2
CR D28	E	0.5		Tail	May-Sept	2
CR D29	E	0.5		Tail	May-Sept	2
CR D30	E	2.0		Tail	May-Sept	2
CR D31	E	0.5		Tail	May-Sept	2
RD 2035 D1	E	2.2		Tail	May-Sept	2,3
RD 2035 D2	E	1.4		Tail	May-Sept	2,3
RD 2035 D3	E	0.1		Tail	May-Sept	2,3
RD 2035 D4	E	2.0		U	May-Sept	2,3
RD 2035 D5	E	1.0		Tail	May-Sept	2,3
RD 2035 D6	E	1.0		Tail	May-Sept	2,3
RD 2035 D7	E	2.0		Tail	May-Sept	2,3
RD 2035 D8	E	2.0		Tail	May-Sept	2,3
RD 2035 D9	E	1.0		Tail	May-Sept	2,3
RD 2035 D10	E	0.5		Tail	May-Sept	2,3
RD 2035 D11	E	1.1		Tail	May-Sept	2,3
RD 2035 D12	E	2.8		Tail	May-Sept	2,3
RD 2035 D13	E	1.1		Tail	May-Sept	2,3
RD 2035 D14	E	0.5		Tail	May-Sept	2,3
RD 2035 D15	E	3.3		Tail	May-Sept	2,3
RD 2035 D16	E	1.5		Tail	May-Sept	2,3
RD 2035 D17	E	2.0		Tail	May-Sept	2,3
RD 2035 D18	E	2.5		Tail	May-Sept	2,3
RD 2035 D19	E	3.9		Tail	May-Sept	2,3
RD 2035 D20	E	2.3		Tail	May-Sept	2,3
RD 2035 D21	E	4.1		Tail	May-Sept	2,3
RD 2035 D22	E	1.1		Tail	May-Sept	2,3
RD 2035 D23	E	0.7		Tail	May-Sept	2,3
RD 2035 D24	E	0.5		Tail	May-Sept	2,3
RD 2035 D25	E	4.1		Tail	May-Sept	2,3
RD 2035 D26	E	1.1		Tail	May-Sept	2,3
RD 2035 D27	E	1.2		Tail	May-Sept	2,3
RD 2035 D28	E	2.5		Tail	May-Sept	2,3
RD 2035 D29	E	0.9		Tail	May-Sept	2,3
RD 2035 D30	E	0.5		Tail	May-Sept	2,3
RD 2035 D31	E	0.4		Tail	May-Sept	2,3
RD 2035 D32	E	0.6		Tail	May-Sept	2,3
RD 2035 D33	E	3.4		Tail	May-Sept	2,3
RD 2035 D34	E	0.5		Tail	May-Sept	2,3
RD 2035 D35	E	2.7		Tail	May-Sept	2,3

Table 11-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RD 827 Main Canal	E	3.1	1225	NF	Nov-Jan	
RD 827 Lateral 1	E	0.4		Sac Riv, Tail, NF	Feb-Oct	
RD 827 Lateral 2	E	0.3		Sac Riv, Tail, NF	Feb-Oct	
RD 827 Lateral 3	E	0.4		Sac Riv, Tail, NF	Feb-Oct	
RD 827 Lateral 4	E	0.4		Sac Riv, Tail, NF	Feb-Oct	
RD 827 Lateral 5	E	0.5		Sac Riv, Tail, NF	Feb-Oct	
RD 827 Lateral 6	E	3.0		Sac Riv, Tail, NF	Feb-Oct	
RD 730 Main Canal (1)	E	1.3	2061	Sac Riv, Tail	Feb-Oct	
				NF	Nov-Jan	
RD 730 Main Canal (2)	E	0.7	2437	Sac Riv, Tail	Feb-Oct	
				NF	Nov-Jan	
RD 730 Seepage Lateral (1)	E	0.7		Sac Riv, Tail, KL	Feb-Oct	
RD 730 Seepage Lateral (2)	E	1.5		Sac Riv, Tail	Feb-Oct	
RD 730 Seepage Lateral (3)	E	1.3		Sac Riv, Tail	Feb-Oct	
RD 730 Seepage Lateral (4)	E	1.2		Sac Riv, Tail	Feb-Oct	
RD 785 Main Canal (East)	E	3.8	2,197	Tule Canal, Tail	Feb-Oct	
				NF	Nov-Jan	
RD 785 Main Canal (West)	E	3.7	777	Tule Canal, Tail	Feb-Oct	
				NF	Nov-Jan	
RD 537 Main Canal (North)	E	2.8	2,014	Sac Riv, Tail	Feb-Oct	
				NF	Nov-Jan	
RD 537 Main Canal (South)	E	2.2	1,019	NF & U	Nov-Jan	
				Tail	Feb-Oct	
RD 537 Lateral 1	E	1.4		Sac Riv, Tail	Feb-Oct	
RD 1600 Main Canal	E	4.4	6,924	Sac Riv, Tail	Feb-Oct	
				NF	Nov-Jan	
RD 1600 L3A	E	0.6		Sac Riv, Tail	Feb-Oct	
RD 1600 L7A	E	0.8		Sac Riv, Tail	Feb-Oct	
RD 1600 L7C	E	0.8		Sac Riv, Tail	Feb-Oct	
RD 1600 L8B	E	0.5		Sac Riv, Tail	Feb-Oct	
RD 1600 L9	E	0.3		Sac Riv, Tail	Feb-Oct	
RD 1600 L11	E	0.4		Sac Riv, Tail	Feb-Oct	
RD 1600 B1	E	3.4		Sac Riv, Tail	Feb-Oct	
Tremont #1	E	8.0	12,606	Tail	Apr-Oct	1
Tremont #2	E	17.0	30,186	Tail	Apr-Oct	1,9
Tremont #3	E	13.0	30,000	Tail	Apr-Oct	1
DRCD Main Drain	E	32.0	30,000	Tail	Apr-Oct	1,10
MPDW Lateral No. 1						
MPDW Lateral No. 2						
MPDW Lateral No. 3						
MPDW System I	E	16.0		Solano Proj., Tail	Apr-Oct	
MPDW System II	E	6.0		Solano Proj., Tail	Apr-Oct	
MPDW System III	E	5.0		Solano Proj., Tail	Apr-Oct	
MPDW Westside Drain	E			Tail	Apr-Oct	
RD 2068 PS #1 Intake	E	0.6		Haas Slough, U, NF & Tail	Mar-Oct	
RD 2068 Main Canal	E	2.2		Haas Slough, NF & Tail	Mar-Oct	
RD 2068 V	E	5.5	2519	Tail, NF	Mar-Oct	
RD 2068 V1	E	1.5		Tail, NF	Mar-Oct	
RD 2068 V2	E	1.8		Tail, NF	Mar-Oct	
RD 2068 V3	E	1.6		Tail, NF	Mar-Oct	
RD 2068 V4	E	0.5		Tail, NF	Mar-Oct	
RD 2068 V5	E	0.6		Tail, NF	Mar-Oct	
RD 2068 V6	E	0.9		Tail, NF	Mar-Oct	
RD 2068 V7	E	0.4		Tail, NF	Mar-Oct	
RD 2068 W	E	6.4	5822	Tail, NF	Mar-Oct	
RD 2068 W1	E	1.0		Tail, NF	Mar-Oct	
RD 2068 W2	E	1.5		Tail, NF	Mar-Oct	
RD 2068 W3	E	2.3		Tail, NF	Mar-Oct	
RD 2068 W4	E	0.5		Tail, NF	Mar-Oct	
RD 2068 W5	E	2.5		Tail, NF	Mar-Oct	
RD 2068 W6	E	1.5		Tail, NF	Mar-Oct	
RD 2068 W7	E	0.5		Tail, NF	Mar-Oct	
RD 2068 W8	E	0.5		Tail, NF	Mar-Oct	
RD 2068 W9	E	0.5		Tail, NF	Mar-Oct	
RD 2068 W10	E	2.7		Tail, NF	Mar-Oct	
RD 2068 W11	E	0.5		Tail, NF	Mar-Oct	
RD 2068 W12	E	1.0		Tail, NF	Mar-Oct	
RD 2068 X	E	4.0	1581	Tail, NF	Mar-Oct	
RD 2068 X1	E	0.8		Tail, NF	Mar-Oct	

Table 11-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RD 2068 X2	E	1.0		Tail, NF	Mar-Oct	
RD 2068 X3	E	1.0		Tail, NF	Mar-Oct	
RD 2068 Y	E	4.1	1775	Tail, NF	Mar-Oct	
RD 2068 Y2	E	0.5		Tail, NF	Mar-Oct	
RD 2068 Y3	E	0.5		Tail, NF	Mar-Oct	
RD 2068 Y4	E	0.5		Tail, NF	Mar-Oct	
RD 2068 Z	E	2.0	1631	Tail, NF	Mar-Oct	
RD 2068 Z1	E	1.3		Tail, NF	Mar-Oct	
RD 2068 Z2	E	0.5		Tail, NF	Mar-Oct	
RD 2068 Z3	E	1.0		Tail, NF	Mar-Oct	
Drake Ditch	E	11.0		Tail, SW, U	Apr-Oct	
Dally Drain	E	0.5		Tail, NF	Apr-Oct	
Bernardo Drain	E	1.0		Tail, OP	Apr-Oct	
Bocks Drain	E	0.2		Tail	Apr-Oct	
Angeli Drain	E	0.8		Tail	Apr-Oct	
Dodini Drain	E	1.5		Tail	Apr-Oct	
Grant School Drain	E	0.5		Tail	Apr-Oct	
Minatta Drain	E	0.8		Tail	Apr-Oct	
Stocking Drain	E	0.3		NF	Apr-Oct	
New Gibson Channel	E	2.8		Tail, OP, WW	Apr-Oct	
Coggins Drain	E	0.5		Tail	Apr-Oct	
K-1 Spill	E	1.2		Tail, OP	Apr-Oct	
Shellhammer Drain	E	1.2		Tail, OP	Apr-Oct	
Yolo Drain	E	1.2		Tail	Apr-Oct	
3-4 Spill	E	0.5		Tail, OP	Apr-Oct	
Lenberg Drain	E	0.7		Tail, OP	Apr-Oct	
3 Canal Spill	E	1.0		Tail, OP	Apr-Oct	
Sweeney Drain	E	0.5		Tail, OP	Apr-Oct	
Weber Road Drain	E	0.3		Tail	Apr-Oct	
McClanahan Drain	E	0.5		Tail, OP	Apr-Oct	
Batavin Drain	E	0.8		Tail	Apr-Oct	
4-C-1 Spill	E	0.2		OP	Apr-Oct	
New Ulatis Channel	E	4.0		Tail, OP, NF	Apr-Oct	
Locke Drain	E	1.3		Tail, OP	Apr-Oct	
BD Spill	E	0.1		OP	Apr-Oct	
BE Spill	E	0.1		OP	Apr-Oct	
New Alamo Channel *	E	6.5		Tail, OP, NF	Apr-Oct	
Wykoff Drain	E	1.5		Tail	Apr-Oct	
Fry Road Drain	E	1.5		U, Tail	Apr-Oct	
Frost Spill	E	1.7		Tail, OP	Apr-Oct	
Sawtelle Drain	E	2.5		Tail, OP, NF	Apr-Oct	
Cheechov Drain	E	0.5		Tail	Apr-Oct	
Carrington Drain	E	0.5		Tail	Apr-Oct	
Clark Road Drain	E	0.5		Tail	Apr-Oct	
Schouten Drain	E	1.0		Tail	Apr-Oct	
Sawyer Drain	E	0.4		Tail	Apr-Oct	
Campbell Drain	E	0.4		Tail	Apr-Oct	
Kilkenney Drain	E	1.9		Tail, OP	Apr-Oct	
Machado Drain	E	1.0		Tail	Apr-Oct	
Church Drain	E	0.3		Tail	Apr-Oct	
Weyand Drain	E	0.5		Tail	Apr-Oct	
McGimsey Drain North	E	0.5		Tail	Apr-Oct	
Sievers Drain	E	2.3		Tail, OP	Apr-Oct	
Main Drain	E	3.3		Tail, OP	Apr-Oct	
Shroeder Drain	E	0.5		Tail	Apr-Oct	
Robben Drain	Tile	0.3		Tail	Apr-Oct	
Demello Drain	E	0.3		Tail	Apr-Oct	
McGimsey Drain	E	1.5		Tail	Apr-Oct	
Moore Drain	E	1.3		Tail, OP	Apr-Oct	
Olsen Drain	E	1.8		Tail, OP	Apr-Oct	
Armms Drain	E	1.3		Tail	Apr-Oct	
RD2060 D-1	E	0.9		Tail, NF, GW	All year	
RD2060 D-2	E	1.4		Tail, NF, GW	All year	
RD2060 D-3	E	1.5		Tail, NF, GW	All year	
RD2060 D-4	E	2.3		Tail, NF, GW	All year	
RD2060 D-5	E	0.8		Tail, NF, GW	All year	
RD2060 D-6	E	0.2		Tail, NF, GW	All year	
RD2060 D-7	E	0.9		Tail, NF, GW	All year	
RD2060 D-8	E	0.4		Tail, NF, GW	All year	
RD2060 D-9	E	1.7		Tail, NF, GW	All year	
RD2060 D-10	E	0.5		Tail, NF, GW	All year	

Table 11-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RD2060 D-11	E	0.8		Tail, NF, GW	All year	
RD2060 D-12	E	0.4		Tail, NF, GW	All year	
RD2060 D-13	E	0.3		Tail, NF, GW	All year	
RD2060 D-14	E	0.6		Tail, NF, GW	All year	
RD2060 D-15	E	1.5		Tail, NF, GW	All year	
RD2060 D-16	E	0.6		Tail, NF, GW	All year	
RD2060 D-17	E	1.7		Tail, NF, GW	All year	
RD2060 D-18	E	1.4		Tail, NF, GW	All year	
RD2060 D-19	E	0.6		Tail, NF, GW	All year	
RD2060 D-20	E	0.4		Tail, NF, GW	All year	
RD2060 D-21	E	0.6		Tail, NF, GW	All year	
Deep Water Ship Channel	E	28.0		Tail, NF	All year	
Liberty Cut	E	7.0		Tail, NF	All year	
East Canal	E	3.7		Tail, NF	All year	
West Canal	E	5.8		Tail, NF	All year	
Center Canal	E	4.5		Tail, NF	All year	
Cross Canal	E	0.9		Tail, NF	All year	
Look Out Slough	E	2.5		Tail, NF	All year	
RD 2093 Main	E	6.0		Tail, NF	All year	
Austin Ditch	E	3.0		Tail, NF	All year	
RD 2098 Main	E	2.0		Tail, NF	All year	
RD 2098 Highline	E	2.5		Tail, NF	All year	

KL= Colusa Basin Drain

*Combination supply and drainage

TABLE 11 - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 11

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
East Adams	E	2.4	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Alder	E	0.8	Tail, WW, NF	May - Sep	1,3,6,10,13
Buckeye	E	2.0	Tail, WW, NF	May - Sep	1,3,10,13
Buckeye North	E	1.0	Tail, WW, NF	May - Sep	1,3,10,13
Citrona	E	1.3	Tail, WW, NF	May - Sep	1,3,10,13
Clover	E	4.5	Tail, WW, NF	May - Sep	1,3,10,13
Cottonwood	E	8.9	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Cottonwood South	E	2.5	Tail, WW, NF	May - Sep	3,6,10,13
Esparto	E	1.4	Tail, WW, NF	May - Sep	3,6,10,13
Fairfield	E	4.5	Tail, WW, NF	May - Sep	3,6,10,13
Farmers Central	E	3.4	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Flight Strip	E	1.0	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Gaddis	E	0.7	Tail, WW, NF	May - Sep	3,6,10,13
Gibson	E	2.4	Tail, WW, NF	May - Sep	3,6,10,13
Goodnow	E	1.2	Tail, WW, NF	May - Sep	3,6,10,13
Guinda	E	1.0	Tail, WW, NF	May - Sep	3,6,10,13
Hayes	E	0.5	Tail, WW, NF	May - Sep	3,6,10,13
Hoey	E	1.3	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Hindu	E	1.0	Tail, WW, NF	May - Sep	3,6,10,13
Hungry Hollow	E	9.0	Tail, WW, NF	May - Sep	3,6,10,13
Madison	E	0.3	Tail, WW, NF	May - Sep	3,6,10,13
Magnolia	E	1.5	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Maple	E	2.8	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Mast	E	0.5	Tail, WW, NF	May - Sep	3,6,10,13
Medoff	E	0.9	Tail, WW, NF	May - Sep	3,6,10,13
Moore	E	7.3	Tail, WW, NF, U	May - Sep	1,3,6,10,13
	C	2.8	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Mutual	E	1.2	Tail, WW, NF	May - Sep	3,6,10,13
Plainfield	E	2.4	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Pleasant Prairie	E	4.9	Tail, WW, NF, U	May - Sep	1,3,6,10,13
	C	1.1	Tail, WW, NF, U	May - Sep	1,3,6,10,13
Ross	E	1.7	SW,GW,U,N,Tail	May - Sep	1,3,6,10,13
Reiff	E	1.2	SW, GW, U, NF	May - Sep	3,6,10,13
Rumsey	E		SW, GW, U, NF	May - Sep	3,6,10,13
Salley Stephens	E	0.2	SW, GW, U, NF	May - Sep	3,6,10,13
South Fork	E	2.6	SW, GW, U	May - Sep	1,3,6,10,13
			NF, Tail	May - Sep	
Stephens	E	0.5	SW, GW, U, NF	May - Sep	3,6,10,13
Sturm	E	1.5	SW, GW, U, NF	May - Sep	3,6,10,13
Tule	E	0.9	SW, GW, U, NF	May - Sep	3,6,10,13
Ullrich	E	0.1	SW, GW, U, NF	May - Sep	3,6,10,13
Union	E	1.2	SW, GW, U	May - Sep	1,3,6,10,13
			NF, Tail	May - Sep	
University	E	2.1	SW, GW, U	May - Sep	1,3,6,10,13
			NF, Tail	May - Sep	
Vaughn	E	0.7	SW, GW, U, NF	May - Sep	3,6,10,13
West Adams	E	7.4	SW, GW, U, NF	May - Sep	3,6,10,13
West Adams	C	1.7	SW, GW, U, NF	May - Sep	3,6,10,13
West Hooper	E	0.5	SW, GW, U	May - Sep	1,3,6,10,13
			NF, Tail	May - Sep	
Willow	E	9.4	SW, GW, U	May - Sep	1,3,6,10,13
			NF, Tail	May - Sep	
Winters	E	12.2	SW, GW, U, NF	May - Sep	3,6,10,13
Winters	C	4.2	SW, GW, U, NF	May - Sep	3,6,10,13
Yolo Central	E	10.1	SW, GW, U, NF	May - Sep	3,6,10,13
CR W1	E	1.3	PC, TD, GW, Tail	May - Sep	2
CR W2	E	0.6	PC, TD, GW, Tail	May - Sep	2
CR W3	E	0.8	PC, TD, GW, Tail	May - Sep	2
CR W4	E	0.6	PC, TD, GW, Tail	May - Sep	2
CR W5	E	2.0	PC, TD, GW, Tail	May - Sep	2
CR W6	E	1.0	PC, TD, GW, Tail	May - Sep	2
CR W7	E	0.4	PC, TD, GW, Tail	May - Sep	2
CR W8	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W9	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W10	E	1.4	PC, TD, GW, Tail	May - Sep	2
CR W11	E	1.5	PC, TD, GW, Tail	May - Sep	2
CR W12	E	1.5	PC, TD, GW, Tail	May - Sep	2

Table 11-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
CR W13	E	2.3	PC, TD, GW, Tail	May - Sep	2
CR W14	E	1.1	PC, TD, GW, Tail	May - Sep	2
CR W15	E	1.2	PC, TD, GW, Tail	May - Sep	2
CR W16	E	0.6	PC, TD, GW, Tail	May - Sep	2
CR W17	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W18	E	0.6	PC, TD, GW, Tail	May - Sep	2
CR W19	E	0.8	PC, TD, GW, Tail	May - Sep	2
CR W20	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W21	E	0.8	PC, TD, GW, Tail	May - Sep	2
CR W22	E	0.8	PC, TD, GW, Tail	May - Sep	2
CR W23	E	0.7	PC, TD, GW, Tail	May - Sep	2
CR W24	E	2.6	PC, TD, GW, Tail	May - Sep	2
CR W25	E	0.1	PC, TD, GW, Tail	May - Sep	2
CR W26	E	0.7	PC, TD, GW, Tail	May - Sep	2
CR W27	E	0.9	PC, TD, GW, Tail	May - Sep	2
CR W28	E	1.0	PC, TD, GW, Tail	May - Sep	2
CR W29	E	0.9	PC, TD, GW, Tail	May - Sep	2
CR W30	E	0.4	PC, TD, GW, Tail	May - Sep	2
CR W31	E	1.5	PC, TD, GW, Tail	May - Sep	2
CR W32	E	1.5	PC, TD, GW, Tail	May - Sep	2
CR W33	E	1.6	PC, TD, GW, Tail	May - Sep	2
CR W34	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W35	E	1.0	PC, TD, GW, Tail	May - Sep	2
CR W36	E	1.1	PC, TD, GW, Tail	May - Sep	2
CR W37	E	1.3	PC, TD, GW, Tail	May - Sep	2
CR W38	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W39	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W40	E	0.5	PC, TD, GW, Tail	May - Sep	2
CR W41	E	1.6	PC, TD, GW, Tail	May - Sep	2
CR W12	E	0.6	PC, TD, GW, Tail	May - Sep	2
CR W43	E	1.1	PC, TD, GW, Tail	May - Sep	2
CR W44	E	1.1	PC, TD, GW, Tail	May - Sep	2
CR W45	E	0.6	PC, TD, GW, Tail	May - Sep	2
CR W46	E	0.9	PC, TD, GW, Tail	May - Sep	2
CR W47	E	1.2	PC, TD, GW, Tail	May - Sep	2
CR W48	E	0.2	PC, TD, GW, Tail	May - Sep	2
CR W49	E	0.3	PC, TD, GW, Tail	May - Sep	2
RD 2035 W1	E	2.2	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD2035 W2	E	3.6	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W3	E	0.5	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD2035 W4	E	1.1	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W5	E	0.7	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W6	E	1.5	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W7	E	2.4	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W8	E	3.3	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W9	E	1.3	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W10	E	0.1	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W11	E	1.3	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W12	E	3.7	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W13	E	2.1	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W14	E	2.4	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W15	E	2.3	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD2035 W16	E	0.9	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W17	E	4.0	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3

Table 11-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
RD 2035 W18	E	2.2	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W19	E	2.5	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W20	E	2.2	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
RD 2035 W21	E	0.5	GW, WS, CC, YB & Sac Riv	Apr-Dec	2,3
MPDW System I	E	16.0	SP, Tail	Apr-Oct	
MPDW System II	E	6.0	SP, Tail	Apr-Oct	
MPDW System III	E	5.0	SP, Tail	Apr-Oct	
MPDW Westside Drain	E		Tail	Apr-Oct	
MPDW Lateral No. 1	E		Tail	Apr-Oct	10
MPDW Lateral No. 2	E		Tail	Apr-Oct	10
MPDW Lateral No. 3	E		Tail	Apr-Oct	10
RD 2068 PS #1 Intake	E	0.6	HS, Tail	Mar - Oct	
RD 2068 Main Canal	E	6.8	HS, Tail	Mar - Oct	
RD 2068 A1	E	0.5	HS, Tail	Mar - Oct	
RD 2068 A2	E	0.5	HS, Tail	Mar - Oct	
RD 2068 A3	E	0.5	HS, Tail	Mar - Oct	
RD 2068 B	E	2.2	HS, Tail	Mar - Oct	
RD 2068 B1	E	1.3	HS, Tail	Mar - Oct	
RD 2068 B2	E	0.5	HS, Tail	Mar - Oct	
RD 2068 B3	E	0.1	HS, Tail	Mar - Oct	
RD 2068 C	E	3.1	HS, Tail	Mar - Oct	
RD 2068 C1	E	0.5	HS, Tail	Mar - Oct	
RD 2068 C2	E	0.5	HS, Tail	Mar - Oct	
RD 2068 D	E	3.7	HS, Tail	Mar - Oct	
RD 2068 D1	E	1.5	HS, Tail	Mar - Oct	
RD 2068 E	E	2.8	HS, Tail	Mar - Oct	
RD 2068 F	E	3.1	HS, Tail	Mar - Oct	
RD 2068 F1	E	1.4	HS, Tail	Mar - Oct	
RD 2068 F2	E	1.1	HS, Tail	Mar - Oct	
RD 2068 F3	E	0.8	HS, Tail	Mar - Oct	
RD 2068 G	E	6.6	HS, Tail	Mar - Oct	
RD 2068 G1	E	2.8	HS, Tail	Mar - Oct	
RD 2068 G3	E	1.5	HS, Tail	Mar - Oct	
RD 2068 G4	E	2.3	HS, Tail	Mar - Oct	
RD 2068 G5	E	0.6	HS, Tail	Mar - Oct	
RD 2068 G6	E	1.3	HS, Tail	Mar - Oct	
RD 2068 G7	E	0.3	HS, Tail	Mar - Oct	
RD 2068 H	E	0.5	HS, Tail	Mar - Oct	
RD 2060 I-1	E	0.4	Delta		10
RD 2060 I-2	E	0.5	Delta		10
RD 2060 I-3	E	0.8	Delta		10
RD 2060 I-4	E	0.6	Delta		10
RD 2060 I-5	E	0.5	Delta		10
RD 2060 I-6	E	0.5	Delta		10
RD 2060 I-7	E	1.5	Delta		10
RD 2060 I-8	E	1.1	Delta		10
RD 2060 I-9	E	1.5	Delta		10
RD 2060 I-10	E	0.9	Delta		10
RD 2060 I-11	E	0.7	Delta		10
RD 2060 I-12	E	0.5	Delta		10
RD 2060 I-13	E	1.4	Delta		10
RD 2060 I-14	E	0.3	Delta		10
RD 2060 I-15	E	0.5	Delta		10
RD 2060 I-16	E	1.0	Delta		10
RD 2060 I-17	E	0.4	Delta		10
RD 2060 I-18	E	0.4	Delta		10
RD 2060 I-19	E	0.2	Delta		10
SCWA Putah South Canal	C	33.0	SP	All Year	
SCWA New Alamo *	E		U, Tail	Apr-Oct	
SCWA A-1	E		Tail	Apr-Oct	
SCWA Horse	E		U, Tail	Apr-Oct	
SCWA MCCune	E		Tail	Apr-Oct	

HS = Haas Slough
TD = Yolo Bypass Toe Drain
WS = Willow Slough
SWP = State Water Project
CC = Cache Creek
YB = Yolo Bypass
SP = Solano Project
PC = Putah Creek
M&I = Municipal & Industrial
SW = Surface Water from: Cache Creek, Clear Lake, Indian Valley, Putah Creek
* Combination supply and drainage

TABLE 11 - C3

RECONSTRUCTED NATURAL CHANNELS WITHIN DRAINAGE BASIN 11
DOMINATED BY AGRICULTURAL DRAINAGE FLOWS OR AGRICULTURAL SUPPLY FLOWS

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Walnut Canal	E	6.15	SW, GW, U, Tail	Apr - Oct	1, 3, 6, 10, 13, 14
Sweeney Creek	E	4	Tail, SP	Apr - Oct	3, 6, 13, 14
Gibson Canyon Creek	E	5.5	Tail	Apr - Oct	3, 6, 13, 14
Ulatis Creek	E	5.5	Tail, U, SP	Apr - Oct	3, 6, 8, 10, 13, 14
Ulatis Channel	E	13	Tail, OP	Apr - Oct	3, 6, 8, 10, 13, 14
Willow Slough Bypass	E	7	U, WW, Tail, NF	Jan - Dec	3, 6, 8, 10, 13, 14
South Fork of Putah Creek	E	10	U, WW, Tail, C	Jan - Dec	2, 3, 6, 8, 10, 13, 14
Duck Slough	E	2.5	Tail, SW	Jan - Dec	1, 3, 6, 13, 14
Shag Slough	E	1.5	Tail, SW	Jan - Dec	1, 3, 6, 13, 14

DRAINAGE BASIN 15

Drainage Basin 15 is composed of three small watersheds between the Feather River (Oroville Area) on the north and west, and the Bear River on the south. The basin consists of the valley floor portions of these watersheds that lie east of the Feather River. Within these three watersheds, 13 water agencies, which cover over 172, 838 acres, supplied details of facilities within their districts. The agencies have authority over water supply and other water and drainage related activities within their boundaries. Those agencies are:

Oroville-Wyandotte Irrigation District
Yuba County Water Agency
Brophy Water District
South Yuba Water District
Browns Valley Irrigation District
Cordura Irrigation Company
Hallwood Irrigation Company
Ramirez Water District
City of Wheatland
Wheatland Irrigation District
Reclamation District 784
Plumas Mutual Irrigation District
Camp Far West Irrigation District
Dana & Dana, Inc.

None of the streams in the northmost (Honcut Creek) watershed are dominated by agricultural drainage. Five streams, including the lower portion of Honcut Creek, are dominated by agricultural supply water that is spilled or released from canals distributing Virginia Ranch Reservoir water (Dry Creek). These flows are not always continuous but do represent a significant portion of the flow into these normally dry creeks.

The second watershed is the Jack Slough drainage. Jack Slough functions as the main drainage channel for the basin. Most of the Slough has been reconstructed and acts as a principal water supply route for the agriculture in the area. The lower portion, although moving along the approximate alignment of the former channel, has been extensively realigned and reconstructed to be used for both agricultural supply and agricultural return flows. The lowest portion carries principally agricultural return flows.

The third watershed is between the Yuba and Bear Rivers. The flow is in a southwestern direction, but many of the natural channels have been realigned and reconstructed for freeway and railroad passage and construction. The lowest portions of the streams in this watershed are significantly influenced by agricultural return flows, and these flows dominate these channels especially in the absence of any natural flow during dry periods.

All three watersheds are semi-arid and few, if any, of these creeks would flow without irrigated agricultural inputs in their valley floor portions. During the irrigation season, especially with rice production, these channels are dominated by the supply or return flow water.

DRAINAGE BASIN 15

An analysis shows that all or a part of 21 water bodies are natural streams that are dominated by agricultural drainage or irrigation supply water. Six of these are dominated by agricultural drainage.

These water bodies include:

Reeds Creek	Dry Creek (north)	Plumas Lake Drain
Hutchinson Creek	Wilson Creek	Algodon Slough
No Name Creek	Jack Slough	Baxter Slough
Tennessee Creek	Grasshopper Slough	Kimball Creek
Prairie Creek	Messick Lake	Simmerly Slough
No. Honcut Creek	Clark Slough	Dry Creek (south)
So. Honcut Creek	Best Slough	Little Dry Creek

The reaches of each natural channel that are dominated by agricultural activities are listed in Tables 15-B1 and 15-B2. Natural channels that have been extensively reconstructed and no longer act as a natural channel are listed in Table 15-C3 as a constructed facility. A short description of each of the water bodies listed in these three tables follows. In addition, constructed agricultural drains and supply canals are listed in Table 15-C1 and 15-C2, respectively.

Monitoring in this basin should emphasize Jack Slough, Clark Slough Drain and the Western Railroad Diversion Canal.

CATEGORY B1 WATER BODIES

GRASSHOPPER SLOUGH (Diversion to Grass Valley Road): Grasshopper Slough is an ephemeral flood channel which carries little or no flow beyond the rainy season. The Slough may have seepage flows when the Bear River is carrying flood flows. A recent diversion structure in the Slough diverts flow directly to Dry Creek. Downstream of this point, Grasshopper Slough is a series of natural and reconstructed channels that are earthlined and piped. Flow in the upper reach is highly variable and completely dominated by return flows from irrigated agriculture within the Wheatland and Camp Far West Irrigation Districts, but no continuous flow results. Flow in the lower portion is also highly variable and often regulated by Ag discharges and the City of Wheatland discharges. Large portions of this lower reach are often dry in the summer period. The lower portion of the Slough discharges into Dry Creek at different locations due to artificial barriers, such as roads and railroads. Major portions of the Slough have been extensively reconstructed or eliminated.

DRAINAGE BASIN 15

MESSICK LAKE: Messick Lake is a small natural depression which acts as an informal storage reservoir for agricultural irrigation return flows. In the absence of these flows, the Lake would be dry.

REEDS CREEK: Reeds Creek is a small ephemeral stream that has little or no natural flow beyond rainfall periods (March to November) each year. The Creek has been used for years to transport Yuba River water into the Brophy and South Yuba Water Districts. Previously, water was released into the Creek near the Yuba River, but construction of a main distribution canal resulted in the reach upstream of North Beale Road to return to its natural dry condition. Downstream of this point, the Creek is dominated by agricultural supply water released into it for eventual distribution downstream. The lowest reach of Reeds Creek has been reconstructed and channeled into the Western Pacific Interceptor Drain. The flow in the Creek is sometimes dominated (August - September) by agricultural return flow waters.

DRY CREEK (South): Dry Creek (south) is an ephemeral stream originating outside the project area. Flow in the Creek is principally from November to April of each year with flows from May to October dominated by irrigation return flows. This dominance occurs downstream of the Grasshopper Slough inflow point. Because of the nature of irrigation, flows may vary dramatically over short periods of time and extensive dry periods may occur. Upstream of the Grasshopper Slough inflow, Dry Creek receives intermittent agricultural drainage, however, the volume of drainage is too limited to provide a continuous flows.

CLARK SLOUGH (Upstream of Plumas Lake Canal): Clark Slough upstream of the Plumas Lake Canal is a flood channel in the area near the confluence of the Yuba and Feather Rivers. This reach of Clark Slough is also known as Lateral 13 within the boundaries of Reclamation District 784. Because the area has been surrounded by levees, the Slough is now an ephemeral dry wash. The portion upstream of the Plumas Lake Canal is still primarily a natural channel that carries only agricultural surface water return flows in the irrigation season and rainfall runoff from agricultural and urban areas in the winter. Flow in this portion of the Slough is highly variable. Runoff from the golf course also enters the Slough. These flows dominate this portion of the channel during the irrigation season and stormwater flows dominate in the winter months. The slough has been realigned and rerouted to the Algodon Canal for eventual discharge to the Bear River.

CATEGORY B2 WATER BODIES

REEDS CREEK: Reeds Creek is a small ephemeral stream that has little or no natural flow beyond rainfall periods (March to November) each year. The Creek has been used for years to transport Yuba River water into the Brophy and South Yuba Water Districts. Previously, water was released into the Creek near the Yuba River, but construction of a main distribution canal resulted in the reach upstream of North Beale Road to return to its natural dry condition. Downstream of this point, the Creek is dominated by agricultural supply water released into it for eventual distribution downstream. The lowest reach of Reeds Creek has been reconstructed and channeled into the Western Pacific Interceptor Drain. The flow in the Creek is sometimes dominated (August - September) by agricultural return flow waters.

HUTCHINSON CREEK: Hutchinson Creek is an ephemeral creek that has no natural flow beyond rainfall periods (March to November) each year. The Creek is now used to transport surface supply water to downstream users. The Creek is dominated by agricultural supply water released into it for eventual distribution downstream. The flow in the Creek can be dominated by agricultural return flows especially in August - September when the rice fields are being drained. Some of these return flows are recaptured downstream for agricultural use; otherwise, it joins the flow in Reeds Creek.

BEST SLOUGH (Highway 65 to Forty Mile Road): Best Slough is an overflow channel of Dry Creek (south) and drains low-lying areas north of Dry Creek (south). The Slough is an ephemeral dry wash with little or no flow beyond the November-March period. The Slough east of Highway 65 has only natural flow. West of Hwy 65, the Slough is used to carry Yuba River supply water to local irrigated areas. Because the service area around it is so small, little flow is released into it; therefore, it has extended periods of dryness if no agricultural return flows enter the Slough. The portion west of Forty-Mile Road has been extensively leveed and realigned to eventual discharge into the Western Pacific Interceptor Drain.

NO NAME CREEK: No Name Creek is a very small ephemeral stream that has no natural flow other than that which occurs immediately after heavy rainfall. Flow in the Creek is dominated by agricultural supply water which is released into the Creek from the Brophy East Lateral. It is transported in the Creek for use downstream. The flow releases into the Creek are not continuous, and beneficial uses are established as a result of the operational scheme. Flow in the Creek joins Reeds Creek downstream. Source of water in the Creek is Yuba River water.

DRAINAGE BASIN 15

TENNESSEE CREEK, PRAIRIE CREEK, SOUTH HONCUT CREEK, DRY CREEK (NORTH) AND DRY CREEK (NORTH) TRIBUTARIES: These creeks are natural ephemeral creeks that carry no natural flow from May to November each year. Flow does occur in these creeks during the irrigation season as a result of water diverted or spilled from canals carrying water from the Dry Creek/Virginia Ranch Dam and Reservoir. The flows in the irrigation season are not always continuous nor are they continuous over the entire length of the stream. In those reaches where spills and discharges occur, these make up the only flow.

WILSON CREEK, NORTH HONCUT CREEK AND SOUTH HONCUT CREEK: These are natural ephemeral creeks that carry no natural flow from May to November each year. Flow does occur in portions of these creeks during the irrigation season as a result of operation spill or releases from canals carrying water from the Yuba River. These flows are not always continuous nor are they continuous over the entire reach of stream. Where these flows occur, they dominate the stream characteristics.

JACK SLOUGH (Upstream of Trainer Hills): Jack Slough upstream of the Trainer Hills flows in its original channels. There is no natural flow outside the winter rain period. Flow in the slough in this reach is dominated by the channel being used for distribution of irrigation supply water.

CATEGORY C3 WATER BODIES

PLUMAS LAKE DRAIN: The Plumas Lake Drain is a reconstructed and realigned Slough that previously drained the Plumas Lake area. The Plumas Lake area was regraded and drained during the construction of Highway 70, and it no longer exists. The Plumas Lake Drain is now used to carry off ag tailwater and stormwater runoff. The Drain has no natural flow.

ALGODON SLOUGH DRAIN: Algodon Slough Drain was reconstructed, realigned and modified as a result of construction of State Highway 70 and the railroad grades. None of the original channel exists and flow is entirely agricultural and urban runoff.

BAXTER SLOUGH: Baxter Slough is a small flood channel that has been extensively realigned and modified to carry drainage water off both agricultural land and the City of Wheatland. Without the agricultural flows, the Slough would be permanently dry as flood flows from the Bear River have been cut off; therefore, no natural flow can enter the Slough.

DRAINAGE BASIN 15

KIMBALL CREEK: Kimball Creek is a very small ephemeral flood water course that has been realigned and modified to carry agricultural supply water from the Yuba River that is released into it. Because it acts only as a flood water channel and has been highly modified, the original Kimball Creek no longer exists.

SIMMERLY SLOUGH: Simmerly Slough is a small overflow flood channel for Jack Slough. This Slough only carries natural flow during periods of rainfall and similar flood events. The remainder of the year, it carries no natural flow. The Slough is presently used to carry agricultural supply water and agricultural drainage water. Instream beneficial uses have developed as a result of the irrigation activities rather than natural flow. All of the original Slough has been realigned, channelized and modified to act as a delivery canal and drain.

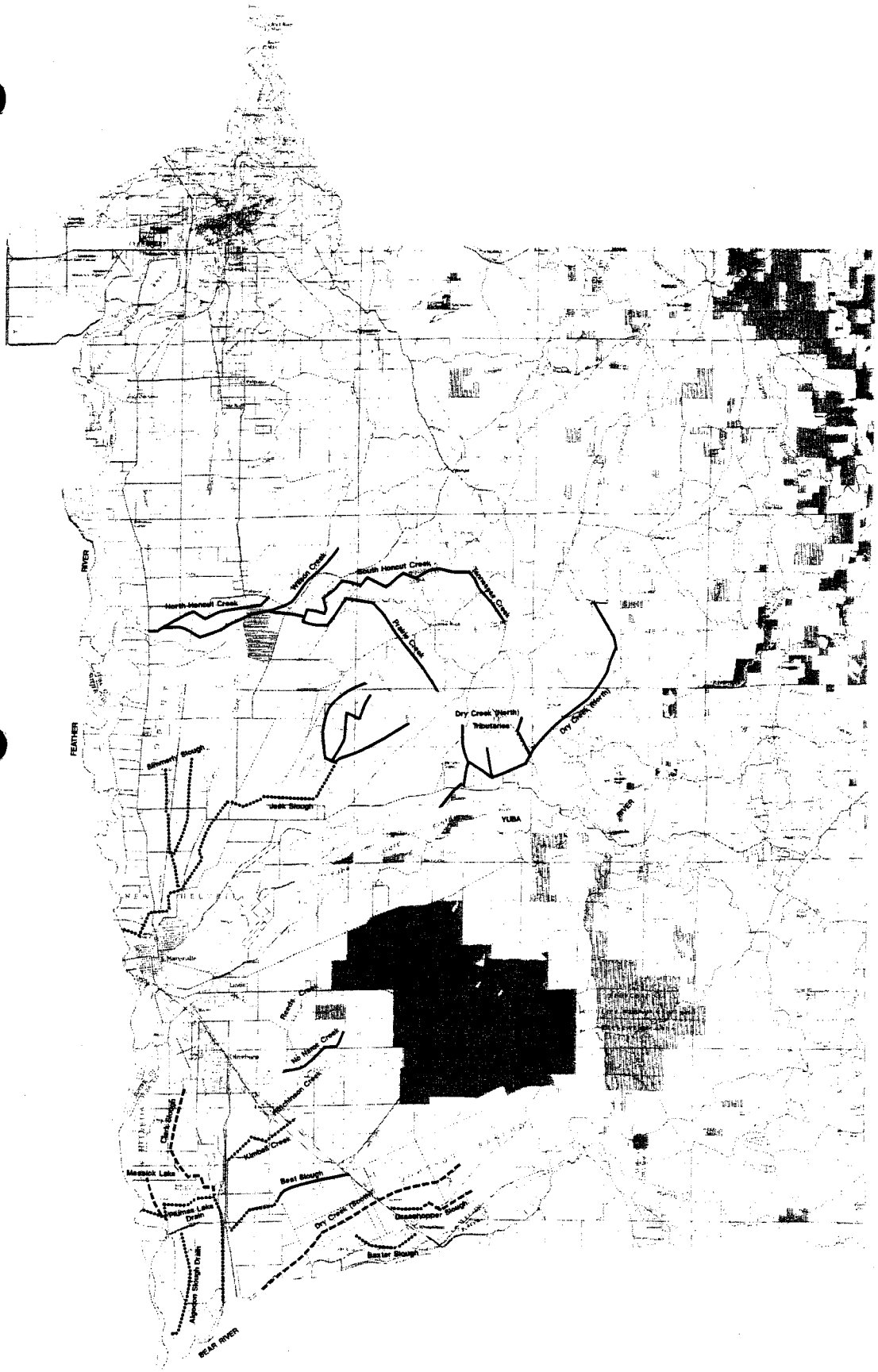
JACK SLOUGH (Downstream of Trainer Hills): Jack Slough downstream of Trainer Hills is a natural slough that has been cleaned, modified and realigned for flood control, drainage and water supply. The flow in the Slough beyond the irrigation season is entirely irrigation related flows (drainage). The Slough carries both irrigation supply water and irrigation return flows (drainage). During the irrigation water supply season (March - August), almost all the agricultural return flows are blended back into the supply water for reuse. After the irrigation season, the Slough carries only agricultural return flows or drainage (August - October). During the winter period, the Slough carries stormwater runoff and drainage, as well as drainage from waterfowl wetland areas.

CLARK SLOUGH (Downstream of Plumas Lake Canal): The portion downstream of the Plumas Lake Canal is a dry wash whose flows consist entirely of irrigation supply flows or agricultural drainage waters. The downstream portion has been extensively realigned and channelized and no longer functions as a natural slough.

BEST SLOUGH (Downstream of Forty Mile Road): Best Slough is an overflow channel of Dry Creek and drains low-lying areas north of Dry Creek. The Slough is an ephemeral dry wash with little or no flow beyond the November-March period. The Slough east of Highway 65 has only natural flow. West of Hwy 65, the Slough is used to carry Yuba River supply water to local irrigated areas. Because the service area around it is so small, little flow is released into it; therefore, it has extended periods of dryness if no agricultural return flows enter the Slough. The portion west of Forty-Mile Road has been extensively leveed and realigned to eventual discharge into the Western Pacific Interceptor Drain.

DRAINAGE BASIN 15

GRASSHOPPER SLOUGH (Downstream of Grass Valley Road): Grasshopper Slough is an ephemeral flood channel which carries little or no flow beyond the rainy season. The Slough may have seepage flows when the Bear River is carrying flood flows. A recent diversion structure in the Slough diverts flow directly to Dry Creek. Downstream of this point, Grasshopper Slough is a series of natural and reconstructed channels that are earthlined and piped. Flow in the upper reach is highly variable and completely dominated by return flows from irrigated agriculture within the Wheatland and Camp Far West Irrigation Districts, but no continuous flow results. Flow in the lower portion is also highly variable and often regulated by Ag discharges and the City of Wheatland discharges. Large portions of this lower reach are often dry in the summer period. The lower portion of the Slough discharges into Dry Creek at different locations due to artificial barriers, such as roads and railroads. Major portions of the Slough have been extensively reconstructed or eliminated.



DRAINAGE BASIN 15

N

NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)

NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)

RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C)

NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 15 - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 15 DOMINATED BY AGRICULTURAL DRAINAGE FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Reeds Creek (Aug - Oct)	7.6		Tail	Aug - Oct	1, 6
Grasshopper Slough (diversion to Grass Valley Road)	1.0		Tail, U	unknown	1, 6, 10
Dry Creek (South)	6.0		Tail, U	Mar - Oct	1, 6, 10
Messick Lake	1.0		Tail	Mar - Oct	1, 6
Clark Slough (upstream of Plumas Lake Canal)	3.0		Tail, U	Mar - Oct	1, 6, 10
Hutchison Creek				Aug - Sep	

TABLE 15 - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 15 DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Jack Slough (upstream of Trainer Hills)	5.2	Yuba River, Tail	Mar - Nov	1, 6
Wilson Creek	3.7	Yuba River	Apr - Oct	None
North Honcut Creek	3.3	Yuba River	Apr - Oct	None
South Honcut Creek	15.3	Yuba River/Dry Ck	Apr - Oct	None
Tennessee Creek	5.3	Dry Creek	Apr - Oct	None
Prairie Creek	6.8	Dry Creek	Apr - Oct	None
Dry Creek Tributaries	10+	Dry Creek	Apr - Oct	None
No-Name Creek	5.5	Yuba River	Apr - Oct	None
Hutchinson Creek	5.1	Yuba River	Apr - Oct	None
Reeds Creek (Mar - Aug)	7.6	Yuba River	Apr - Oct	None
Best Slough (Hwy 65 to Forty Mile Rd)	3.0	Yuba River	Apr - Oct	None
Dry Creek (North)	11.6	Virgina Ranch Res.	Apr - Oct	None

TABLE 15 - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 15

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Camp Far West ID						
Unnamed Drain #1-1	E	2.6	1086	NF	Feb - Oct	
Grasshopper Slough (old)	E	0.5	175	NF, Tail	Feb - Oct	
Drain 2-1	E	0.2	50	Tail	Feb - Oct	
Drain 2-2	E	1.0	450	Tail	Feb - Oct	
Unnamed Drain # 2-1	E	0.4	35	Tail	Feb - Oct	
Drain 2-2	P	0.3	-	Tail	Feb - Oct	
Drain 3-1	E	0.3	75	Tail	Feb - Oct	
Drain 3-2	E	0.4	287	Tail	Feb - Oct	
Drain 4-1	E	0.6	91	Tail	Feb - Oct	
Drain 4-2	E	0.1	111	Tail	Feb - Oct	
Drain 4-3	E	1.4	191	Tail	Feb - Oct	
Drain 5-1	E	0.8	115	Tail	Feb - Oct	
Drain 5-2	E	0.5	125	Tail	Feb - Oct	
Drain 5-3	E	0.3	50	Tail	Feb - Oct	
Drain 5A-1	E	0.3	125	Tail	Feb - Oct	
Drain 6-1	E	0.5	56	Tail	Feb - Oct	
Drain 6-2	E	0.4	123	Tail	Feb - Oct	
Drain 7-1	E	0.3	61	Tail	Feb - Oct	
Drain 7-2	E	0.6	101	Tail	Feb - Oct	
Unnamed Drain # 8-6	E	0.3	111	Tail	Feb - Oct	
Unnamed Drain # 11-7	E	0.2	115	Tail	Feb - Oct	
Unnamed Drain # 12-8	E	0.1	45	Tail	Feb - Oct	
Wheatland ID						
City Storm Drain	E	0.8		U	Feb - Oct	10
Yuba County WA						
Western Pacific Interceptor Drain	E	6.8		Tail, U, NF	Year Round	1, 6, 10
Olivehurst Drain	E	4.0		Tail, U, NF	Feb - Oct	10
Linda Drain	E	5.0		Tail, U, NF	Feb - Oct	10
RD 784						
Lateral 5	E	1.0	-	NF, Tail	Jan - Dec	
Lateral 6	E	2.4	3100	NF	Oct - May	
Lateral 7	E	0.2	-	NF	Oct - May	
Lateral 8	E	0.2	-	NF	Oct - May	
Lateral 9	E	0.7	-	NF	Oct - May	
Lateral 10	E	0.3	-	NF	Oct - May	
Lateral 11	E	0.3	-	NF	Oct - May	
Lateral 12	E	0.3	-	NF	Oct - May	
Lateral 13	E	4.7	-	NF	Oct - May	
Lateral 14	E	2.8	-	NF	Oct - May	
Lateral 15	E	7.0	-	NF	Oct - May	
Lateral 16	E	2.5	-	NF	Oct - May	
Lateral 17	E	0.6	-	NF	Oct - May	
Plumas Lake Canal	E	3.1	4050	NF, Tail	Oct - May	
WPIC	E	4.4	1800	Tail	Jan - Dec	
Plumas Mutual WD						
A Lateral	E	1.7	1500	Tail	Mar - Oct	1, 6
B Ditch	E	2.0	550	Tail	Mar - Oct	1, 6
C Lateral	E	1.0		Tail	Mar - Oct	1, 6
Drain "D"	E	0.8	450	Tail	Mar - Oct	1, 6
Drain "E"	E	0.8	450	Tail	Mar - Oct	1, 6
Drain "F"	E	1.0	165	Tail	Mar - Oct	1, 6
Drain "G"	E	0.6	150	Tail	Mar - Oct	1, 6
Drain "H"	E	0.5	60	Tail	Mar - Oct	1, 6
Drain "I"	E	0.5		Tail	Mar - Oct	1, 6
Drain "J"	E	0.9	120	Tail	Mar - Oct	1, 6
VVP Drain	E	0.3	200	Tail	Mar - Oct	1, 6

TABLE 15 - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 15

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Oroville-Wyandotte ID					
Palermo Canal	E	8.7	Feather River	Apr - Oct	
North Ditch	E	5.3	Feather River	Apr - Oct	
Center Ditch	E	3.4	Feather River	Apr - Oct	
South Ditch	E	7.0	Feather River	Apr - Oct	
Tank Ditch	E	2.5	Feather River	Apr - Oct	
Villa Verona	E	0.7	Feather River	Apr - Oct	
Villa Verona Pipe	E	0.5	Feather River	Apr - Oct	
Drescher pipeline	P	1.2	Feather River	Apr - Oct	
Henderson Ditch	E	2.1	Feather River	Apr - Oct	
Wentworth pipe	E	1.1	Feather River	Apr - Oct	
Bangor Canal	E	8.1	Feather River	Apr - Oct	
Bangor Canal	C	1.9	Feather River	Apr - Oct	
Cleveland Ave. Ditch	E	1.5	Feather River	Apr - Oct	
Bald Hills Ditch	E	2.8	Feather River	Apr - Oct	
District center Ditch	E	1.1	Feather River	Apr - Oct	
Dunstone Pipeline	P	1.1	Feather River	Apr - Oct	
Summit Ave. Ditch	E	0.6	Feather River	Apr - Oct	
Summit Ave. Pipe	P	0.5	Feather River	Apr - Oct	
Forbestown Ditch	E	23.0	Feather River	Apr - Oct	
Miller Hill Ditch	E	10.2	Feather River	Apr - Oct	
South Honcut	E	2.7	Feather River	Apr - Oct	
Central Bangor Ditch	E	1.7	Feather River	Apr - Oct	
North Honcut Ditch	E	2.3	Feather River	Apr - Oct	
Wyandotte ditch	E	3.4	Feather River	Apr - Oct	
Minnie Gray	E	1.1	Feather River	Apr - Oct	
Sunny Slope Ditch	E	2.7	Feather River	Apr - Oct	
Sunny Slope pipes	P	5.3	Feather River	Apr - Oct	
Miners Ranch Canal	C	7.4	Feather River	Apr - Oct	
Oroville Lateral	E	3.4	Feather River	Apr - Oct	
Hipp Ditch	E	1.1	Feather River	Apr - Oct	
Yuba County WA					
Browns Valley ID					
Cordua ID					
Hallwood IC					
Ramirez WD					
Browns Valley Main Ditch	E	6.8	VRD, DC	Mar - Sep	
Harding Creek Canal	E	3.8	VRD, DC	Mar - Sep	
Lower Browns Valley Ditch	E	8.6	VRD, DC	Mar - Sep	
Mahle Ditch	E	1.2	VRD, DC	Mar - Sep	
Lambert Ditch	E	0.8	VRD, DC	Mar - Sep	
Finch Ditch	E	1.9	VRD, DC	Mar - Sep	
Hoover Ditch	E	1.2	VRD, DC	Mar - Sep	
Arnold Ditch	E	5.2	VRD, DC	Mar - Sep	
Ellis Ditch	E	1.7	VRD, DC	Mar - Sep	
Sicard Flat Ditch	E	10.5	VRD, DC	Mar - Sep	
Heinsen Ditch	E	6.6	VRD, DC	Mar - Sep	
Olive Hill Ditch	E	7.4	VRD, DC	Mar - Sep	
Palmer Ditch	E	1.7	VRD, DC	Mar - Sep	
Pump Line Ditch	E	18.4	Yuba River	Mar - Sep	
Stagno Ditch	E	1.1	Yuba River	Mar - Sep	
Dexter Ditch	E	0.3	Yuba River	Mar - Sep	
Barrie Ditch	E	0.4	Yuba River	Mar - Sep	
Hawk Ditch	E	2.3	Yuba River	Mar - Sep	
Olive Hill Extension	E	0.8	Yuba River	Mar - Sep	
Cordua Main Canal	E	11.5	Yuba River	Mar - Sep	
Cordua/Hallwood Main Canal	E	2.0	Yuba River	Mar - Sep	
Stahl Ditch	E	5.5	Yuba River	Mar - Sep	
Yuba County WA					
Browns Valley ID					
Cordua ID					
Hallwood IC					
Ramirez WD					
Unnamed Laterals	E	various	Yuba River	Mar - Sep	
Ramirez Main Canal	E	7.0	Yuba River	Mar - Sep	
Western Pacific Canal	E	6.5	Yuba River	Mar - Sep	
Hallwood Main Canal	E	7.5	Yuba River	Mar - Sep	

Table 15-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Camp Far West ID					
North Side Canal	C	3.6	Bear River	Mar - Sep	
North Side Canal	E	0.7	Bear River	Mar - Sep	
South Side Canal	C	0.6	Bear River	Mar - Sep	
South Side Canal	E	3.2	Bear River	Mar - Sep	
Yuba County WA					
Brophy County WD					
South Yuba WD					
YCWA Main Canal	E	15.0	Yuba River	Mar - Sep	
Brophy West Lateral System	E	11.4	Yuba River	Mar - Sep	
Brophy East Lateral	E	2.5	Yuba River	Mar - Sep	
South Yuba Main Lateral	E	6.8	Yuba River	Mar - Sep	
South Yuba West Lateral	E	1.2	Yuba River	Mar - Sep	
Plumas Mutual WC					
RD 784					
Ditch "C"	E	0.5	Tail, Feather River	Mar - Sep	
Clark Slough	E	4.4	Tail, Feather River	Mar - Sep	
Lateral 5	E	1.0	Tail, Feather River	Mar - Sep	
Plumas Mutual Canal	E	2.3	Feather River	Mar - Sep	

VRD= Virginia Ranch Dam; DC= Dry Creek

TABLE 15 - C3

RECONSTRUCTED NATURAL CHANNELS WITHIN DRAINAGE BASIN 15
DOMINATED BY AGRICULTURAL DRAINAGE FLOWS OR AGRICULTURAL SUPPLY FLOWS

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Simmerly Slough	E	3.4	Yuba River	Mar - Nov	1, 6
Jack Slough (downstream of Trainer Hills)	E	6.0	Yuba River	Mar - Nov	1, 6
Best Slough (Forty Mile Rd to Western Pacific Interceptor Drain)	E	2.2	Yuba River	Mar - Nov	1, 6
Kimball Creek	E	2.5	Yuba River	Mar - Nov	None
Baxter Slough	E	2.9	Tail, U	unknown	1, 6, 10
Clark Slough (downstream of Plumas Lake Canal)	E	4.4	Tail, Feather River	Jan - Dec	1, 6
Algodon Slough Drain	E	4.1	Tail, U	Oct - May	1, 6, 10
Plumas Lake Drain	E	2.0	Tail, U	Jan - Dec	1, 6, 10
Grasshopper Slough (downstream of Grass Valley Rd)	E	2.0	Tail, U	unknown	1, 6, 10

DRAINAGE BASIN 19

Drainage Basin 19 consists of the valley floor within the Sacramento River Basin that lies east of the Sacramento River and south of the confluence of the Bear and Feather Rivers. The area is bordered in the south by the Mokelumne and Consumnes Rivers. The center third of the basin is dominated by the City of Sacramento and surrounding urban and incorporated areas.

Six reclamation and water agencies representing approximately 300,000 acres in the northern third of the basin, provided information on water bodies within their boundaries. The agencies included:

South Sutter Water District
Natomas Central Mutual Water Company
Reclamation District 1000
Reclamation District 1001

and portions of:

Nevada Irrigation District
Placer County Water Agency

These agencies have authority over water supply and/or drainage within their boundaries.

The water bodies within the remaining portion of the area will be considered natural channels which are not dominated by agricultural activities.

The majority of creeks in the northern third of the basin are ephemeral and would remain dry during the irrigation season (May to October) without agriculture's influence and inflows from urban areas. Historically, the channels originated in the Sierra foothills and carried flood flows westerly to pond in wetland areas near the Sacramento River. These low lying areas are currently in rice production so spring and summer flows are dominated by agricultural activities.

Due to the concern of herbicides in rice tailwater impacting the Sacramento River and downstream drinking water supplies, the rice growing area is operated as a closed system between May and September, with all tail and supply water being recycled. A large portion of this area (approximately 55,000 acres in the northwest corner) was completely enclosed by levees in 1915 and operates entirely as a closed system, recirculating irrigation water and pumping flood water to the Sacramento River during storm events. All channels within this levee are considered constructed.

The natural streambeds transversing the land east of the leveed areas have been extensively reconstructed as they approach the levees and now drain to the East Side Canal, where the water then flows to the Natomas Cross Canal and finally the Sacramento River just below its confluence with the Feather River. The East Side Canal and Natomas Cross Canal were constructed primarily as

flood control structures although they are dominated by agricultural activities during the irrigation season.

During the irrigation season, water is pumped or diverted to the northwest area from the Bear and Sacramento Rivers and groundwater wells. These flows travel through conveyance canals which run north to south and may be diverted to constructed canals and natural stream channels which run east to west. Tail water is mixed with the supply water either through direct drainage or after the district water is recycled. Thus, during the irrigation season, these channels are dominated by agricultural water.

East of the levees, irrigation water originates from a series of holding reservoirs along the upper reaches of the Bear River, Canyon Creek, Deer Creek, and several small tributaries. The irrigation season normally runs from mid-April to mid-October. Minimal agricultural return flows are known to occur within the northeast portion of the drainage basin. When the natural ephemeral streams are carrying water during the irrigation season, the dominant source downstream of urban areas is effluent water from wastewater treatment plants in the cities of Nevada City, Grass Valley, and Auburn.

Based on information from the responding agencies, nine natural stream channels within Drainage Basin 19 were determined to be agriculturally dominated. These channels include:

Yankee Slough	Pleasant Grove Creek
Coon Creek	Ping Slough
Bunkham Ravine	Curry Creek
Markham Ravine	Auburn Ravine
King Slough	

The agriculturally dominated reaches of the natural channels are listed in Tables 19-B1 and 19-B2. Reaches of the channels which were reconstructed for agricultural purposes are listed in Table 19-C3. Each of these waterbodies is described in more detail below. In addition, constructed agricultural drains and supply canals are listed in Table 19-C1 and 19-C2, respectively.

CATEGORY B1 WATER BODIES

YANKEE SLOUGH: This natural ephemeral stream originates near Camp Far West Reservoir and carries flood flows to a holding pond at the Bear River where water can be pumped to the river itself. The lower ten miles of the Slough are dominated by agricultural activity during the irrigation season.

COON CREEK (Upstream of the East Side Canal): A water body which originates in the Sierra foothills as an extension of the South Fork of Dry Creek, Coon Creek is an ephemeral stream which can no longer physically drain to the Feather River due to extensive reconstruction along its lower reaches. In the 9.4 mile reach from the Sutter/Placer County line to the East Side Canal, the natural channel is dominated by agricultural activity between March and October. Upstream reaches of the Creek are dominated by urban runoff.

BUNKHAM SLOUGH (Upstream of Pleasant Grove Road): This Slough is the lower arm of Coon Creek and is similar to the Creek in that it is dominated by agricultural activities along its 9.4 mile reach between the Sutter/Placer County line and its discharge into Markham Ravine.

MARKHAM RAVINE (Upstream of Pleasant Grove Road): A natural, ephemeral stream originating northeast of Lincoln, Markham Ravine carries flood flows into the East Side Canal. The final 6.8 miles of the stream before its discharge is dominated by agricultural activities during the irrigation season.

AUBURN RAVINE (Upstream of Pleasant Grove Road): Auburn Ravine originates near the City of Auburn in the Sierra foothills. The stream continues west until it discharges into the East Side Canal. The final six miles of the stream is dominated by agricultural activities during the irrigation season when it is used to carry irrigation supply water and agricultural return flows. The upstream reach is dominated by treated effluent from the City of Auburn.

KING SLOUGH (Upstream of Western Pacific Railroad): This channel is a five mile long slough which discharges to the East Side Canal. The slough receives minimal runoff during the winter months and is dominated by agricultural activities during the irrigation season.

PLEASANT GROVE CREEK: This creek originates near Loomis and flows west until discharging into an extension of the Cross Canal known as the Pleasant Grove Creek Canal. A natural, ephemeral stream, the lower 4.5 miles, from Pettigrew Road West to its discharge, is dominated by agricultural supply and drainage between March and October each year. The upstream reach is dominated by urban runoff.

CATEGORY B2 WATER BODIES

PING SLOUGH (Upstream of Cornelius Ave.): Ping Slough is an ephemeral stream which would naturally be dry except for major storm events. This five mile reach of slough is currently used as a conveyance system for irrigation supply water.

CATEGORY C3 WATER BODIES

CURRY CREEK: Historically a natural stream, the western most portion of this Creek lies within a reclamation district which was enclosed by levees around 1915. The 1.2 miles of the Creek within the reported area now carries only pumped river water, reclaimed tailwater and storm runoff for irrigation and flood control. This part of Curry Creek is now a reconstructed dry wash used to carry agricultural supply and return flow.

PING SLOUGH (Downstream of Cornelius Avenue): The downstream three mile reach of Ping Slough has been extensively reconstructed and realigned before its discharge into the reconstructed Coon Creek channel. This portion of the slough is also denoted as the Main Canal for Reclamation District 1001.

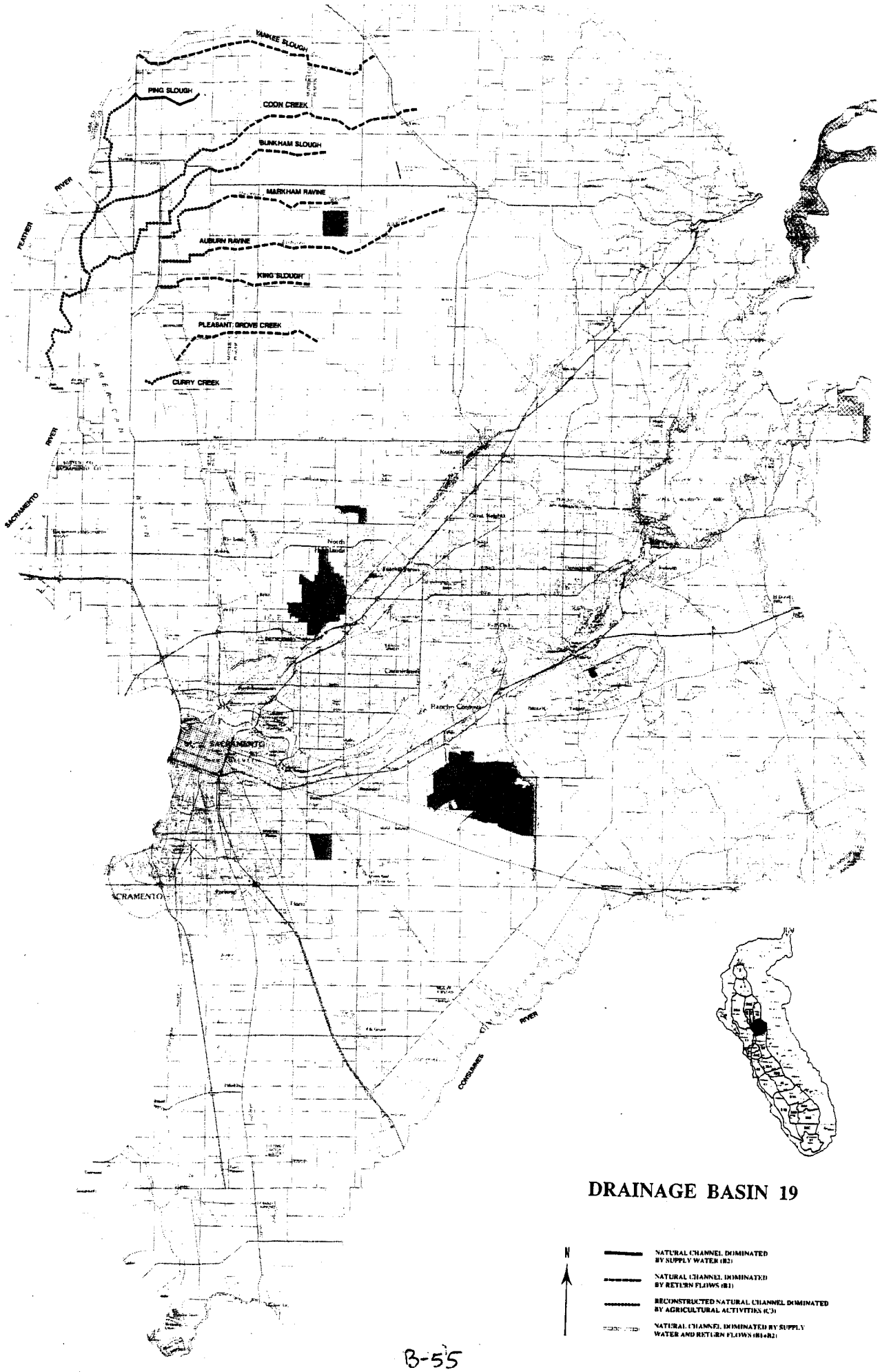
COON CREEK (Downstream of the East Side Canal): The final nine mile reach of Coon Creek has been extensively reconstructed and realigned to serve as Lateral 8 for Reclamation District 1001. Downstream of its junction with Ping Slough, Coon Creek is also known as the Main Canal.

BUNCKHAM SLOUGH (Downstream of Pleasant Grove Road): As part of the Coon Creek/Auburn Ravine Interceptor Group, the three mile reach of Bunckham Slough downstream of Pleasant Grove Road was reconstructed to facilitate moving flood flows into Markham Ravine and the East Side Canal. Natural flow into the lower four mile reach of Bunckham Slough was effectively cut off by the construction of the East Side Canal. The lower reach was reconstructed and is currently utilized for agricultural supply and drainage before its discharge into the Main Canal.

MARKHAM RAVINE (Downstream of Pleasant Grove Road): This 2 1/2 mile reach of Markham Ravine was constructed to facilitate discharge of flood flows into the East Side Canal. The channel is dominated by agricultural activities during the irrigation season. The stream no longer exists west of the Canal.

AUBURN RAVINE (Downstream of Pleasant Grove Road): This final two mile reach of Auburn Ravine was reconstructed to facilitate flood flows into the East Side Canal. During the irrigation season, the channel is dominated by agricultural activities. The natural channel no longer exists west of the Canal.

KING SLOUGH (Downstream of the Western Pacific Railroad): The final one mile reach of the King Slough has been reconstructed to facilitate flood flows into the East Side Canal. During the irrigation season, the channel is dominated by agricultural activities.



DRAINAGE BASIN 19

TABLE 19 - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 19
DOMINATED BY AGRICULTURAL DRAINAGE FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Yankee Slough	9.9		Bear River, WW	May - Oct	14
Coon Creek (Upstream of East Side Canal)	9.4		Bear River	Mar - Oct	10
Bunkham Slough (Upstream of Pleasant Grove Road)	9.4		Bear River	Mar - Oct	
Markham Ravine (Upstream of Pleasant Grove Road)	6.8		Bear River, Tail	May - Oct	14
King Slough (Upstream of Western Pacific Railroad)	5		Bear River	May - Oct	
Auburn Ravine (Upstream of (Pleasant Grove Road)	4.4		Bear River, WW	May - Oct	10, 14
Pleasant Grove Creek	4.5		Bear River	Mar - Oct	10

TABLE 19 - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 19
DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Ping Slough (Upstream of Cornelius Ave.)	5	Bear River	May - Oct	

TABLE 19 - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 19

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Airport West	E	2.1	1000	Tail, NF	May - Sep	
B Drain	E	2.1	900	Tail, U	May - Sep	
C1	E	1.8	1400	Tail, NF	May - Sep	
C2	EP	3.9	1500	Tail, NF	May - Sep	
C3	P	0.6	300	Tail, NF	May - Sep	
CH	E	1.2	1050	Tail, NF	May - Sep	
CH1	E	1.3	850	Tail, NF	May - Sep	
CH2	E	1.0	300	Tail, NF	May - Sep	
D	E	0.9	500	Tail, NF	May - Sep	
D1	E	0.7	250	Tail, NF	May - Sep	
E Drain	E	1.2	300	Tail, NF	May - Sep	
East Drain	E	12.0	6500	Tail, U	May - Sep	
Ernst Road	E	3.3	1000	Tail, NF	May - Sep	
G	E	1.0	350	Tail, NF	May - Sep	
G1	E	0.5	200	Tail, NF	May - Sep	
G2	E	3.2	2000	Tail, NF	May - Sep	
G3	E	1.5	1550	Tail, NF	May - Sep	
G7	E	1.7	900	Tail, NF	May - Sep	
H1	E	0.8	200	Tail, NF	May - Sep	
H2	E	0.9	200	Tail, NF	May - Sep	
H3	E	0.4	200	Tail, NF	May - Sep	
I	E	1.4	1000	Tail, NF	May - Sep	
I2	E	1.7	150	Tail, NF	May - Sep	
J	E	1.2	550	Tail, NF	May - Sep	
J3	E	1.8	700	Tail, NF	May - Sep	
J4	E	0.5	100	Tail, NF	May - Sep	
J6	E	0.7	100	Tail, NF	May - Sep	
J7	E	0.8	150	Tail, NF	May - Sep	
J9	E	0.8	400	Tail, NF	May - Sep	
K	E	1.7	400	Tail, NF	May - Sep	
K1	E	0.6	100	Tail, NF	May - Sep	
K2	E	0.8	100	Tail, NF	May - Sep	
K3	E	0.8	150	Tail, NF	May - Sep	
L	E	2.8	750	Tail, NF	May - Sep	
L1	E	2.8	850	Tail, NF	May - Sep	
L2	E	1.4	550	Tail, NF	May - Sep	
L3	E	1.4	700	Tail, NF	May - Sep	
M7	E	0.5	550	Tail, NF	May - Sep	
M8	E	0.5	400	Tail, NF	May - Sep	
M10	E	0.5	200	Tail, NF	May - Sep	
RD 1000 Main Drain	E	1.2	1200	Tail, U	May - Sep	
N	E	1.0	1350	Tail, NF	May - Sep	
North 1	E	2.9	1250	Tail, NF	May - Sep	
North Drain	E	7.6	3900	Tail, NF	May - Sep	
O	E	2.1	1300	Tail, NF	May - Sep	
O1	E	0.3	200	Tail, NF	May - Sep	
O2	E	0.8	150	Tail, NF	May - Sep	
P	E	1.2	200	Tail, NF	May - Sep	
P4	E	2.0	1400	Tail, Tile	May - Sep	
P6	E	1.4	200	Tail, NF	May - Sep	
Pacific	E	1.8	150	Tail, NF	May - Sep	
Q	E	1.6	1000	Tail, NF	May - Sep	
R Drain	E	1.6	900	Tail, NF	May - Sep	
R1	E	1.7	500	Tail, NF	May - Sep	
R3	E	1.2	850	Tail, NF	May - Sep	
R4	E	0.7	500	Tail, NF	May - Sep	
S Drain	E	2.0	250	Tail, NF	May - Sep	
S1	E	0.9	100	Tail, NF	May - Sep	
S2	E	1.7	300	Tail, NF	May - Sep	
S3	E	0.8	100	Tail, NF	May - Sep	
Schoolhouse Road	E	1.0	550	Tail, NF	May - Sep	
SJ	P	1.9	1600	U	May - Sep	
T Drain	E	1.4	300	Tail, NF	May - Sep	
T1	E	1.3	100	Tail, NF	May - Sep	
T2	E	2.4	1100	Tail, NF	May - Sep	
V	E	2.7	300	Tail, NF	May - Sep	
V1	E	1.4	450	Tail, NF	May - Sep	
W1	E	0.3	200	Tail, NF	May - Sep	

Table 19-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
West Drain (including Fisherman's Lake)	E	8.7	4650	Tail, NF	Nov - Apr	
RD1001 Main Canal	E	18.5	31640	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 3	E	7.0	14760	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 3A-1	E	1.5	640	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 3C	E	0.5	500	Tail, NF	Nov - Apr	1
Lateral 3D	E	1.0	640	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 3E	E	0.8	600	Tail, NF	Nov - Apr	1
Lateral 3F	E	1.8	1120	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 4	E	4.8	800	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 5	E	5.8	1960	Tail, NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 5A	E	2.3	640	NF	Nov - Apr	1
Lateral 5B	E	1.3	800	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 5C	E	0.8	160	Tail, NF	Nov - Apr	1
Lateral 5D	E	1.3	200	Tail, NF	Nov - Apr	1
Lateral 6	E	2.0	640	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 6A	E	1.0	550	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 7	E	3.5	1400	Tail	Jun - Sep	1
				NF	Nov - Apr	
Lateral 8	E	2.8	300	Tail, NF	Nov - Apr	1
Lateral 9	E	3.8	900	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 10	E	1.4	480	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 10A	E	0.9	160	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 11	E	2.0	720	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 12	E	6.0	1000	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 12A	E	0.6	300	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 13	E	1.7	600	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 13A	E	1.9	640	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 14	E	1.4	550	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 15	E	1.0	300	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 16	E	3.0	400	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 17	E	2.7	350	NF	Nov - Apr	1
				Tail	Jun - Sep	
Lateral 18	E	1.5	250	NF	Nov - Apr	1
				Tail	Jun - Sep	
Natomas Cross Canal	E	5.0		NF	Nov - Apr	

TABLE 19 - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 19

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Conveyance Canal	E	5.5	Bear River	Apr - Oct	
Bear River Drive Canal	E	2.5	Bear River	Apr - Oct	
Bear River Drive Pipeline	P	5.8	Bear River	Apr - Oct	
Line 1	E	16.1	Bear River	Apr - Oct	
Line 2	E	5.6	Bear River	Apr - Oct	
Line 3	E	6.9	Bear River	Apr - Oct	
Line 3B	E	3.1	Bear River	Apr - Oct	
Line 4A	E	5.2	Bear River	Apr - Oct	
Line 4B	E	1.6	Bear River	Apr - Oct	
English Canal	E	3.3	Bear River	Apr - Oct	
English Extension	E	1.0	Bear River	Apr - Oct	
Buck Ditch	E	0.8	Bear River	Apr - Oct	
Line 7	E	1.0	Bear River	Apr - Oct	
Line 1A	E	0.4	Bear River	Apr - Oct	
Bertolini Drain	E	2.4	Bear River	Apr - Oct	
Auburn Extension	E	3.5	Bear River	Apr - Oct	
Eastside Canal	E	2.9	Bear River	Apr - Oct	
Coon Creek Drain	E	2.1	Bear River	Apr - Oct	
Line 38 Drain	E	3.2	Bear River	Apr - Oct	
Warren Pacific Drain	E	2.2	Bear River	Apr - Oct	
2A	E	1.4	Sac. River, Tail	Apr - Oct	6
3	E	1.1	Sac. River, Tail	Apr - Oct	6
3A	E	1.9	Sac. River, Tail	Apr - Oct	6
3C	E	1.9	Sac. River, Tail	Apr - Oct	6
4	E	1.4	Sac. River, Tail	Apr - Oct	6
4A	E	0.8	Sac. River, Tail	Apr - Oct	6
5	E	0.7	Sac. River, Tail	Apr - Oct	6
5A	E	0.6	Sac. River, Tail	Apr - Oct	6
6	E	0.9	Sac. River, Tail	Apr - Oct	6
8	E	1.2	Sac. River, Tail	Apr - Oct	6
13	E	0.6	Sac. River, Tail	Apr - Oct	6
13A	E	1.6	Sac. River, Tail	Apr - Oct	6
13B	E	0.5	Sac. River, Tail	Apr - Oct	6
Airport	E	1.6	Sac. River, Tail	Apr - Oct	6
Airport Ditch	E	1.3	Sac. River, Tail	Apr - Oct	6
Airport Drain	E	2.2	Sac. River, Tail	Apr - Oct	6
Airport Fence	E	0.4	Sac. River, Tail	Apr - Oct	6
Barandas	E	0.2	Sac. River, Tail	Apr - Oct	6
Bastio	E	0.3	Sac. River, Tail	Apr - Oct	6
Bayou Way	E	1.1	Sac. River, Tail	Apr - Oct	6
Bennett Drain	E	0.8	Sac. River, Tail	Apr - Oct	6
Bennett Loop	E	1.5	Sac. River, Tail	Apr - Oct	6
Bennett Main	E	2.7	Sac. River, Tail	Apr - Oct	6
Bennett South	E	0.6	Sac. River, Tail	Apr - Oct	6
Bennett West	E	0.4	Sac. River, Tail	Apr - Oct	6
Bryte Road	E	0.9	Sac. River, Tail, GW	Apr - Oct	6
Bryte Road North	E	0.2	Sac. River, Tail	Apr - Oct	6
Central Main	E	5.7	Sac. River, Tail	Apr - Oct	6
Chappell	E	1.2	Sac. River, Tail	Apr - Oct	6
Chappell East	E	1.3	Sac. River, Tail	Apr - Oct	6
Chappell South	E	0.7	Sac. River, Tail	Apr - Oct	6
Delta Road	E	0.4	Sac. River, Tail	Apr - Oct	6
E Drain	E	2.5	Sac. River, Tail	Apr - Oct	6
East Drain	E	12.0	Sac. River, Tail	Apr - Oct	6
Elkhorn East	EP	0.6	Sac. River, Tail	Apr - Oct	6
Elkhorn West	E	0.4	Sac. River, Tail	Apr - Oct	6
Elverta	E	0.7	Sac. River, Tail	Apr - Oct	6
Ernst	E	1.6	Sac. River, Tail	Apr - Oct	6
Flume	E	1.6	Sac. River, Tail	Apr - Oct	6
Frazer	E	0.3	Sac. River, Tail	Apr - Oct	6
Garden Highway North	EC	4.0	Sac. River, Tail	Apr - Oct	6
Garden Highway South	EC	4.8	Sac. River, Tail, GW	Apr - Oct	6
GB	E	2.1	Sac. River, Tail	Apr - Oct	6
GBA	E	0.5	Sac. River, Tail	Apr - Oct	6
GBB	E	0.9	Sac. River, Tail	Apr - Oct	6
H RD	E	1.7	Sac. River, Tail	Apr - Oct	6
H1	E	0.8	Sac. River, Tail	Apr - Oct	6

Table 19-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
J Ditch	EP	0.5	Sac. River, Tail	Apr - Oct	6
Kamura Ditch	E	0.5	Sac. River, Tail	Apr - Oct	6
Lambert	E	1.4	Sac. River, Tail	Apr - Oct	6
NCMWC Lateral 1	E	0.5	Sac. River, Tail	Apr - Oct	6
NCMWC Lateral 2	E	0.5	Sac. River, Tail	Apr - Oct	6
NCMWC Lateral 3	E	0.4	Sac. River, Tail	Apr - Oct	6
NCMWC Lateral 13	E	1.6	Sac. River, Tail	Apr - Oct	6
Machado	E	0.2	Sac. River, Tail	Apr - Oct	6
NCMWC Main Drain	E	1.2	Sac. River, Tail	Apr - Oct	6
Meister	E	1.0	Sac. River, Tail	Apr - Oct	6
Moody	E	0.3	Sac. River, Tail	Apr - Oct	6
Motna	E	1.8	Sac. River, Tail	Apr - Oct	6
Motna East	E	0.8	Sac. River, Tail	Apr - Oct	6
Motna North	E	0.4	Sac. River, Tail	Apr - Oct	6
North Drain	E	7.6	Sac. River, Tail	Apr - Oct	6
Northern Main	E	9.8	Sac. River, Tail	Apr - Oct	6
Parker Road	E	0.5	Sac. River, Tail	Apr - Oct	6
Powerline	E	0.9	Sac. River, Tail	Apr - Oct	6
Pullman	E	1.4	Sac. River, Tail	Apr - Oct	6
R Drain	E	3.0	Sac. River, Tail	Apr - Oct	6
Radio Road	E	1.4	Sac. River, Tail	Apr - Oct	6
Reservoir Road	E	1.1	Sac. River, Tail	Apr - Oct	6
Rice Road Ditch	E	0.4	Sac. River, Tail	Apr - Oct	6
Riego 1	E	0.5	Sac. River, Tail	Apr - Oct	6
Riego 2	E	1.4	Sac. River, Tail	Apr - Oct	6
S Drain	E	2.5	Sac. River, Tail	Apr - Oct	6
San Juan	E	0.4	Sac. River, Tail	Apr - Oct	6
San Juan 30 Horse	E	1.2	Sac. River, Tail	Apr - Oct	6
Sankey Road Ditch	E	1.0	Sac. River, Tail	Apr - Oct	6
Sawtell	E	0.6	Sac. River, Tail	Apr - Oct	6
Schoolhouse Road	E	0.6	Sac. River, Tail	Apr - Oct	6
Section 3	E	1.0	Sac. River, Tail	Apr - Oct	6
Section 10	E	1.1	Sac. River, Tail	Apr - Oct	6
Shop Ditch	E	0.5	Sac. River, Tail	Apr - Oct	6
Sills	E	0.6	Sac. River, Tail	Apr - Oct	6
Silva	E	0.2	Sac. River, Tail	Apr - Oct	6
Simpson Holems	E	0.5	Sac. River, Tail	Apr - Oct	6
Snake Ditch	E	0.2	Sac. River, Tail	Apr - Oct	6
Spangler North	E	0.6	Sac. River, Tail	Apr - Oct	6
Spangler South	E	1.2	Sac. River, Tail	Apr - Oct	6
State Check Ditch	EP	2.5	Sac. River, Tail	Apr - Oct	6
Swallows Nest	EP	0.4	Sac. River, Tail, GW	Apr - Oct	6
T Drain	E	1.4	Sac. River, Tail	Apr - Oct	6
Tree Road	E	1.0	Sac. River, Tail, GW	Apr - Oct	6
V Drain	E	0.8	Sac. River, Tail	Apr - Oct	6
Walnut North	E	0.7	Sac. River, Tail	Apr - Oct	6
Walnut South	E	1.2	Sac. River, Tail	Apr - Oct	6
Walnut West	E	0.2	Sac. River, Tail	Apr - Oct	6
West Drain	E	8.7	Sac. River, Tail	Apr - Oct	6
Willey	E	0.5	Sac. River, Tail	Apr - Oct	6
RD 1001 Main Canal	E	16.0	NF, Tail	Jan - Dec	
Rd 1001 Lateral 3	E	7.0	NF, Tail	Jan - Dec	
Rd 1001 Lateral 3A-1	E	1.5	NF, Tail	Jan - Dec	
Rd 1001 Lateral 3C	E	0.5	NF, Tail	Jan - Dec	
Rd 1001 Lateral 3E	E	0.8	NF, Tail	Jan - Dec	
Rd 1001 Lateral 4	E	4.8	NF, Tail	Jan - Dec	
Rd 1001 Lateral 5	E	4.3	NF, Tail	Jan - Dec	
Rd 1001 Lateral 5A	E	2.3	NF, Tail	Jan - Dec	
Rd 1001 Lateral 5C	E	0.8	NF, Tail	Jan - Dec	
Rd 1001 Lateral 5D	E	1.3	NF, Tail	Jan - Dec	
Rd 1001 Lateral 6	E	2.0	NF, Tail	Jan - Dec	
Rd 1001 Lateral 6A	E	1.0	NF, Tail	Jan - Dec	
Rd 1001 Lateral 7	E	3.5	NF, Tail	Jan - Dec	
Rd 1001 Lateral 8	E	2.8	NF, Tail	Jan - Dec	
Rd 1001 Lateral 9	E	3.8	NF, Tail	Jan - Dec	
Rd 1001 Lateral 10	E	0.9	NF, Tail	Jan - Dec	
Rd 1001 Lateral 10A	E	0.9	NF, Tail	Jan - Dec	
Rd 1001 Lateral 11	E	1.3	NF, Tail	Jan - Dec	
Rd 1001 Lateral 12	E	2.9	NF, Tail	Jan - Dec	
Rd 1001 Lateral 12A	E	0.6	NF, Tail	Jan - Dec	
Rd 1001 Lateral 13	E	1.7	NF, Tail	Jan - Dec	

DRAINAGE BASIN 20A

Drainage Basin 20A is the valley floor portion of the Sacramento River Basin that is west of the Sacramento River, south of Stoney Creek and north of Cache Creek. This basin discharges back to the Sacramento River in several places; however, the majority of the drainage enters the river at two points at or near Knights Landing. Information about local water bodies was received from the following 18 water, reclamation and drainage agencies whose boundaries cover approximately 800,000 acres.

Colusa Basin Drainage District
Glenn-Colusa Irrigation District
Orland-Artois Water District
Provident Irrigation District
Princeton-Cordova-Glenn Irrigation District
Glide Water District
Kanawha Water District
Holthouse Water District
Westside Water District
Maxwell Irrigation District
Cortina Water District
Colusa County Water District
Dunnigan Water District
Knights Landing Ridge Drainage District
Reclamation District 2047
Reclamation District 479
Reclamation District 108
Reclamation District 787

These agencies have authority over water supply and/or drainage within their boundaries.

This entire basin historically received flood flows from the Sacramento River and periodic flows from ephemeral streams that drain the westside foothills. Due to flood control and levee work, the area has not received extensive annual flood flows for over 75 years. The streams entering the valley floor from the westside foothills are ephemeral and only reach the valley floor during or shortly after intensive periods of rainfall. Many of these ephemeral streams flowed only in defined channels for the first few miles into the valley floor followed by wide flood washes in its lower reaches. Most of these lower reaches have been regraded for agricultural development with the flood flows channelized into constructed agricultural drains.

Most of the natural creeks and sloughs with defined channels in the valley floor have been highly modified to act as supply channels and agricultural drains. In addition, the majority of flow in these channels today is the result of irrigation supply and drainage. Within the valley floor portion of this basin, there are 69.3 miles of natural creek channels that are dominated by agricultural return flows or drainage. A majority of this water is picked up later for irrigation by downslope water users. These reaches that are dominated by agricultural drainage are normally upslope in the individual creek's watershed and are ephemeral stream courses. Most of these creeks have been extensively reconstructed and realigned in their lower reaches and they now act as seasonal

drains for the irrigated area. Channels that have been reconstructed within the basin cover over 208 miles. During the irrigation season, roughly April through October, these channels would remain dry in the absence of the irrigation return flows.

Based on the information received from the responding agencies, the following 30 natural water bodies have been identified as being agriculturally dominated:

Glenn Valley-Manor Slough	Unnamed "A"
East Branch of Walker Creek	Lateral "A"
South Fork Willows Creek	Unnamed "B"
Sheep Corral/White Cabin Creek	Logan Creek
Hayes Hollow Creek	Wilson Creek
North Fork Logan Creek	Willow Creek
Stone Corral Creek	Walker Creek
Sycamore Slough	Bounde Creek
Shepard Slough	Funks Creek
Lurline Creek	Cortina Creek
Freshwater Creek	Spring Creek
Salt Creek (north)	Wilkins Slough
Hunters Creek	French Creek
Buckeye Creek	Hopkins Slough
Unnamed Tributaries of Walker Creek	

The agriculturally dominated reaches of these channels are listed in Tables 20A-B1 and 20A-C3 and described in more detail below. In addition, constructed agricultural drains and agricultural supply canals have been listed in Tables 20A-C1 and 20A-C2, respectively.

CATEGORY B1 WATER BODIES

UNNAMED TRIBUTARIES TO WALKER CREEK: Two Unnamed Tributaries to Walker Creek begin within the boundaries of the Orland-Artois Water District. Because of their very small drainage areas, they are normally dry washes that carry stormwater runoff. Although one tributary has had some realignment, they do follow approximately the same course as the natural channels. Both are subject to tailwater flows entering during the irrigation season. These tailwater flows may not be continuous; therefore, drainage flows in the channel are highly variable but when present, do dominate flow and quality of the stream.

WALKER CREEK: Walker Creek is a main drainage course for the area from Orland to Willows, west of Interstate Highway 5. The Creek is ephemeral with little or no flow occurring for over 6 months each year. Tailwater flows do enter the creek, although flows may not be continuous; therefore, flows in the channel are highly variable. Walker Creek discharges into Willow Creek northeast of the town of Willows.

DRAINAGE BASIN 20A

SHEEP CORRAL/WHITE CABIN CREEK (Upstream of Road D, Glenn County): Sheep Corral Creek is a small ephemeral stream that joins together with White Cabin Creek in the Orland-Artois Water District. Both creeks have no natural flows for at least 10 months each year. The creek receives periodic discharges of agricultural tailwater and drainage flows. These flows may not be continuous but do dominate flow and quality.

WILSON CREEK (Upstream of Road 35, Glenn County): Wilson Creek is an ephemeral creek originating in the coastal foothills. The creek has no natural flow for about 8-10 months each year with natural flows occurring only in the winter periods. During the irrigation season, the creek receives tailwater flow and agricultural drainage. The discharges are not continuous; therefore, flows in the creek are highly variable.

FRESHWATER CREEK: Freshwater Creek is a small ephemeral stream that only has a 45 square mile watershed and only carries natural flow during or immediately after heavy rainfall. This flood channel in the reach downstream of the Tehema-Colusa Canal and upstream of the Glenn-Colusa Canal receives intermittent surface irrigation return flows. Because of the creek's normally dry condition during this period, these flows represent the only water in this reach of the stream, but flows may not occur on a continuous basis.

SALT CREEK (North): Salt Creek is a very small ephemeral stream that only has a 35 square mile watershed and only flows in its valley floor portion during storm or rainfall runoff events. A two-mile reach of the stream downstream of the Tehema-Colusa Canal receives intermittent tailwater flows which dominate this normally dry streambed. Downstream of this point, the streambed has been reconstructed and realigned to serve as an agricultural drain.

CORTINA CREEK: Cortina Creek is a very small ephemeral stream that only has a 25 square mile watershed and only flows in the valley floor during storm or rainfall runoff events. A four-mile reach of this stream downstream of the Tehema-Colusa Canal receives intermittent tailwater flows which dominate this dry wash. Downstream of this point, the channel has been reconstructed and realigned to serve as a joint agricultural and stormwater drain.

HOPKINS SLOUGH (Within the Boundaries of the Colusa National Wildlife Refuge): A one and one-half mile section of Hopkins Slough flows through the Colusa National Wildlife Refuge. This reach of the Slough remains in its natural channel. Historically, this Slough would have very low flow or be dry in the summer months. Currently, the slough receives all of its flows during the summer from agricultural surface return flows.

DRAINAGE BASIN 20A

HUNTERS CREEK (Within the Boundaries of the Sacramento National Wildlife Refuge): Hunters Creek is heavily reconstructed and realigned to serve as an agricultural drain. The exception being the short reach (1.7 miles) within the Sacramento National Wildlife Refuge which remains in its natural channel although the channel is cleaned periodically. Flow in the channel outside of storm events is entirely agricultural drainage water from local irrigated fields.

NORTH FORK OF LOGAN CREEK (Within the Boundaries of the Sacramento National Wildlife Refuge): The North Fork of Logan Creek within the boundaries of the Sacramento Wildlife Refuge is managed as a natural stream rather than as an agricultural drain. The creek, however, is strongly affected by upstream agricultural practices; therefore, this reach is dominated by agricultural drainage flows. During the irrigation season, the only flow in the creek originates from agricultural operations.

LOGAN CREEK (Within the Boundaries of the Sacramento National Wildlife Refuge): Logan Creek downstream of Interstate Highway 5 until its confluence with Hunters Creek is a natural stream course rather than an agricultural drain. This reach of the creek, however, is dominated by agricultural drainage flows during the irrigation season.

FUNKS CREEK: Funks Creek from one mile upstream of the Tehema-Colusa Canal to one mile downstream of the Glenn-Colusa Canal is dominated by agricultural return flows and agricultural supply flows. These flows, however, may not be uniform, and there may be periods of dryness especially after the irrigation supply delivery season. This creek is a very small ephemeral stream that only has 40 square miles of watershed and carries natural flow only during rainfall periods. A regulating reservoir for the Tehema-Colusa Canal has been built in a portion of the channel.

BUCKEYE CREEK: Buckeye Creek is a very small ephemeral stream that flows only during extensive wet periods. It is naturally dry in its valley floor portion. The channel has been cleaned, and east of Interstate 5, it has been extensively realigned and channelized. The creek only has flow in it as a result of operational spills from the Tehema-Colusa Canal. These spills are not constant and do not result in a continuous flow.

LURLINE CREEK (Tehema-Colusa Canal to Glenn Colusa Canal): Lurline Creek downstream of the Tehema-Colusa Canal flows in its natural channel although reconstruction on the channel has occurred. This reach of the stream, until it underflows the Glenn-Colusa Canal, is normally dry but receives both agricultural return flows and supply water. During the irrigation season, these flows dominate the creek.

DRAINAGE BASIN 20A

CATEGORY C3

ORLAND-ARTOIS UNNAMED "A": Unnamed "A" is a small dry flood wash that has been reconstructed and realigned to act as an agricultural drain. The watershed for this drain is small and only carries water from lands downstream of Interstate Highway 5. The original dry wash had no natural flow outside of storm runoff.

ORLAND-ARTOIS UNNAMED "B": Unnamed "B" is a small dry wash that has no natural flow outside of storm runoff. The channel has been realigned and reconstructed to act as an agricultural drain. The watershed for this drain is small and only carries water from lands downstream of Interstate Highway 5.

LATERAL "A": Lateral "A" extends from the confluence of the two Unnamed Tributaries to the confluence of Lateral "A" with the Colusa Basin Drain. This reach was a former dry wash that had no natural flow outside of the storm runoff period. The original channel has been extensively realigned and reconstructed to act as an agricultural drain.

EAST BRANCH OF WALKER CREEK: The East Branch of Walker Creek is a small dry wash that has no natural flow outside of the storm runoff period. The watershed for this dry wash is very small and only carries water from lands downstream of Interstate Highway 5. This channel has been extensively realigned and reconstructed to act as an agricultural drain.

SHEPHERD SLOUGH: Shepherd Slough is an old flood channel of the Sacramento River that has been cut off from the river by levee construction. During agricultural development of the area, the dry wash that remained of the Slough was reconstructed and realigned to serve as an agricultural drain for the area. The Slough has no natural flow, and all water in the Slough is from agricultural return flows.

BOUNDE CREEK: Bounde Creek is a former overflow channel of the Sacramento River. The channel now has no natural flow and has been totally reconstructed and realigned to serve as an agricultural drain.

HOPKINS SLOUGH: Hopkins Slough is a former flood channel that has no natural flow. The channel has been totally reconstructed and realigned (except the portion in the Colusa National Wildlife Refuge) to serve as an agricultural drain and supply channel. Two small portions of the channel have been dredged and straightened to create small storage reservoirs in the channel behind small dams.

DRAINAGE BASIN 20A

WILLOW CREEK: Willow Creek downstream of its confluence with Wilson Creek is an ephemeral stream channel that has little or no natural flow beyond the 3-4 month winter season. The channel has been reconstructed and in some cases realigned to serve as a main drain and main water supply channel for the area. This channel flows into a constructed drain which eventually feeds into the Colusa Basin Drain.

NORTH FORK LOGAN CREEK: The North Fork Logan Creek upstream of the Glenn-Colusa Canal is a natural ephemeral stream that is dry 6-10 months each year. Winter flows are basically storm event runoff flows. Downstream of the Glenn-Colusa Canal, prior to entering the Sacramento National Wildlife Refuge, a 2.5-mile reach has been extensively reconstructed to enable the channel to act as an agricultural drain.

LOGAN CREEK: Logan Creek in the reach downstream of the Glenn-Colusa Canal and upstream of Interstate Highway 5 has been extensively reconstructed to enable the channel to act as an agricultural drain.

HUNTERS CREEK: Hunters Creek in the reach downstream of the Glenn-Colusa Canal to a point 3 miles east of Interstate 5 has been extensively reconstructed to enable the channel to act as an agricultural drain and supply channel. Downstream of the easternmost point of this reach, the channel flows into a constructed agricultural drain.

FUNKS CREEK: Funks Creek in the reach from near the Glenn-Colusa Canal to its confluence with Stone Corral Creek has been extensively reconstructed, and in some places, realigned to enable the channel to act as an agricultural drain and supply water channel.

STONE CORRAL CREEK: Stone Corral Creek, from the Tehema-Colusa Canal to its confluence with the Colusa Basin Drain, has been reconstructed and in short reaches, realigned. This reworking of the channel was to allow the creek to be used as an agricultural drain and supply water channel during the irrigation season. This reconstruction includes the reach within the Delevan National Wildlife Refuge. Flow in this creek, as well as other water bodies used as agricultural drains, is influenced by its position in the watershed. Drainage flows increase as you move downstream.

LURLINE CREEK: Lurline Creek downstream of the Glenn-Colusa Canal has been extensively realigned and reconstructed to enable the creek to be used as an agricultural drain and supply water channel during the irrigation season. The regions of greatest reconstruction and realignment occur in the reaches upstream (west) of Interstate Highway 5 and in the last 2.5 miles of the creek prior to its confluence with the Colusa Basin Drain.

DRAINAGE BASIN 20A

FRESHWATER CREEK: The six-mile reach of Freshwater Creek between the Glenn-Colusa Canal and Salt Creek (north) has been extensively reconstructed to enhance its use as an agricultural drain and irrigation supply channel. This portion of the creek is dominated by agricultural return flows during the irrigation season (April through September).

SALT CREEK (North): An ephemeral stream originating in the Coast Range, the valley floor portion of Salt Creek is dominated by agricultural activities during the irrigation season. The 7.5 mile downstream reach of the creek, from one mile west of the Glenn-Colusa Canal to the Colusa Trough, has been extensively reconstructed to serve as an agricultural drain and irrigation supply canal.

SPRING CREEK: A small ephemeral stream, Spring Creek primarily contains natural flows only during storm events but otherwise is dry. The lower three-mile reach of the creek from two miles west of the Glenn-Colusa Canal to Salt Creek has been reconstructed to serve as an agricultural drain during the irrigation season and an operational spill for the Tehema-Colusa Canal.

CORTINA CREEK: The final 5.5-mile reach of Cortina Creek has been reconstructed and realigned to facilitate agricultural activities. An ephemeral channel, the creek now discharges into constructed agricultural facilities.

WILKINS SLOUGH: Wilkins Slough no longer exists as a natural channel. It has been reconstructed and realigned to serve as the Wilkins Slough Main Irrigation Canal.

SYCAMORE SLOUGH: Sycamore Slough from the Yolo-Colusa County line to approximately Knights Landing has no natural flow and has been reconstructed and realigned to act as an agricultural drain.

HAYES HOLLOW CREEK: Hayes Hollow Creek is one of two very small ephemeral streams that join the South Fork of Willow Creek. The creek is normally dry except during rainfall periods each year. During the irrigation season, tailwater flows do enter the creek but not on a continuous basis. The three-mile reach within the Glide Water District is affected by the fluctuating flows.

FRENCH CREEK: French Creek is the second very small ephemeral stream that joins the South Fork of Willow Creek. This normally dry stream receives tailwater in the 4.8-mile reach within the Glide Water District, although the flows are not on a continuous basis. This dry wash has been extensively reconstructed and realigned.

DRAINAGE BASIN 20A

SOUTH FORK WILLOW CREEK (Downstream of Tehama-Colusa Canal): The South Fork Willow Creek is an ephemeral stream that is normally dry in its valley floor portion. Downstream of Tehema-Colusa Canal, the creek receives tailwater and other agricultural discharges although not on a continuous basis. Flows in the creek resulting from these discharges are variable upstream of its confluence with Wilson Creek. Downstream of this point, flows are more continuous. In both reaches, these flows dominate the stream because of its normal dry condition. The channel downstream of the Tehama-Colusa Canal has been extensively reconstructed and realigned.

GLENN VALLEY-MANOR SLOUGH: These two sloughs comprise a very small ephemeral stream that only has 25 square miles watershed and only carries natural flow during or immediately after heavy rainfall. The stream is basically a flood channel that receives intermittent flows of tailwater during the irrigation season. Below the Glenn-Colusa Canal, the channel picks up additional agricultural return flows. Because they serve as principal flood channels, the channels have been extensively reconstructed and realigned to now act as agricultural drains for their entire lengths until flowing into Lurline Creek.

WILSON CREEK (Road 35 to Willow Creek Confluence): Wilson Creek is an ephemeral creek originating in the coastal foothills. In its lower reaches (Downstream of Road 35), the creek has no natural flow beyond flood events. This lower reach of the creek is a dry wash which has been modified, reconstructed and realigned to act as an agricultural drain. During the irrigation season, the creek receives tailwater flows to the extent that it produces periods of consistent flow although this flow may not be continuous throughout the irrigation season.

TABLE 20A - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 20A DOMINATED BY AGRICULTURAL DRAINAGE FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Unnamed Tributary of Walker Creek	7.0		SW, Tail	Apr - Sep	
Walker Creek	15.0		SW, Tail	Apr - Sep	
Sheep Corral Creek	2.5		SW, Tail	Apr - Sep	
White Cabin Creek	3.0		SW, Tail	Apr - Sep	
Wilson Creek	4.0		SW, Tail	Apr - Sep	
North Fork Logan Creek (Sac. Natl. Wildlife Refuge)	6.0	2880	SW, Tail	Apr - Sep	
Logan Creek (Sac. Natl. Wildlife Refuge)	9.0		SW, Tail	Apr - Sep	
Funks Creek	6.0		SW, Tail	Mar - Sep	
Freshwater Creek	4.0		SW, Tail	Mar - Sep	
Salt Creek (North)	2.5		SW, Tail	Mar - Sep	
Cortina Creek	4.0		SW, Tail	Mar - Sep	
Backwater Area, Hopkins Slough in Colusa National Wildlife Refuge	1.5		SW, Tail	Mar - Sep	
Hunters Creek (Sac. Natl. Wildlife Refuge)	1.7	11522	SW, Tail	Mar-Sep	
Lurline Creek	3.0		SW, Tail	Mar-Sep	
Buckeye Creek	6.0		SW, Tail	Mar-Sep	

All of these water bodies carry both agricultural drainage flows and agricultural supply flows at different times or as a mixture.

TABLE 20A - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 20A

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST. 108						
WILKINS SLOUGH:						
7	E	3.0		Sac River & Tail	Feb - Oct	
7-A	E	[1.0]		Sac River & Tail	Feb - Oct	
7-A Extension	E	4.0		Sac River & Tail	Feb - Oct	
7-A-1	E	0.5		Sac River & Tail	Feb - Oct	
7-B	E	2.4		Sac River & Tail	Feb - Oct	
7-B-1	E	2.4		Sac River & Tail	Feb - Oct	
7-B-2	E	0.4		Sac River & Tail	Feb - Oct	
7-B-3	E	[0.3]		Sac River & Tail	Feb - Oct	
7-B-4	E	0.4		Sac River & Tail	Feb - Oct	
7-D-3	E	1.0		Sac River & Tail	Feb - Oct	
7-D-4	E	0.5		Sac River & Tail	Feb - Oct	
7-D-4A	E	0.5		Sac River & Tail	Feb - Oct	
7-D-5	E	0.3		Sac River & Tail	Feb - Oct	
7-D-7	E	1.0		Sac River & Tail	Feb - Oct	
7-D-8	E	0.7		Sac River & Tail	Feb - Oct	
7-D-9	E	0.5		Sac River & Tail	Feb - Oct	
7-F	E	0.4		Sac River & Tail	Feb - Oct	
7-G	E	0.9		Sac River & Tail	Feb - Oct	
7-H	E	0.9		Sac River & Tail	Feb - Oct	
7-H-4	E	0.7		Sac River & Tail	Feb - Oct	
7-H-5	E	0.7		Sac River & Tail	Feb - Oct	
7-H-6	E	0.9		Sac River & Tail	Feb - Oct	
7-H-7	E	0.7		Sac River & Tail	Feb - Oct	
7-J	E	[1.3]		Sac River & Tail	Feb - Oct	
7-J-6	E	0.8		Sac River & Tail	Feb - Oct	
7-J-7	E	0.9		Sac River & Tail	Feb - Oct	
7-J-8	E	0.6		Sac River & Tail	Feb - Oct	
7-J-8N	E	**		Sac River & Tail	Feb - Oct	
WILKINS SLOUGH:						
7-J-8S	E	0.5		Sac River & Tail	Feb - Oct	
7-J-N	E	1.1		Sac River & Tail	Feb - Oct	
7-J-N1	E	0.5		Sac River & Tail	Feb - Oct	
7-J-N2	E	0.5		Sac River & Tail	Feb - Oct	
7-J-S	E	0.7		Sac River & Tail	Feb - Oct	
7-L	E	0.7		Sac River & Tail	Feb - Oct	
7-L-1	E	0.5		Sac River & Tail	Feb - Oct	
8	E	4.7		Sac River & Tail	Feb - Oct	
8-A	E	0.5		Sac River & Tail	Feb - Oct	
8-A Extension	E	0.5		Sac River & Tail	Feb - Oct	
8-A-1	E	1.0		Sac River & Tail	Feb - Oct	
8-A-2	E	1.0		Sac River & Tail	Feb - Oct	
8-A-3	E	1.0		Sac River & Tail	Feb - Oct	
8-A-4	E	1.0		Sac River & Tail	Feb - Oct	
8-A-5	E	0.5		Sac River & Tail	Feb - Oct	
8-B	E	0.5		Sac River & Tail	Feb - Oct	
8-B Extension	E	0.5		Sac River & Tail	Feb - Oct	
8-B-1	E	0.5		Sac River & Tail	Feb - Oct	
8-C	E	2.7		Sac River & Tail	Feb - Oct	
8-C-1	E	0.9		Sac River & Tail	Feb - Oct	
8-E	E	1.5		Sac River & Tail	Feb - Oct	
8-E-1	E	0.9		Sac River & Tail	Feb - Oct	
8-E-2	E	0.9		Sac River & Tail	Feb - Oct	
8-E-3	E	0.9		Sac River & Tail	Feb - Oct	
8-F	E	1.6		Sac River & Tail	Feb - Oct	
8-F-1	E	0.7		Sac River & Tail	Feb - Oct	
8-F-2	E	0.7		Sac River & Tail	Feb - Oct	
8-F-3	E	0.5		Sac River & Tail	Feb - Oct	

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
8-G	E	1.4		Sac River & Tail	Feb - Oct	
8-G-1	E	0.5		Sac River & Tail	Feb - Oct	
8-G-2	E	0.9		Sac River & Tail	Feb - Oct	
8-G-3	E	0.5		Sac River & Tail	Feb - Oct	
8-H	E	0.5		Sac River & Tail	Feb - Oct	
8-J	E	0.5		Sac River & Tail	Feb - Oct	
8-K	E	0.8		Sac River & Tail	Feb - Oct	
8-L	E	1.0		Sac River & Tail	Feb - Oct	
8-M	E	0.9		Sac River & Tail	Feb - Oct	
8-N	E	0.4		Sac River & Tail	Feb - Oct	
9	E	1.6		Sac River & Tail	Feb - Oct	
9-A	E	1.9		Sac River & Tail	Feb - Oct	
9-A-1	E	0.5		Sac River & Tail	Feb - Oct	
9-B	E	1.9		Sac River & Tail	Feb - Oct	
9-B-1	E	0.5		Sac River & Tail	Feb - Oct	
9-C	E	[0.8]		Sac River & Tail	Feb - Oct	
9-D	E	1.4		Sac River & Tail	Feb - Oct	
9-D-1	E	0.5		Sac River & Tail	Feb - Oct	
9-F	E	0.9		Sac River & Tail	Feb - Oct	
9-G	E	0.5		Sac River & Tail	Feb - Oct	
9-G-1	E	1.4		Sac River & Tail	Feb - Oct	
9-H	E	1.8		Sac River & Tail	Feb - Oct	
9-H-1	E	1.3		Sac River & Tail	Feb - Oct	
9-H-1A	E	0.4		Sac River & Tail	Feb - Oct	
9-H-2	E	0.9		Sac River & Tail	Feb - Oct	
9-H-2A	E	0.9		Sac River & Tail	Feb - Oct	
9-H-2A Extension	E	0.4		Sac River & Tail	Feb - Oct	
9-H-2B	E	0.9		Sac River & Tail	Feb - Oct	
9-H-2B Extension	E	0.5		Sac River & Tail	Feb - Oct	
9-H-2B1	E	0.5		Sac River & Tail	Feb - Oct	
9-H-3	E	1.8		Sac River & Tail	Feb - Oct	
9-H-4	E	1.0		Sac River & Tail	Feb - Oct	
9-H-5	E	1.0		Sac River & Tail	Feb - Oct	
9-K	E	1.4		Sac River & Tail	Feb - Oct	
9-L	E	1.2		Sac River & Tail	Feb - Oct	
9-M	E	0.7		Sac River & Tail	Feb - Oct	
S-9-B	E	1.2		Sac River & Tail	Feb - Oct	
10-A	E	1.2		Sac River & Tail	Feb - Oct	
10-A-1	E	0.8		Sac River & Tail	Feb - Oct	
10-B	E	0.5		Sac River & Tail	Feb - Oct	
10-B-2	E	2.1		Sac River & Tail	Feb - Oct	
10-B-3	E	1.3		Sac River & Tail	Feb - Oct	
10-B-4	E	1.2		Sac River & Tail	Feb - Oct	
10-B-5	E	1.2		Sac River & Tail	Feb - Oct	
10-B-6	E	0.5		Sac River & Tail	Feb - Oct	
10-C	E	1.0		Sac River & Tail	Feb - Oct	
10-C Extension	E	1.6		Sac River & Tail	Feb - Oct	
10-E	E	4.1		Sac River & Tail	Feb - Oct	
10-E Extension	E	1.1		Sac River & Tail	Feb - Oct	
10-E-O	E	1.0		Sac River & Tail	Feb - Oct	
10-E-O1	E	0.9		Sac River & Tail	Feb - Oct	
10-E-O2	E	0.9		Sac River & Tail	Feb - Oct	
10-E-O3	E	0.9		Sac River & Tail	Feb - Oct	
10-E-O4	E	0.9		Sac River & Tail	Feb - Oct	
10-E-1	E	1.0		Sac River & Tail	Feb - Oct	
10-E-1A	E	0.5		Sac River & Tail	Feb - Oct	
10-E-1B	E	0.4		Sac River & Tail	Feb - Oct	
10-E-2	E	0.9		Sac River & Tail	Feb - Oct	
10-E-2A	E	0.9		Sac River & Tail	Feb - Oct	
10-E-2B	E	0.9		Sac River & Tail	Feb - Oct	
10-E-2C	E	0.7		Sac River & Tail	Feb - Oct	

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
10-E-3	E	1.5		Sac River & Tail	Feb - Oct	
10-E-4	E	1.5		Sac River & Tail	Feb - Oct	
10-E-6	E	0.4		Sac River & Tail	Feb - Oct	
10-H	E	2.0		Sac River & Tail	Feb - Oct	
10-H-1	E	1.5		Sac River & Tail	Feb - Oct	
10-H-2	E	0.6		Sac River & Tail	Feb - Oct	
10-H-3	E	0.6		Sac River & Tail	Feb - Oct	
10-J	E	1.0		Sac River & Tail	Feb - Oct	
10-K	E	1.0		Sac River & Tail	Feb - Oct	
10-K-1	E	0.9		Sac River & Tail	Feb - Oct	
10-K-2	E	1.9		Sac River & Tail	Feb - Oct	
10-K-2A	E	1.1		Sac River & Tail	Feb - Oct	
10-K-2A1	E	0.3		Sac River & Tail	Feb - Oct	
10-K-2B	E	0.6		Sac River & Tail	Feb - Oct	
10-K-3	E	0.1		Sac River & Tail	Feb - Oct	
10-L	E	0.6		Sac River & Tail	Feb - Oct	
10-L Extension	E	2.2		Sac River & Tail	Feb - Oct	
Br. 10-L Extension-1	E	0.2		Sac River & Tail	Feb - Oct	
10-L-1	E	0.3		Sac River & Tail	Feb - Oct	
10-L-1A	E	0.3		Sac River & Tail	Feb - Oct	
10-L-2	E	0.5		Sac River & Tail	Feb - Oct	
10-L-2 Extension	E	0.5		Sac River & Tail	Feb - Oct	
10-L-2A	E	0.9		Sac River & Tail	Feb - Oct	
10-L-3	E	1.7		Sac River & Tail	Feb - Oct	
10-L-3 Extension	E	0.6		Sac River & Tail	Feb - Oct	
10-L-4	E	0.9		Sac River & Tail	Feb - Oct	
10-L-5	E	0.6		Sac River & Tail	Feb - Oct	
10-L-6	E	0.6		Sac River & Tail	Feb - Oct	
10-L-7	E	0.1		Sac River & Tail	Feb - Oct	
10-M	E	1.0		Sac River & Tail	Feb - Oct	
10-N	C	[0.5]		Sac River & Tail	Feb - Oct	
10-O	C	[0.7]		Sac River & Tail	Feb - Oct	
10-P	C	[10.4]		Sac River & Tail	Feb - Oct	
10-P-1	E	[1.5]		Sac River & Tail	Feb - Oct	
10-P-1A	E	[0.8]		Sac River & Tail	Feb - Oct	
10-P-1B	E	[0.7]		Sac River & Tail	Feb - Oct	
10-P-2	E	[1.5]		Sac River & Tail	Feb - Oct	
10-P-2 Extension	E	[0.9]		Sac River & Tail	Feb - Oct	
10-P-3	C	[0.5]		Sac River & Tail	Feb - Oct	
10-Q	E	[4.5]		Sac River & Tail	Feb - Oct	
10-Q-1	E	[0.5]		Sac River & Tail	Feb - Oct	
10-Q-1 Extension	E	[0.5]		Sac River & Tail	Feb - Oct	
10-Q-2	E	[0.5]		Sac River & Tail	Feb - Oct	
10-Q-2 Extension	E	[0.3]		Sac River & Tail	Feb - Oct	
10-Q-3	E	[0.8]		Sac River & Tail	Feb - Oct	
10-Q-4	C	[0.5]		Sac River & Tail	Feb - Oct	
10-R	C	[1.5]		Sac River & Tail	Feb - Oct	
10-S	E	[1.7]		Sac River & Tail	Feb - Oct	
10-S Extension	E	[1.6]		Sac River & Tail	Feb - Oct	
10-S Extension-A	C	[0.5]		Sac River & Tail	Feb - Oct	
10-T	C	[1.0]		Sac River & Tail	Feb - Oct	
S-10-PN	E	1.3		Sac River & Tail	Feb - Oct	
S-10-PS	E	0.7		Sac River & Tail	Feb - Oct	
10-Q-S	E	0.9		Sac River & Tail	Feb - Oct	
M-L	E	1.8		Sac River & Tail	Feb - Oct	
M-L-1	E	0.4		Sac River & Tail	Feb - Oct	
M-L-2	E	0.4		Sac River & Tail	Feb - Oct	
M-L-3	E	0.4		Sac River & Tail	Feb - Oct	
M-M	E	1.4		Sac River & Tail	Feb - Oct	
M-M-1	E	0.9		Sac River & Tail	Feb - Oct	
M-M-2	E	0.9		Sac River & Tail	Feb - Oct	

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
M-N	E	0.8		Sac River & Tail	Feb - Oct	
M-O	E	1.3		Sac River & Tail	Feb - Oct	
M-O-1	E	1.0		Sac River & Tail	Feb - Oct	
M-O-2	E	0.8		Sac River & Tail	Feb - Oct	
M-O-2A	E	1.0		Sac River & Tail	Feb - Oct	
M-O-2B	E	0.8		Sac River & Tail	Feb - Oct	
M-O-2BE	E	0.3		Sac River & Tail	Feb - Oct	
M-P	E	0.5		Sac River & Tail	Feb - Oct	
5	E	2.4		Sac River & Tail	Feb - Oct	
5-A	E	0.5		Sac River & Tail	Feb - Oct	
5-B	E	0.5		Sac River & Tail	Feb - Oct	
5-C	E	0.9		Sac River & Tail	Feb - Oct	
4	E	1.4		Sac River & Tail	Feb - Oct	
4 Extension	E	1.0		Sac River & Tail	Feb - Oct	
4-E	E	2.1		Sac River & Tail	Feb - Oct	
4-E-1	E	1.0		Sac River & Tail	Feb - Oct	
4-E-2	E	1.0		Sac River & Tail	Feb - Oct	
4-E-3	E	0.9		Sac River & Tail	Feb - Oct	
4-E-4	E	0.7		Sac River & Tail	Feb - Oct	
4-E-5	E	0.5		Sac River & Tail	Feb - Oct	
4-E-6	E	0.3		Sac River & Tail	Feb - Oct	
4-F	E	0.8		Sac River & Tail	Feb - Oct	
4-F-1	E	1.0		Sac River & Tail	Feb - Oct	
4-F-2	E	1.0		Sac River & Tail	Feb - Oct	
4-F-3	E	1.0		Sac River & Tail	Feb - Oct	
4-F-3A	E	0.5		Sac River & Tail	Feb - Oct	
4-F-3B	E	0.5		Sac River & Tail	Feb - Oct	
4-G	E	0.8		Sac River & Tail	Feb - Oct	
4-H	E	0.8		Sac River & Tail	Feb - Oct	
4-J	E	0.8		Sac River & Tail	Feb - Oct	
4-J-1	E	1.8		Sac River & Tail	Feb - Oct	
4-K	E	0.8		Sac River & Tail	Feb - Oct	
4-L	E	0.8		Sac River & Tail	Feb - Oct	
4-M	E	0.8		Sac River & Tail	Feb - Oct	
4-N	E	1.0		Sac River & Tail	Feb - Oct	
WS-1	E	[0.9]		Sac River & Tail	Feb - Oct	
WS-2	E	[0.9]		Sac River & Tail	Feb - Oct	
WS-3	C	[1.1]		Sac River & Tail	Feb - Oct	
WS-6	E	[1.9]		Sac River & Tail	Feb - Oct	
WS-7	E	[1.4]		Sac River & Tail	Feb - Oct	
WS-8	C	[0.3]		Sac River & Tail	Feb - Oct	
WS-9	C	[0.8]		Sac River & Tail	Feb - Oct	
WS-10	C	[1.7]		Sac River & Tail	Feb - Oct	
WS-11	C	[0.7]		Sac River & Tail	Feb - Oct	
WS-12	C	[0.5]		Sac River & Tail	Feb - Oct	
Main	E	5.3		Sac River & Tail	Feb - Oct	
STEINER BEND:						
7	E	0.7		Sac River & Tail	Feb - Oct	
7-H	E	1.4		Sac River & Tail	Feb - Oct	
7-H-3	E	1.1		Sac River & Tail	Feb - Oct	
7-J	E	1.2		Sac River & Tail	Feb - Oct	
7-J-2	E	0.4		Sac River & Tail	Feb - Oct	
7-J-3	E	0.2		Sac River & Tail	Feb - Oct	
11-B	C	[1.1]		Sac River & Tail	Feb - Oct	
Main	E	0.2		Sac River & Tail	Feb - Oct	
BOYER'S BEND:						
6	E	0.5		Sac River & Tail	Feb - Oct	
6 Extension	E	0.5		Sac River & Tail	Feb - Oct	
6-A	E	2.0		Sac River & Tail	Feb - Oct	
6-A-6	E	0.3		Sac River & Tail	Feb - Oct	
6-A-9	E	0.3		Sac River & Tail	Feb - Oct	

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
6-A-10	E	0.3		Sac River & Tail	Feb - Oct	
6-A-11	E	0.3		Sac River & Tail	Feb - Oct	
6-A-12	E	0.9		Sac River & Tail	Feb - Oct	
7	E	2.1		Sac River & Tail	Feb - Oct	
7 Extension S	E	0.5		Sac River & Tail	Feb - Oct	
7-C	E	1.2		Sac River & Tail	Feb - Oct	
7-C-1	E	0.7		Sac River & Tail	Feb - Oct	
7-C-2	E	0.4		Sac River & Tail	Feb - Oct	
7-C-3	E	0.3		Sac River & Tail	Feb - Oct	
7-G	E	0.9		Sac River & Tail	Feb - Oct	
7-M	E	1.6		Sac River & Tail	Feb - Oct	
7-M-1	E	0.5		Sac River & Tail	Feb - Oct	
7-N	E	0.6		Sac River & Tail	Feb - Oct	
7-N-1	E	0.4		Sac River & Tail	Feb - Oct	
7-P	E	0.7		Sac River & Tail	Feb - Oct	
7-Q	E	0.8		Sac River & Tail	Feb - Oct	
7-R	E	0.3		Sac River & Tail	Feb - Oct	
12-A	C	[0.6]		Sac River & Tail	Feb - Oct	
12-B	P	[1.1]		Sac River & Tail	Feb - Oct	
12-B-2	C	[0.4]		Sac River & Tail	Feb - Oct	
12-C	C	[3.3]		Sac River & Tail	Feb - Oct	
BOYER'S BEND:						
12-C Extension	C	[0.7]		Sac River & Tail	Feb - Oct	
12-C-1	C	[0.4]		Sac River & Tail	Feb - Oct	
12-C-2	C	[0.4]		Sac River & Tail	Feb - Oct	
12-C-3	C	[0.4]		Sac River & Tail	Feb - Oct	
12-C-4	E	[0.5]		Sac River & Tail	Feb - Oct	
12-D	P/C	[0.5]		Sac River & Tail	Feb - Oct	
12-E	C	[0.6]		Sac River & Tail	Feb - Oct	
12-E Extension	C	[0.7]		Sac River & Tail	Feb - Oct	
Main	E/C	[0.8]		Sac River & Tail	Feb - Oct	
HOWELL'S LANDING:						
6	E	0.6		Sac River & Tail	Feb - Oct	
6-A	E	1.8		Sac River & Tail	Feb - Oct	
6-A-4	E	0.6		Sac River & Tail	Feb - Oct	
6-A-6	E	0.3		Sac River & Tail	Feb - Oct	
6-C	E	0.9		Sac River & Tail	Feb - Oct	
6-D	E	1.2		Sac River & Tail	Feb - Oct	
6-D Extension	E	0.2		Sac River & Tail	Feb - Oct	
6-D-1	E	0.7		Sac River & Tail	Feb - Oct	
6-D-2	E	0.8		Sac River & Tail	Feb - Oct	
6-D-3	E	0.5		Sac River & Tail	Feb - Oct	
6-E	E	1.2		Sac River & Tail	Feb - Oct	
15-A	C	[1.5]		Sac River & Tail	Feb - Oct	
15-A-1	C	[0.5]		Sac River & Tail	Feb - Oct	
15-B	C	[0.6]		Sac River & Tail	Feb - Oct	
15-C	C	[0.8]		Sac River & Tail	Feb - Oct	
15-C Extension	C	[0.2]		Sac River & Tail	Feb - Oct	
15-D	C	[0.6]		Sac River & Tail	Feb - Oct	
Main	E	0.3		Sac River & Tail	Feb - Oct	
TYNDALL MOUND:						
6	E	0.1		Sac River & Tail	Feb - Oct	
6-C	E	0.2		Sac River & Tail	Feb - Oct	
6-C-1	E	0.3		Sac River & Tail	Feb - Oct	
3	E	2.0		Sac River & Tail	Feb - Oct	
3-A	E	0.7		Sac River & Tail	Feb - Oct	
3-A-1	E	0.3		Sac River & Tail	Feb - Oct	
3-A-2	E	0.6		Sac River & Tail	Feb - Oct	
3-A-E	E	0.2		Sac River & Tail	Feb - Oct	
3-A-E1	E	0.3		Sac River & Tail	Feb - Oct	
3-A-E2	E	0.3		Sac River & Tail	Feb - Oct	

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
3-B	E	0.5		Sac River & Tail	Feb - Oct	
3-B-1	E	0.2		Sac River & Tail	Feb - Oct	
3-B-2	E	0.4		Sac River & Tail	Feb - Oct	
3-B-2 Extension	E	0.2		Sac River & Tail	Feb - Oct	
3-C	E	0.8		Sac River & Tail	Feb - Oct	
3-C-1	E	0.6		Sac River & Tail	Feb - Oct	
3-D	E	0.5		Sac River & Tail	Feb - Oct	
3-E	E	0.5		Sac River & Tail	Feb - Oct	
3-G	E	0.4		Sac River & Tail	Feb - Oct	
3-H	E	0.5		Sac River & Tail	Feb - Oct	
3-J	E	0.7		Sac River & Tail	Feb - Oct	
3-L	E	0.4		Sac River & Tail	Feb - Oct	
13-A	C	[0.6]		Sac River & Tail	Feb - Oct	
13-B	C	[4.0]		Sac River & Tail	Feb - Oct	
13-B-3	E	[0.1]		Sac River & Tail	Feb - Oct	
13-B-4	E	[0.1]		Sac River & Tail	Feb - Oct	
13-B-5	E	[0.4]		Sac River & Tail	Feb - Oct	
13-C	C	[3.1]		Sac River & Tail	Feb - Oct	
13-C Extension	E	[0.4]		Sac River & Tail	Feb - Oct	
13-C-1	C	[0.5]		Sac River & Tail	Feb - Oct	
13-C-2	C	[0.4]		Sac River & Tail	Feb - Oct	
M-A	E	0.5		Sac River & Tail	Feb - Oct	
M-B	E	1.9		Sac River & Tail	Feb - Oct	
M-B-1	E	0.5		Sac River & Tail	Feb - Oct	
M-C	E	0.8		Sac River & Tail	Feb - Oct	
M-D	E	0.7		Sac River & Tail	Feb - Oct	
M-E	E	0.7		Sac River & Tail	Feb - Oct	
M-F	E	0.6		Sac River & Tail	Feb - Oct	
M-H	E	2.0		Sac River & Tail	Feb - Oct	
M-H-B	E	0.5		Sac River & Tail	Feb - Oct	
M-J	E	1.3		Sac River & Tail	Feb - Oct	
M-J-1	E	0.8		Sac River & Tail	Feb - Oct	
M-J-2	E	0.6		Sac River & Tail	Feb - Oct	
M-Q	E	0.8		Sac River & Tail	Feb - Oct	
M-R	E	0.6		Sac River & Tail	Feb - Oct	
M-S	E	1.0		Sac River & Tail	Feb - Oct	
M-S-1	E	0.7		Sac River & Tail	Feb - Oct	
M-S-2	E	0.3		Sac River & Tail	Feb - Oct	
Main	E	[0.9]		Sac River & Tail	Feb - Oct	
EL DORADO BEND:						
1	E	1.8		Sac River & Tail	Feb - Oct	
1-A	E	3.7		Sac River & Tail	Feb - Oct	
1-A-1	E	0.5		Sac River & Tail	Feb - Oct	
1-B	E	2.9		Sac River & Tail	Feb - Oct	
1-B-1	E	[0.8]		Sac River & Tail	Feb - Oct	
1-B-2	E	0.8		Sac River & Tail	Feb - Oct	
1-B-A	E	[0.4]		Sac River & Tail	Feb - Oct	
1-B-2B	E	0.5		Sac River & Tail	Feb - Oct	
1-B-2C	E	0.5		Sac River & Tail	Feb - Oct	
1-B-3	E	[0.8]		Sac River & Tail	Feb - Oct	
1-D	E	2.0		Sac River & Tail	Feb - Oct	
1-D-1	E	0.4		Sac River & Tail	Feb - Oct	
2	E	3.3		Sac River & Tail	Feb - Oct	
2-A-1 Extension	E	[1.4]		Sac River & Tail	Feb - Oct	
2-A	E	[1.8]		Sac River & Tail	Feb - Oct	
2-A Extension	E	[0.4]		Sac River & Tail	Feb - Oct	
2-A Extension A	E	[0.7]		Sac River & Tail	Feb - Oct	
2-A-2	E	[0.2]		Sac River & Tail	Feb - Oct	
2-A-A	E	0.8		Sac River & Tail	Feb - Oct	
2-A-B	E	1.6		Sac River & Tail	Feb - Oct	
2-A-C	E	0.8		Sac River & Tail	Feb - Oct	

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
2-B	E	[1.9]		Sac River & Tail	Feb - Oct	
2-B-A	E	0.8		Sac River & Tail	Feb - Oct	
2-B-A Extension	E	0.8		Sac River & Tail	Feb - Oct	
2-B-C	E	1.6		Sac River & Tail	Feb - Oct	
2-C	E	[1.6]		Sac River & Tail	Feb - Oct	
2-C-D	E	1.5		Sac River & Tail	Feb - Oct	
2-D	E	[1.5]		Sac River & Tail	Feb - Oct	
2-D-E	E	1.5		Sac River & Tail	Feb - Oct	
2-E	E	[1.4]		Sac River & Tail	Feb - Oct	
2-E-F	E	[1.4]		Sac River & Tail	Feb - Oct	
2-F	E	[1.4]		Sac River & Tail	Feb - Oct	
2-F-G	E	1.0		Sac River & Tail	Feb - Oct	
4	E	0.9		Sac River & Tail	Feb - Oct	
4-A	E	[1.1]		Sac River & Tail	Feb - Oct	
4-A-B	E	1.2		Sac River & Tail	Feb - Oct	
4-A-MK	E	1.1		Sac River & Tail	Feb - Oct	
4-A-MK1	E	0.8		Sac River & Tail	Feb - Oct	
4-B	E	[1.1]		Sac River & Tail	Feb - Oct	
4-B-C	E	1.2		Sac River & Tail	Feb - Oct	
4-C	E	[1.2]		Sac River & Tail	Feb - Oct	
4-C-D	E	1.2		Sac River & Tail	Feb - Oct	
4-D	E	[1.1]		Sac River & Tail	Feb - Oct	
4-D-E	E	1.2		Sac River & Tail	Feb - Oct	
S-14-B	E	5.6		Sac River & Tail	Feb - Oct	
S-14-B Extension	E	1.9		Sac River & Tail	Feb - Oct	
M-H-A	E	0.8		Sac River & Tail	Feb - Oct	
M-H-A Extension	E	0.7		Sac River & Tail	Feb - Oct	
M-H-A1	E	0.2		Sac River & Tail	Feb - Oct	
M-K	E	[0.9]		Sac River & Tail	Feb - Oct	
M-T	E	0.3		Sac River & Tail	Feb - Oct	
M-U	E	0.4		Sac River & Tail	Feb - Oct	
M-V	E	1.1		Sac River & Tail	Feb - Oct	
Main	E	1.6		Sac River & Tail	Feb - Oct	
Holthouse Water District						
Drain 1.0	E	0.6	95	Tail	Jan - Nov	
Drain 2.0	E	1.0	204	Tail	Jan - Nov	
Drain 2.1	E	0.4	24	Tail	Jan - Nov	
Westside Water District						
Drain D-1	E	4.3	950	Tail	Mar - Sept	
Drain D-1-A	E	1.0	330	Tail	Mar - Sept	
Drain D-1-B	E	0.1	100	Tail	Mar - Sept	
Drain D-2	E	2.4	1670	Tail	Mar - Sept	
Drain D-3	E	0.9	490	Tail	Mar - Sept	
Drain D-4	E	0.7	880	Tail	Mar - Sept	
Drain D-5	E	1.1	550	Tail	Mar - Sept	
Drain D-6	E	1.1	660	Tail	Mar - Sept	
Drain D-7	E	0.5	100	Tail	Mar - Sept	
Drain D-8	E	0.3	160	Tail	Mar - Sept	
Drain D-9	E	0.5	360	Tail	Mar - Sept	
Reclamation Dist. 787						
Main Canal (1)	E	5.2	2668	NF	Nov - Jan	
Main Canal (2)	E	1.5	1830	NF	Nov - Jan	
Main Canal (1)	E	5.2	2668	Colusa Basin Drain, Sac River & Tail	Feb - Oct	
Main Canal (2)	E	1.5	1830	Sac River & Tail	Feb - Oct	
Reclamation Dist. 479						
Main Canal	E	1.6	6050	NF	Nov - Jan	
Main Canal	E	1.6	6050	Colusa Trough, Tail	Feb - Oct	
Lateral A	E	1.8		Colusa Trough, Tail	Feb - Oct	
Lateral B	E	1.1		Colusa Trough, Tail	Feb - Oct	
Lateral C	E	0.5		Colusa Trough, Tail	Feb - Oct	

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Glide Water District						
Hendrick Main Drain	E	2.6		Tail	Apr - Sept	
Road 45 Main Drain	E	1.5		Tail	Apr - Sept	
Kanawha Water District						
Finch-Road 57 Drain	E	4.7		NF	Nov - Apr	
Elmendorf Drain	E	4.5		NF	Nov - Apr	
Road 60 Main Drain	E	4.0		NF	Nov - Apr	
Larrabee Drain	E	5.0		NF	Nov - Apr	
Road D - Main Michael Drain	E	2.0		NF	Nov - Apr	
Michael Main - South Drain	E	0.9		NF	Nov - Apr	
Maxwell Irrigation District						
North Drain		4.5		Tail	Apr - Sep	
South Drain		2.0		Tail	Apr - Sep	
Princeton - Codora - Glenn Irrig Dist. Drainage System						
Unamed	E	2.5	421	Tail, NF	Jan - Dec	1
#11	E	8.3	663	Tail, NF	Jan - Dec	1
#31	E	1.5	254	Tail, NF	Jan - Dec	1
#30	E	2.6	297	Tail, NF	Jan - Dec	1
#10	E	6.4	926	Tail, NF	Jan - Dec	1
#12	E	2.5	104	Tail, NF	Jan - Dec	1
# 3	E	1.3	116	Tail, NF	Jan - Dec	1
#28	E	1.7	292	Tail, NF	Jan - Dec	1
#40	E	0.6	31	Tail, NF	Jan - Dec	1
# 5	E	0.9	63	Tail, NF	Jan - Dec	1
#32	E	1.5	91	Tail, NF	Jan - Dec	1
#41	E	1.8	387	Tail, NF	Jan - Dec	1
Glenn-Colusa ID						
F-3		8.8	8815			
F-3a		5.2	2823			
F-3a-1		3.1	963			
F-3c		5.2	1640			
Unnamed		3.4	667			
B-1		8.0	2809			
B-1c		3.9	2541			
B-1c-2		3.4	1213			
G-6a		0.1	928			
C (N. Fork Logan)						
C-4		7.4	2762			
C-4c		2.4	421			
C-4e		5.6	1335			
C-11		0.4	2632			
C-11b		2.9	903			
C-13		1.3	1979			
C-13a		2.3	1029			
C-15		3.0	1588			
D (Hunters Creek)						
D-6		4.4	1841			
D-8		3.4	4346			
D-8a		2.0	1501			
D-8a-3		1.0	639			
D-8b		3.8	1751			
D-8c		3.6	881			
D-8f		1.5	182			
D-9		2.2	569			
D-11		2.2	942			
C-1		3.7	2255			
ED		3.2	2503			
ED-1		2.5	1033			
E (Stone Corral)						
E-2		5.8	2650			

Table 20A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
E-2a		3.5	1105			
E-3		4.8	3282			
E-3d		0.7	496			
E-3c-1		0.8	466			
E-Flood Channel		0.9	775			
E-10		0.4	958			
E-1		5.8	2363			
F		9.1	10099			
F-4		2.5	1009			
F-10		2.5	1105			
F-11		4.0	1847			
F-11a		1.1	773			
F-12		2.8	822			
F-15		2.6	1332			
F-15b		1.4	417			
F-1		5.7	2678			
G		6.9	11315			
G-2		8.6	7897			
G-2d		0.9	1471			
G-2g		2.5	1255			
G-2e		2.9	1364			
G-2f		2.1	480			
G-2h		3.5	1231			
G-2j		0.4	910			
G-2j-1		1.7	832			
J		6.4	3766			
A		4.0	2721			
A-10		1.6	277			
A-11		0.7	204			
K		4.9	6463			
K-1		2.4	2041			
K-1a		2.9	1350			
K-2		1.5	288			
K-3		2.7	649			
K-5		3.4	1399			
K-5a		1.1	177			
K-6		1.3	570			
L		5.8	770			
B (Willow Creek)						
B-5		4.5	4004			
B-5b		2.4	2425			
B-1a		0.1	959			
A-12		3.3	1224			
A-12c		1.0	208			
A-12e		1.4	452			
A-12e-1		1.1	326			
A-13		2.4	820			
V		0.9	1553			
H		4.5	3633			
J-1		1.5	609			
J-2		2.0	542			
P		4.5	1260			
Q		1.0	334			
U		1.6	381			
U-3		1.2	592			
U-2		1.2	275			
U-2A		0.5	51			
U-1		0.9	132			
T		1.8	307			
T-3		0.4	63			
T-1		0.9	100			

TABLE 20A - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 20A

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Holthouse WD Supply Syst					
Main 1	E	1.1	Sac Riv		
Lateral 1.1	E	0.1	Sac Riv		
Lateral 1.2	E	0.3	Sac Riv		
Main 2	E	0.6	Sac Riv		
Lateral 2.1	E	0.3	Sac Riv		
Lateral 2.2	E	0.3	Sac Riv		
Lateral 2.3	E	0.3	Sac Riv		
Glenn-Colusa Irrig. Dist.					
Lateral 10-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 10-2	E	1.2	Sac Riv	Apr-Oct	
Lateral 10-2a	E	0.5	Sac Riv	Apr-Oct	
Lateral 10-3	E	1.4	Sac Riv	Apr-Oct	
Lateral 10-3a	E	0.4	Sac Riv	Apr-Oct	
Lateral 11-4	E	1.4	Sac Riv	Apr-Oct	
Lateral 11-4a	E	1.0	Sac Riv	Apr-Oct	
Lateral 11-4a-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 11-4c	E	0.4	Sac Riv	Apr-Oct	
Lateral 11-4d	E	0.3	Sac Riv	Apr-Oct	
Lateral 11-5	E	0.5	Sac Riv	Apr-Oct	
Lateral 12-3	E	2.6	Sac Riv	Apr-Oct	
Lateral 12-3a	E	0.6	Sac Riv	Apr-Oct	
Lateral 12-3a-1	E	0.1	Sac Riv	Apr-Oct	
Lateral 12-3a-2	E	0.1	Sac Riv	Apr-Oct	
Lateral 12-3b	E	1.2	Sac Riv	Apr-Oct	
Lateral12-3b-1	E	0.7	Sac Riv	Apr-Oct	
Lateral 12-3c	E	0.7	Sac Riv	Apr-Oct	
Lateral 12-3c-1	E	0.1	Sac Riv	Apr-Oct	
Lateral 12-3d	E	0.7	Sac Riv	Apr-Oct	
Lateral 12-3d-1	E	0.1	Sac Riv	Apr-Oct	
Lateral 13-1	E	0.7	Sac Riv	Apr-Oct	
Lateral 13-1a	E	0.5	Sac Riv	Apr-Oct	
Lateral 13-2	E	2.0	Sac Riv	Apr-Oct	
Lateral 13-2a	E	0.1	Sac Riv	Apr-Oct	
Lateral 13-2b	E	0.2	Sac Riv	Apr-Oct	
Lateral 13-2c	E	0.1	Sac Riv	Apr-Oct	
Lateral 13-3	E	5.7	Sac Riv	Apr-Oct	
Lateral 13-3a	E	0.7	Sac Riv	Apr-Oct	
Lateral 13-3a-1	E	0.2	Sac Riv	Apr-Oct	
Lateral 13-3b	E	0.1	Sac Riv	Apr-Oct	
Lateral 13-3c	E	0.5	Sac Riv	Apr-Oct	
Lateral 13-3d	E	0.4	Sac Riv	Apr-Oct	
Lateral 13-3e	E	1.1	Sac Riv	Apr-Oct	
Lateral 13-3f	E	0.4	Sac Riv	Apr-Oct	
Lateral 13-3g	E	0.2	Sac Riv	Apr-Oct	
Lateral 13-3h	E	0.1	Sac Riv	Apr-Oct	
Lateral 13-3i	E	0.2	Sac Riv	Apr-Oct	
Lateral 13-3j	E	0.7	Sac Riv	Apr-Oct	
Lateral 13-3j-1	E	0.1	Sac Riv	Apr-Oct	
Lateral 13-3j-2	E	0.1	Sac Riv	Apr-Oct	
Lateral 12-4	E	5.6	Sac Riv	Apr-Oct	
Lateral 12-4a	E	0.4	Sac Riv	Apr-Oct	
Lateral 12-4a-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 14-1	E	0.5	Sac Riv	Apr-Oct	
Lateral 15-1	E	3.8	Sac Riv	Apr-Oct	
Lateral 15-1a	E	0.3	Sac Riv	Apr-Oct	
Lateral 15-1b	E	0.2	Sac Riv	Apr-Oct	
Lateral 15-1b-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 15-1c	E	0.1	Sac Riv	Apr-Oct	
Lateral 15-1e	E	0.1	Sac Riv	Apr-Oct	
Lateral 15-1f	E	0.2	Sac Riv	Apr-Oct	
Lateral 15-2	E	0.4	Sac Riv	Apr-Oct	
Lateral 16-1	E	1.5	Sac Riv	Apr-Oct	
Lateral 16-1a	E	0.7	Sac Riv	Apr-Oct	
Lateral 16-1b	E	0.5	Sac Riv	Apr-Oct	

Table C20A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Lateral 16-1c	E	0.1	Sac Riv	Apr-Oct	
Lateral 16-4	E	5.1	Sac Riv	Apr-Oct	
Lateral 16-4a	E	2.0	Sac Riv	Apr-Oct	
Lateral 16-4a-3	E	0.1	Sac Riv	Apr-Oct	
Lateral 16-4b	E	0.9	Sac Riv	Apr-Oct	
Lateral 16-4c	E	2.7	Sac Riv	Apr-Oct	
Lateral 16-4d	E	2.5	Sac Riv	Apr-Oct	
Lateral 16-4d-1	E	0.1	Sac Riv	Apr-Oct	
Lateral 16-4d-2	E	0.1	Sac Riv	Apr-Oct	
Lateral 16-4e	E	0.2	Sac Riv	Apr-Oct	
Lateral 16-4f	E	2.1	Sac Riv	Apr-Oct	
Lateral 16-4f-1	E	0.1	Sac Riv	Apr-Oct	
Lateral 16-4f-2	E	0.2	Sac Riv	Apr-Oct	
Lateral 16-4f-3	E	0.6	Sac Riv	Apr-Oct	
Lateral 16-4h	E	1.5	Sac Riv	Apr-Oct	
Lateral 16-4h-1	E	0.4	Sac Riv	Apr-Oct	
Lateral 16-4l	E	0.4	Sac Riv	Apr-Oct	
Lateral 17-1	E	2.1	Sac Riv	Apr-Oct	
Lateral 17-1a	E	0.2	Sac Riv	Apr-Oct	
Lateral 17-1b	E	0.2	Sac Riv	Apr-Oct	
Lateral 17-1c	E	0.5	Sac Riv	Apr-Oct	
Lateral 17-1d	E	0.6	Sac Riv	Apr-Oct	
Lateral 17-1d-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 17-1d-2	E	0.3	Sac Riv	Apr-Oct	
Lateral 19-1	E	4.3	Sac Riv	Apr-Oct	
Lateral 19-1b	E	1.3	Sac Riv	Apr-Oct	
Lateral 19-1b-1	E	1.7	Sac Riv	Apr-Oct	
Lateral 19-1c	E	1.4	Sac Riv	Apr-Oct	
Lateral 19-1c-1	E	0.2	Sac Riv	Apr-Oct	
Lateral 19-1g	E	1.7	Sac Riv	Apr-Oct	
Lateral 19-1g-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 19-1g-2	E	0.3	Sac Riv	Apr-Oct	
Lateral 19-1i	E	0.6	Sac Riv	Apr-Oct	
Lateral 19-1j	E	0.4	Sac Riv	Apr-Oct	
Lateral 17-2	E	1.1	Sac Riv	Apr-Oct	
Lateral 17-2a	E	0.5	Sac Riv	Apr-Oct	
Lateral 21-1	E	3.7	Sac Riv	Apr-Oct	
Lateral 21-1a	E	2.0	Sac Riv	Apr-Oct	
Lateral 21-1a-3	E	0.3	Sac Riv	Apr-Oct	
Lateral 21-1b	E	2.0	Sac Riv	Apr-Oct	
Lateral 21-1c	E	1.5	Sac Riv	Apr-Oct	
Lateral 21-1f	E	0.6	Sac Riv	Apr-Oct	
Lateral 21-2	E	6.4	Sac Riv	Apr-Oct	
Lateral 21-2b	E	0.5	Sac Riv	Apr-Oct	
Lateral 21-2c	E	2.2	Sac Riv	Apr-Oct	
Lateral 21-2c-1	E	1.0	Sac Riv	Apr-Oct	
Lateral 21-2c-2	E	0.7	Sac Riv	Apr-Oct	
Lateral 21-2f	E	0.3	Sac Riv	Apr-Oct	
Lateral 21-2L	E	0.2	Sac Riv	Apr-Oct	
Lateral 21-2g	E	0.8	Sac Riv	Apr-Oct	
Lateral 21-3	E	0.0	Sac Riv	Apr-Oct	
Lateral 21-4	E	3.2	Sac Riv	Apr-Oct	
Lateral 21-4a	E	0.3	Sac Riv	Apr-Oct	
Lateral 21-4b	E	0.4	Sac Riv	Apr-Oct	
Lateral 21-4c	E	1.1	Sac Riv	Apr-Oct	
Lateral 22-1	E	2.8	Sac Riv	Apr-Oct	
Lateral 22-1a	E	0.5	Sac Riv	Apr-Oct	
Lateral WC-1	E	0.9	Sac Riv	Apr-Oct	
Lateral WC-2	E	1.9	Sac Riv	Apr-Oct	
Lateral WC-2ba	E	0.6	Sac Riv	Apr-Oct	
Lateral WC-2b	E	0.8	Sac Riv	Apr-Oct	

Table C20A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Lateral WC-2c	E	0.7	Sac Riv	Apr-Oct	
Lateral WC-3	E	3.2	Sac Riv	Apr-Oct	
Lateral WC-3a	E	0.9	Sac Riv	Apr-Oct	
Lateral 25-1	E	8.1	Sac Riv	Apr-Oct	
Lateral 25-1a	E	2.7	Sac Riv	Apr-Oct	
Lateral 25-1a-1	E	0.4	Sac Riv	Apr-Oct	
Lateral 25-1a-a	E	1.1	Sac Riv	Apr-Oct	
Lateral 25-1b	E	2.1	Sac Riv	Apr-Oct	
Lateral 25-1c	E	2.4	Sac Riv	Apr-Oct	
Lateral 25-1c-1	E	0.2	Sac Riv	Apr-Oct	
Lateral 26-2	E	4.2	Sac Riv	Apr-Oct	
Lateral 26-2a	E	0.5	Sac Riv	Apr-Oct	
Lateral 26-2b	E	1.6	Sac Riv	Apr-Oct	
Lateral 26-2c	E	1.2	Sac Riv	Apr-Oct	
Lateral 26-2e	E	0.8	Sac Riv	Apr-Oct	
Lateral 28-1	E	0.9	Sac Riv	Apr-Oct	
Lateral 29-2	E	1.0	Sac Riv	Apr-Oct	
Lateral 31-1	E	1.6	Sac Riv	Apr-Oct	
Lateral 31-1a	E	0.5	Sac Riv	Apr-Oct	
Lateral 32-1	E	1.6	Sac Riv	Apr-Oct	
Lateral 32-1a	E	0.6	Sac Riv	Apr-Oct	
Lateral 32-2	E	1.5	Sac Riv	Apr-Oct	
Lateral 32-2a	E	1.3	Sac Riv	Apr-Oct	
Lateral 32-2c	E	1.1	Sac Riv	Apr-Oct	
Lateral 32-2c-1	E	0.6	Sac Riv	Apr-Oct	
Lateral 33-2	E	0.9	Sac Riv	Apr-Oct	
Lateral 34-1a	E	0.8	Sac Riv	Apr-Oct	
Lateral 34-2	E	0.4	Sac Riv	Apr-Oct	
Lateral 35-1	E	5.1	Sac Riv	Apr-Oct	
Lateral 35-1a	E	2.0	Sac Riv	Apr-Oct	
Lateral 35-1b	E	1.9	Sac Riv	Apr-Oct	
Lateral35-1b-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 35-1c	E	0.9	Sac Riv	Apr-Oct	
Lateral 35-1c-1	E	0.5	Sac Riv	Apr-Oct	
Lateral 35-1d	E	0.3	Sac Riv	Apr-Oct	
Lateral 35-2	E	1.2	Sac Riv	Apr-Oct	
Lateral 35-3	E	0.1	Sac Riv	Apr-Oct	
Latreral35-4	E	0.3	Sac Riv	Apr-Oct	
Lateral 36-1	E	0.4	Sac Riv	Apr-Oct	
Lateral 36-2	E	2.0	Sac Riv	Apr-Oct	
Lateral 36-2a	E	0.2	Sac Riv	Apr-Oct	
Lateral 36-3	E	0.9	Sac Riv	Apr-Oct	
Lateral 37-1	E	0.9	Sac Riv	Apr-Oct	
Lateral 37-2	E	0.8	Sac Riv	Apr-Oct	
Lateral 38-1	E	1.9	Sac Riv	Apr-Oct	
Lateral 39-3	E	0.6	Sac Riv	Apr-Oct	
Lateral 40-1	E	1.0	Sac Riv	Apr-Oct	
Lateral 41-1	E	7.4	Sac Riv	Apr-Oct	
Lateral 41-1c	E	2.4	Sac Riv	Apr-Oct	
Lateral 41-1c-1	E	0.7	Sac Riv	Apr-Oct	
Lateral 41-1f	E	0.7	Sac Riv	Apr-Oct	
Lateral 41-1g	E	0.4	Sac Riv	Apr-Oct	
Lateral 41-1k	E	0.3	Sac Riv	Apr-Oct	
Lateral 41-1n	E	2.6	Sac Riv	Apr-Oct	
Lateral 41-1n-1	E	0.2	Sac Riv	Apr-Oct	
Lateral 41-1n-2	E	1.0	Sac Riv	Apr-Oct	
Lateral 41-1o	E	1.8	Sac Riv	Apr-Oct	
Lateral 41-1o-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 41-1p	E	0.5	Sac Riv	Apr-Oct	
Lateral 41-1q	E	0.6	Sac Riv	Apr-Oct	
Lateral 41-1q-1	E	0.5	Sac Riv	Apr-Oct	

Table C20A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Lateral 41-2	E	3.8	Sac Riv	Apr-Oct	
Lateral 41-2b	E	1.1	Sac Riv	Apr-Oct	
Lateral 41-2b-2	E	0.6	Sac Riv	Apr-Oct	
Lateral 42-1	E	2.2	Sac Riv	Apr-Oct	
Lateral 42-1a	E	0.5	Sac Riv	Apr-Oct	
Lateral 42-1b	E	0.5	Sac Riv	Apr-Oct	
Lateral HC-1	E	5.5	Sac Riv	Apr-Oct	
Lateral HC-1a	E	0.2	Sac Riv	Apr-Oct	
Lateral HC-1b	E	0.5	Sac Riv	Apr-Oct	
Lateral HC-2	E	3.7	Sac Riv	Apr-Oct	
Lateral HC-2c	E	1.3	Sac Riv	Apr-Oct	
Lateral HC-2d	E	1.2	Sac Riv	Apr-Oct	
Lateral 43-1	E	6.0	Sac Riv	Apr-Oct	
Lateral 43-1b	E	1.6	Sac Riv	Apr-Oct	
Lateral 43-1c	E	0.9	Sac Riv	Apr-Oct	
Lateral 43-1f	E	1.0	Sac Riv	Apr-Oct	
Lateral 43-1h	E	0.3	Sac Riv	Apr-Oct	
Lateral 43-1i	E	1.7	Sac Riv	Apr-Oct	
Lateral 43-1i-1	E	0.6	Sac Riv	Apr-Oct	
Lateral 43-1j	E	0.5	Sac Riv	Apr-Oct	
Lateral 43-1L	E	0.3	Sac Riv	Apr-Oct	
Lateral 43-1m	E	0.4	Sac Riv	Apr-Oct	
Lateral 45-1	E	5.3	Sac Riv	Apr-Oct	
Lateral 45-1b	E	0.7	Sac Riv	Apr-Oct	
Lateral 45-1b-1	E	1.9	Sac Riv	Apr-Oct	
Lateral 45-1b-1a	E	0.4	Sac Riv	Apr-Oct	
Lateral 45-1b-1b	E	1.1	Sac Riv	Apr-Oct	
Lateral 45-1c	E	0.3	Sac Riv	Apr-Oct	
Lateral 45-1d	E	0.4	Sac Riv	Apr-Oct	
Lateral 45-1d-1	E	0.8	Sac Riv	Apr-Oct	
Lateral 45-1g	E	0.7	Sac Riv	Apr-Oct	
Lateral 45-1h	E	0.3	Sac Riv	Apr-Oct	
Lateral 45-1i	E	0.5	Sac Riv	Apr-Oct	
Lateral 45-2	E	3.2	Sac Riv	Apr-Oct	
Lateral 45-2a	E	0.8	Sac Riv	Apr-Oct	
Lateral 47-1	E	2.9	Sac Riv	Apr-Oct	
Lateral 47-1a	E	0.3	Sac Riv	Apr-Oct	
Lateral 47-1b	E	0.6	Sac Riv	Apr-Oct	
Lateral 47-1d	E	0.7	Sac Riv	Apr-Oct	
Lateral SC-1	E	2.8	Sac Riv	Apr-Oct	
Lateral SC-1a	E	2.1	Sac Riv	Apr-Oct	
Lateral SC-1a-1	E	1.1	Sac Riv	Apr-Oct	
Lateral SC-2	E	0.7	Sac Riv	Apr-Oct	
Lateral 48-1	E	8.7	Sac Riv	Apr-Oct	
Lateral 48-1b	E	1.3	Sac Riv	Apr-Oct	
Lateral 48-1b-1	E	2.6	Sac Riv	Apr-Oct	
Lateral 48-1c	E	2.4	Sac Riv	Apr-Oct	
Lateral 48-1e	E	1.6	Sac Riv	Apr-Oct	
Lateral 48-1f	E	0.5	Sac Riv	Apr-Oct	
Lateral ESC-DC	E	2.9	Sac Riv	Apr-Oct	
Lateral ESC	E	10.5	Sac Riv	Apr-Oct	
Lateral ESC-1	E	0.5	Sac Riv	Apr-Oct	
Lateral ESC-2	E	0.5	Sac Riv	Apr-Oct	
Lateral ESC-3	E	0.9	Sac Riv	Apr-Oct	
Lateral ESC-3a-1	E	0.3	Sac Riv	Apr-Oct	
Lateral ESC-4	E	0.7	Sac Riv	Apr-Oct	
Lateral 49-1	E	0.8	Sac Riv	Apr-Oct	
Lateral 49-1b	E	0.2	Sac Riv	Apr-Oct	
Lateral 49-2	E	2.0	Sac Riv	Apr-Oct	
Lateral 50-1	E	0.9	Sac Riv	Apr-Oct	
Lateral 50-1c	E	0.3	Sac Riv	Apr-Oct	

Table C20A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Lateral 50-1d	E	0.2.	Sac Riv	Apr-Oct	
Lateral 51-1	E	8.2	Sac Riv	Apr-Oct	
Lateral 51-1a	E	0.4	Sac Riv	Apr-Oct	
Lateral 51-1b	E	1.8	Sac Riv	Apr-Oct	
Lateral 51-1c	E	1.4	Sac Riv	Apr-Oct	
Lateral 51-1c-1	E	0.3	Sac Riv	Apr-Oct	
Lateral 54-1	E	2.1	Sac Riv	Apr-Oct	
Lateral 56-1	E	3.1	Sac Riv	Apr-Oct	
Lateral 56-1a	E	1.4	Sac Riv	Apr-Oct	
Lateral 56-1a-1	E	0.7	Sac Riv	Apr-Oct	
Lateral 56-1b	E	0.5	Sac Riv	Apr-Oct	
Lateral 56-1c	E	2.3	Sac Riv	Apr-Oct	
Lateral 56-1c-1	E	0.6	Sac Riv	Apr-Oct	
Lateral 56-1c-2	E	0.7	Sac Riv	Apr-Oct	
Lateral 56-1c-3	E	0.0	Sac Riv	Apr-Oct	
Lateral 56-1c-4	E	0.1	Sac Riv	Apr-Oct	
Lateral 56-1g	E	0.2	Sac Riv	Apr-Oct	
Lateral 56-1f	E	0.5	Sac Riv	Apr-Oct	
Lateral 58-1	E	1.6	Sac Riv	Apr-Oct	
Lateral 58-1b	E	0.2	Sac Riv	Apr-Oct	
Lateral 58-2	E	0.3	Sac Riv	Apr-Oct	
Lateral 58-2a	E	0.1	Sac Riv	Apr-Oct	
Lateral 58-3	E	0.4	Sac Riv	Apr-Oct	
Lateral 59-0	E	0.5	Sac Riv	Apr-Oct	
Lateral 59-1	E	3.7	Sac Riv	Apr-Oct	
Lateral 59-1a	E	0.6	Sac Riv	Apr-Oct	
Lateral 59-1b	E	0.3	Sac Riv	Apr-Oct	
Lateral 59-1c	E	1.4	Sac Riv	Apr-Oct	
Lateral 59-1c-1	E	0.6	Sac Riv	Apr-Oct	
Lateral 59-1c-2	E	0.1	Sac Riv	Apr-Oct	
Lateral 59-1c-3	E	0.3	Sac Riv	Apr-Oct	
Lateral 59-1d	E	0.2	Sac Riv	Apr-Oct	
Lateral 59-1e	E	0.3	Sac Riv	Apr-Oct	
Lateral 64-1	E	2.9	Sac Riv	Apr-Oct	
Lateral 64-1a	E	5.3	Sac Riv	Apr-Oct	
Lateral 64-1a-1	E	2.8	Sac Riv	Apr-Oct	
Lateral 64-1a-2	E	1.3	Sac Riv	Apr-Oct	
Lateral 64-1a-3	E	0.3	Sac Riv	Apr-Oct	
Lateral 64-1a-4	E	1.0	Sac Riv	Apr-Oct	
Lateral 64-1a-5	E	0.5	Sac Riv	Apr-Oct	
Lateral 64-1b	E	1.3	Sac Riv	Apr-Oct	
Lateral 64-1b-1	E	0.6	Sac Riv	Apr-Oct	
Lateral 64-1c	E	1.8	Sac Riv	Apr-Oct	
Lateral 64-1c-2	E	0.1	Sac Riv	Apr-Oct	
Lateral 64-2	E	2.8	Sac Riv	Apr-Oct	
Lateral 64-2a	E	3.6	Sac Riv	Apr-Oct	
Reclamation Dist. 108					
Wilkins Slough:					
Div. 1	E	1.4	Sac Riv	Mar - Sep	
Div. 2	E	2.6	Sac Riv	Mar - Sep	
Div. 3	E	2.4	Sac Riv	Mar - Sep	
Div. 3 Ext.	E	1.3	Sac Riv	Mar - Sep	
Div. 4	E	3.1	Sac Riv	Mar - Sep	
Div. 5	E	2.1	Sac Riv	Mar - Sep	
10-N	E	0.5	Sac Riv	Mar - Sep	
10-O	C	0.7	Sac Riv	Mar - Sep	
10-P	C	8.4	Sac Riv	Mar - Sep	
10-P-1	E	1.5	Sac Riv	Mar - Sep	
10-P-1A	E	0.8	Sac Riv	Mar - Sep	
10-P-1B	E	0.7	Sac Riv	Mar - Sep	
10-P-2	E	1.5	Sac Riv	Mar - Sep	

Table C20A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
10-P-2 Ext.	E	1.7	Sac Riv	Mar - Sep	
10-P-3	E	0.5	Sac Riv	Mar - Sep	
10-Q	E	4.5	Sac Riv	Mar - Sep	
10-Q-1	E	0.5	Sac Riv	Mar - Sep	
10-Q-1 Ext.	E	0.5	Sac Riv	Mar - Sep	
10-Q-2	E	0.5	Sac Riv	Mar - Sep	
10-Q-2 Ext.	E	0.3	Sac Riv	Mar - Sep	
10-Q-3	E	0.8	Sac Riv	Mar - Sep	
10-Q-4	C	0.5	Sac Riv	Mar - Sep	
10-R	C	1.5	Sac Riv	Mar - Sep	
10-S	E	1.7	Sac Riv	Mar - Sep	
Reclamation Dist. 108					
Wilkins Slough:					
10-S Ext.	E	1.6	Sac Riv	Mar - Sep	
10-S Ext. A	C	0.5	Sac Riv	Mar - Sep	
10-T	C	1.0	Sac Riv	Mar - Sep	
9C	E	0.8	Sac Riv	Mar - Sep	
7	E	1.0	Sac Riv	Mar - Sep	
7-B-3	E	0.3	Sac Riv	Mar - Sep	
7-J	E	1.3	Sac Riv	Mar - Sep	
WS-1	E	0.8	Sac Riv	Mar - Sep	
WS-2	E	0.8	Sac Riv	Mar - Sep	
WS-3	C	1.0	Sac Riv	Mar - Sep	
WS-6	E	1.9	Sac Riv	Mar - Sep	
WS-7	E	1.4	Sac Riv	Mar - Sep	
WS-8	E	0.3	Sac Riv	Mar - Sep	
WS-9	C	0.8	Sac Riv	Mar - Sep	
WS-10	C	1.7	Sac Riv	Mar - Sep	
WS-11	C	0.7	Sac Riv	Mar - Sep	
WS-12	E	0.5	Sac Riv	Mar - Sep	
Boyer's Bend:					
12-A	C	0.6	Sac Riv	Mar - Sep	
12-B	P	1.0	Sac Riv	Mar - Sep	
12-B-2	C	0.4	Sac Riv	Mar - Sep	
12-C	C	3.3	Sac Riv	Mar - Sep	
12-C Ext.	C	0.7	Sac Riv	Mar - Sep	
12-C-1	C	0.4	Sac Riv	Mar - Sep	
12-C-2	C	0.4	Sac Riv	Mar - Sep	
12-C-3	C	0.4	Sac Riv	Mar - Sep	
12-C-4	E	0.4	Sac Riv	Mar - Sep	
12-D	P	0.5	Sac Riv	Mar - Sep	
12-E	C	0.6	Sac Riv	Mar - Sep	
12-E Ext.	C	0.6	Sac Riv	Mar - Sep	
Main	C	0.1	Sac Riv	Mar - Sep	
Howell's Landing:					
15-A	C	1.5	Sac Riv	Mar - Sep	
15-A-1	C	0.5	Sac Riv	Mar - Sep	
15-B	C	0.6	Sac Riv	Mar - Sep	
15-C	C	0.8	Sac Riv	Mar - Sep	
15-C Ext.	C	0.3	Sac Riv	Mar - Sep	
15-D	C	0.6	Sac Riv	Mar - Sep	
Tyndall Mound:					
Main	C	0.1	Sac Riv	Mar - Sep	
13-A	C	0.6	Sac Riv	Mar - Sep	
13-B	C	4.0	Sac Riv	Mar - Sep	
13-B-3	E	0.1	Sac Riv	Mar - Sep	
13-B-4	E	0.1	Sac Riv	Mar - Sep	
13-B-5	E	0.4	Sac Riv	Mar - Sep	
13-C	C	3.0	Sac Riv	Mar - Sep	
13-C Ext.	E	0.4	Sac Riv	Mar - Sep	
13-C-1	C	0.5	Sac Riv	Mar - Sep	

Table C20A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
13-C-2	C	0.4	Sac Riv	Mar - Sep	
El Dorado Bend:					
14-A	E	2.4	Sac Riv	Mar - Sep	
14-A-1	E	2.2	Sac Riv	Mar - Sep	
14-A-2	E	0.6	Sac Riv	Mar - Sep	
14-B	E	7.3	Sac Riv	Mar - Sep	
14-B Ext.	E	1.8	Sac Riv	Mar - Sep	
1-B-A	E	0.4	Sac Riv	Mar - Sep	
1-B-1	E	0.4	Sac Riv	Mar - Sep	
1-B-3	E	0.4	Sac Riv	Mar - Sep	
2-A-1 Ext.	E	1.4	Sac Riv	Mar - Sep	
2-A	E	1.8	Sac Riv	Mar - Sep	
2-A Ext.	E	0.4	Sac Riv	Mar - Sep	
2-A Ext. A	E	0.7	Sac Riv	Mar - Sep	
2-A-2	E	0.3	Sac Riv	Mar - Sep	
2-B	E	1.9	Sac Riv	Mar - Sep	
MK	E	0.9	Sac Riv	Mar - Sep	
2-C	E	1.6	Sac Riv	Mar - Sep	
2-A	E	0.6	Sac Riv	Mar - Sep	
2-D	E	1.5	Sac Riv	Mar - Sep	
2-B	E	1.1	Sac Riv	Mar - Sep	
2-E	E	1.4	Sac Riv	Mar - Sep	
2-C	E	0.6	Sac Riv	Mar - Sep	
2-F	E	1.4	Sac Riv	Mar - Sep	
2-D	E	0.6	Sac Riv	Mar - Sep	
Orland-Artois WD					
District Supply Lines	P	95.0	Sac Riv	Mar-Sep	
Glide Water District					
Lateral 1-3	P	20.0	Sac Riv	Mar-Sep	
Kanawha Water District					
Laterals 1-7	P	90.0	Sac Riv	Mar-Sep	
Maxwell Irrig. District					
South Lateral	E	6.0	Sac Riv	Mar-Sep	
Highline Ditch	E	1.5	Sac Riv	Mar-Sep	
Delevan Refuge Ditch	E	1.0	Sac Riv	Mar-Sep	
Main Ditch	E	3.2	Sac Riv	Mar-Sep	
Lateral F	E	8.0	Sac Riv	Mar-Sep	
2-mile Lateral	E	4.5	Sac Riv	Mar-Sep	
Princeton-Codora-Glenn Irrig. Dist. Supply System					
Angel	E	0.3	Sac Riv, GW		
Armfield	E	2.8	Sac Riv, GW		
Barns	E	1.5	Sac Riv, GW		
Burt	E	1.2	Sac Riv, GW		
Combs	E	0.3	Sac Riv, GW, Tail		
Commons	E	2.6	Sac Riv, GW, Tail		
Davis	E	2.0	Sac Riv, GW, Tail		
Edwards	E	0.6	Sac Riv, GW		
Foster	E	1.2	Sac Riv, GW		
Glenn	E	5.5	Sac Riv, GW, Tail		
Hart	E	1.3	Sac Riv, GW, Tail		
Jessup	E	0.9	Sac Riv, GW, Tail		
Johnson	E	0.6	Sac Riv, GW, Tail		
Johnson Spur	E	0.3	Sac Riv, GW, Tail		
Kinzie	E	0.9	Sac Riv, GW		
Main Canal	E	12.5	Sac Riv, GW		
Moniux NO.	E	1.8	Sac Riv, GW		
Moniux SO.	E	2.9	Sac Riv, GW, Tail		
Nielson	E	2.0	Sac Riv, GW, Tail		
Old Edwards	E	0.6	Sac Riv, GW		
Old Hart	E	0.4	Sac Riv, GW		

TABLE 20A - C3

RECONSTRUCTED NATURAL CHANNELS WITHIN DRAINAGE BASIN 20A
DOMINATED BY AGRICULTURAL DRAINAGE FLOWS OR AGRICULTURAL SUPPLY FLOWS

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Orland-Artois WD Unnamed "A"	E	9.5	SW, Tail	Apr - Sep	
Orland-Artois WD Unnamed "B"	E	13	SW, Tail	Apr - Sep	
East Branch of Walker Creek	E	5	SW, Tail	Apr - Sep	
RD 2047 Lateral "A"	E	13	SW, Tail	Apr - Oct	
Willow Creek (downstream of	E				
Wilson Creek)	E	13	SW, Tail	Apr - Oct	
Shepherd Slough	E	10	SW, Tail	Jan - Dec	
Bounde Creek	E	13	SW, Tail	Jan - Dec	
Hopkins Slough	E	9	SW, Tail	Jan - Dec	
Wilkins Slough	E	8	SW, Tail	Jan - Dec	
Sycamore Slough	E	16	SW, Tail	Jan - Dec	
North Fork Logan Creek	E	2.5	SW, Tail	Apr-Sep	
Logan Creek	E	2.5	SW, Tail	Apr-Sep	
Hunters Creek	E	7	SW, Tail	Apr-Sep	
Funks Creek	E	4	SW, Tail	Apr-Sep	
Stone Corral Creek	E	12	SW, Tail	Apr-Sep	
Lurline Creek	E	10.5	SW, Tail	Apr-Sep	
Freshwater Creek	E	6	SW, Tail	Apr-Sep	
Salt Creek (north)	E	6.5	SW, Tail	Apr-Sep	
Spring Creek	E	3	SW, Tail	Apr-Sep	
Cortina Creek	E	5.5	SW, Tail	Apr-Sep	
South Fork Willow Creek	E	17	SW, Tail	Apr-Sep	
Hayes Hollow Creek	E	3.1	SW, Tail	Apr-Sep	
French Creek	E	6.8	SW, Tail	Apr-Sep	
Wilson Creek	E	7	SW, Tail	Apr-Sep	
Glenn Valley-Manor Slough	E	13	SW, Tail	Apr-Sep	

DRAINAGE BASIN 20B

Drainage Basin 20B lies within the valley floor portion of the Sacramento River Basin that is east of the Sacramento River and south of Big Chico Creek. Land within the Basin lies north of the Sutter Buttes and ultimately drains into Butte Slough. Natural streams in the area either originate in the Sierra Foothills or are former flood channels for the Sacramento River. Historically, all the streams were ephemeral and only carried natural runoff or flood flows for two to four months of the year. The foothill streams drained from the northeast to the southwest while the flood channels drained northwest to southeast. As the channels reached the low-lying areas along the eastside of the Sacramento River, they branched into numerous sloughs and meandering waterways creating extensive wetland habitat. All flows converged in the southwest corner at Butte Slough.

Today the majority of the land within the low-lying areas of this basin is in rice production with the local sloughs and channels extensively reconstructed and continually maintained to enhance production. The surrounding lands along the northern and eastern edge of the basin are a combination of orchards, pastures, and rangeland. A narrow strip along the eastside of the Sacramento River is also planted in orchards.

Nine agencies representing approximately 235,000 acres in this basin, provided information on water bodies within their boundaries. These agencies, which have authority over facilities within their boundaries, included:

Western Canal Water District
Butte County Drainage District #2
Drainage District 200
Richvale Irrigation District
Butte Water District
Reclamation District 833
Biggs-West Gridley Water District
Reclamation District 1004
Butte Sink Waterfowl Association

Based on information provided by the districts, ten natural streams within Drainage Basin 20B, as well as the Butte Sink, were found to be agriculturally dominated for at least a portion of each year.

These streams include:

Butte Creek
Hamlin Slough
Angel Slough
Campbell Slough
Howard Slough
Little Butte Creek
Butte Slough
Durham Slough
Little Dry Creek
Drumheller Slough
Butte Sink

DRAINAGE BASIN 20

The Butte Sink is considered a natural water body although it is composed of a series of interconnected waterways forming wetland habitat rather than a single channel.

The agriculturally-dominated reaches of these water bodies are listed in Tables 20B-B1, 20B-B2, and 20B-C3 and described in more detail below. In addition, constructed agricultural drains and supply canals are listed in Tables 20B-C1 and 20B-C2, respectively.

CATEGORY B1 WATER BODIES

BUTTE CREEK: The main channel in Drainage Basin 20B, Butte Creek originates in the Sierra Foothills east of Chico and upon reaching the valley floor travels southwest 45 miles until discharging into Butte Slough. Along its length, Butte Creek carries natural runoff, agricultural supply and return flow, and supplies for and runoff from wetland habitat. For 14 miles, from 2.5 miles north of the Colusa County line to its discharge, the creek does receive agricultural return flows. These return flows dominate the downstream reach from August until mid-September. During mid-September, freshwater releases are diverted into the channel for flooding wetland habitat. At the Highline Lateral and again at the Western Canal, the upper 28-mile section of the agriculturally-dominated reach, the creek is dammed during the irrigation season to allow recycling. Enough flow is released at each dam to accommodate riparian and appropriative uses downstream.

HAMLIN SLOUGH: Essentially an overflow channel for Butte Creek, Hamlin Slough originates near Highway 99, southeast of Chico, and continues 12 miles downstream until discharging to Butte Creek. Flow in the slough is dominated by agricultural supply water during the irrigation season though it does receive agricultural return flows along its lower 6.5-mile reach. A dam has been constructed at Rancho Esquon to allow recycling during the irrigation season in that portion of the slough's watershed (the upper 5.5 miles of the agriculturally dominated portion of the slough).

BUTTE SLOUGH: An eight mile slough which begins at the junction of Butte Creek and the Sutter Bypass, Butte Slough carries excess flows from the basin to a discharge point at the Sacramento River. The slough serves as this diversion whenever flows in Butte Creek exceed 350 cfs which, since 1985, has only occurred during winter storm events and during April and May rice field releases. For the remainder of the year, the slough is a backwater reach which receives flows from Butte Creek and is, therefore, dominated by agricultural return flows during the irrigation season.

DRAINAGE BASIN 20

BUTTE SINK: Although the Butte Sink is managed for waterfowl, it should be noted that a multi-agency agreement was reached in 1922 which requires a set amount of tailwater to be released from upstream drainage districts for the floodup of wetland habitat. The releases are to begin in August and continue until contracted freshwater releases begin in mid-September. Between August and mid-September, all waterways within the Butte Sink are dominated by agricultural return flows.

The following former flood channels were cut off from any natural flows when the Sacramento River was leveed. With the exception of one flood channel, Angel Slough, the only water found in these channels is due to water diversions for agricultural supply or tail water return flows. Angel Slough can now receive annual flood flows due to the construction of a diversion channel to enhance wetland habitat restoration as is discussed below.

ANGEL SLOUGH: Originally a 21-mile flood channel for the Sacramento River, Angel Slough was cut off from natural flows when the river was leveed. Recently, the Army Corps of Engineers designed a low level diversion point which allows some winter flows from the river to enter the channel. The diversion was constructed as part of a joint project with the Department of Fish and Game and the Nature Conservancy to restore wetland habitat in the Llano Seco portion of the Basin (the northwest corner). The channel now receives flood flows during winter storm events but continues to be dominated by agricultural return flows during the irrigation season; April through September. During the irrigation season, flows within the upper six miles of Angel Slough are recycled through the Llano Seco Unit. The remaining 15 miles receives agricultural return flows until discharge into Drumheller Slough.

CAMPBELL SLOUGH: Campbell Slough originates three miles east of Glenn and travels eight miles until discharging into Howard Slough. Flows are dominated by agricultural supply water during the majority of the irrigation season. Return flows dominate when the rice fields are drained from August through September.

HOWARD SLOUGH: A six mile channel, Howard Slough originate near Aquas Frias and discharges into Butte Creek. The slough is dominated by agricultural return flows during the irrigation season.

LITTLE BUTTE CREEK: Little Butte Creek originates at the base of the Llano Seco Unit wetlands and travels for six miles before discharging to Butte Creek. Although Little Butte Creek may receive overflow from the wetland area in the winter and spring, it is dominated by agricultural return flows during the irrigation season.

CATEGORY B2 WATER BODIES

BUTTE CREEK: For the majority of the irrigation season, April through September, Butte Creek is dominated by supply flows from its intersection with the Southern Pacific Railroad near Esquon to its discharge into Butte Slough, approximately 29 miles. For 14 miles, from 2.5 miles north of the Colusa County line to its discharge, the creek does receive agricultural return flows. During mid-September, freshwater releases are diverted into the channel for flooding wetland habitat. At the Highline Lateral and again at the Western Canal, the upper 28-mile section of the agriculturally-dominated reach, the creek is dammed during the irrigation season to allow recycling. Enough flow is released at each dam to accommodate riparian and appropriative uses downstream.

HAMLIN SLOUGH: Essentially an overflow channel for Butte Creek, Hamlin Slough originates near Highway 99, southeast of Chico, and continues 12 miles downstream until discharging to Butte Creek. Flow in the slough is dominated by agricultural supply water during the irrigation season though it does receive agricultural return flows along its lower 6.5-mile reach. A dam has been constructed at Rancho Esquon to allow recycling during the irrigation season in that portion of the slough's watershed (the upper 5.5 miles of the agriculturally dominated portion of the slough).

CAMPBELL SLOUGH: Campbell Slough originates three miles east of Glenn and travels eight miles until discharging into Howard Slough. Flows are dominated by agricultural supply water during the majority of the irrigation season. Return flows dominate when the rice fields are drained from August through September.

CATEGORY C3 WATER BODIES

LITTLE DRY CREEK: Extensively reconstructed downstream of the Western Canal, Little Dry Creek is an ephemeral stream that originates near the base of the Sierra Foothills. The upper reaches of the creek meander through rangeland and contain flows only during storm events. The final 15 miles, from the Western Canal to the creek's discharge into Butte Creek, Little Dry Creek has been realigned to receive agricultural return flows. From April through September, the creek is dominated by these return flows.

DURHAM SLOUGH: Originally part of an overflow channel for Butte Creek, Durham Slough has been extensively reconstructed for agricultural conveyance and no longer receives natural runoff. The slough originates south of the town of Durham and travels seven miles until discharging into Butte Creek. During the irrigation season, the slough carries both irrigation supply, as well as agricultural return flows.

DRAINAGE BASIN 20

DRUMHELLER SLOUGH: A former flood channel for the Sacramento River, Drumheller Slough no longer receives natural runoff and has been realigned to serve as an agricultural supply channel. The slough originates at a pumping station on the Sacramento River two miles north of the Glenn-Colusa County line and travels eleven miles until its discharge into Butte Creek. During the irrigation season, the slough acts primarily as a supply channel but it does receive agricultural return flows as it travels downstream.

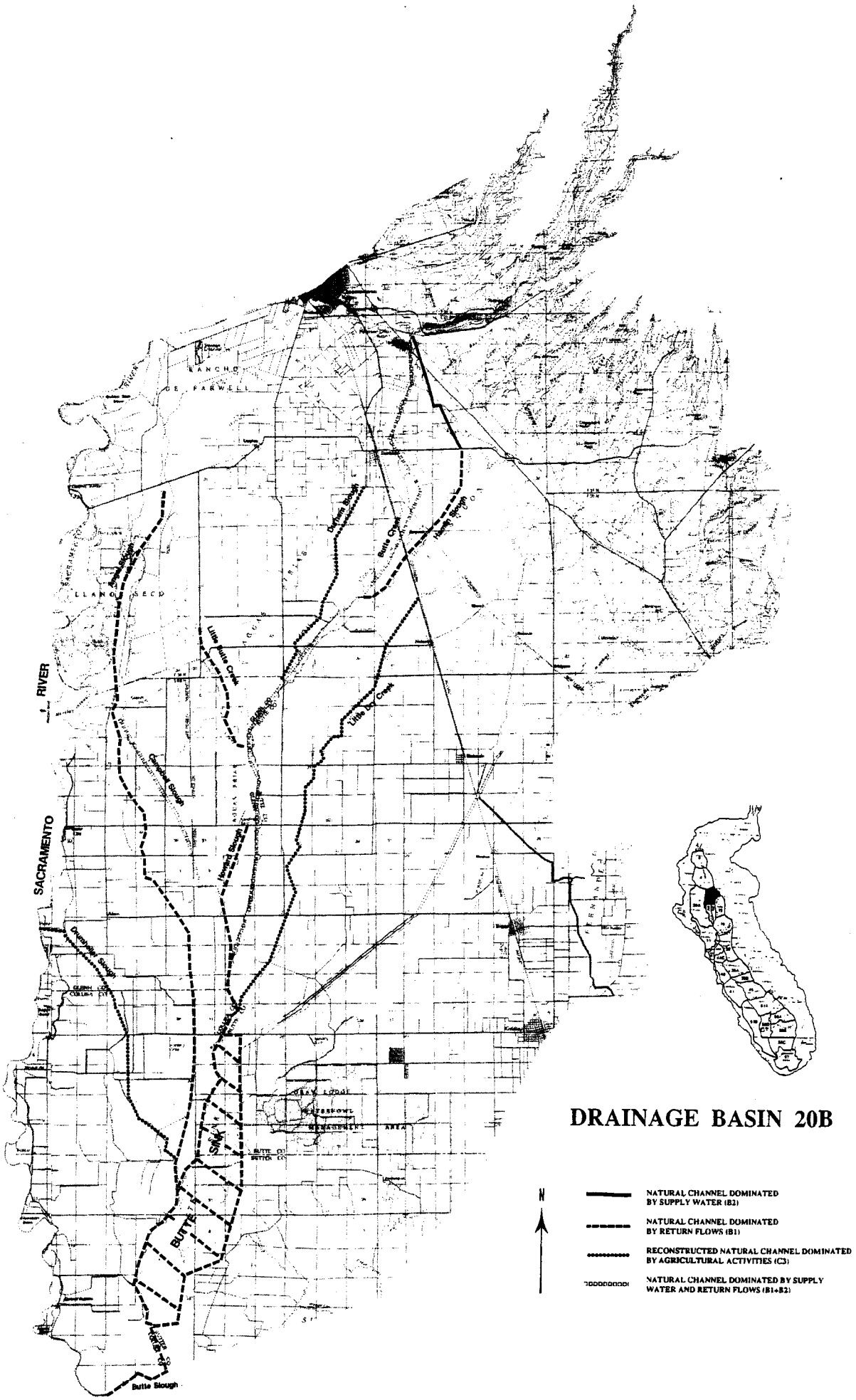

DRAINAGE BASIN 20B
NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)
NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)
RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)
NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)
N
SACRAMENTO
RIVER
Butte Slough
Little Butte Creek
Little Dry Creek
Butte Creek
Dutch Slough
Cherokee Slough
Dry Creek
Sink
BUTTE

TABLE 20B - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 20B DOMINATED BY AGRICULTURAL DRAINAGE FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Butte Creek*	15		Tail	Aug - Sep	6
Hamlin Slough*	12		Tail	Apr - Sep	6
Butte Sink	10		Tail	Aug - Sep	6
Angel Slough	21		Tail	Apr - Sep	6
Campbell Slough*	8		Tail	Aug - Sep	6
Howard Slough	6		Tail	Apr - Sep	6
Little Butte Creek	6		Tail, WT	Apr - Sep	6
Butte Slough	6		Tail	Apr - Sep	6

*Dominated by both tail and supply water.

TABLE 20B - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 20B DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Butte Creek*	29	SW, WT, Tail	Apr - Sep	6
Hamlin Slough*	12	Butte Creek	Apr - Sep	6
Campbell Slough*	8	SW	Apr - Aug	6

*Dominated by both tail and supply water.

TABLE 20B - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 20B

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RD 833 - Lateral A	E	14		Tail	Mar - Oct	6
RD 833 - Lateral A6	E	3.5		Tail	Mar - Oct	6
RD 833 - Main Canal	E	12		U, WW, Tail, LO	Mar - Oct	6
RD 833 - Lateral E	E	9.5		Tail, U, WW	Mar - Oct	6
Watts Lateral	E	1.9		NF, Tail	Jan - Dec	6
A	E	2.6		NF, Tail	Sep - Mar	6
B	E	1.1		NF, Tail	Sep - Mar	6
C	E	1.6		NF, Tail	Sep - Mar	6
D	E	1.7		NF, Tail	Sep - Mar	6
E1	E	1.8		NF, Tail	Sep - Mar	6
E2	E	1.75		NF, Tail	Sep - Mar	6
F1	E	3.4		NF, Tail	Sep - Mar	6
F2	E	1.2		NF, Tail	Sep - Mar	6
G	E	0.7		NF, Tail	Sep - Mar	6
H	E	1.3		NF, Tail	Sep - Mar	6
J	E	4.4		NF, Tail	Sep - Mar	6
K1	E	4.3		NF, Tail	Sep - Mar	6
K2	E	0.5		NF, Tail	Sep - Mar	6
K3	E	1.2		NF, Tail	Sep - Mar	6
L	E	1		NF, Tail	Sep - Mar	6
M	E	1.7		NF, Tail	Sep - Mar	6
N1	E	0.5		NF, Tail	Sep - Mar	6
N2	E	0.8		NF, Tail	Sep - Mar	6
O	E	1.8		NF, Tail	Sep - Mar	6
P	E	0.6		NF, Tail	Sep - Mar	6
Q1	E	2.2		NF, Tail	Sep - Mar	6
Q2	E	0.5		NF, Tail	Sep - Mar	6
Q3	E	0.7		NF, Tail	Sep - Mar	6
Q4	E	1		NF, Tail	Sep - Mar	6
DD 200 - Main Ditch A	E	4	3203	Tail, NF	Dec - Sep	6
DD 200 - Lateral A1	E	0.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral A2	E	1.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral A2b	E	1		Tail, NF	Dec - Sep	6
DD 200 - Lateral A3	E	1.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral A4	E	1		Tail, NF	Dec - Sep	6
DD 200 - Lateral A4a	E	1.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral A5	E	0.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral A6	E	1.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral A7	E	1.25		Tail, NF	Dec - Sep	6
DD 200 - Main Ditch B	E	6.5	3155	Tail, NF	Dec - Sep	6
DD 200 - Lateral B1	E	1.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral B2	E	1.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral B3	E	0.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral B3a	E	0.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral B3b	E	0.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral B4	E	0.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral B5	E	0.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral B6	E	0.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral B7	E	0.25		Tail, NF	Dec - Sep	6
DD 200 - Lateral B8	E	2		Tail, NF	Dec - Sep	6
DD 200 - Lateral B9	E	1.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral B9a	E	0.5		Tail, NF	Dec - Sep	6
DD 200 - Lateral B9b	E	0.5		Tail, NF	Dec - Sep	6
March	E	2		Tail, Supply	Apr - Jan	6
Bradford	E	4		Tail, Supply	Apr - Jan	6
BL Sper A	E	0.5		Tail, Supply	Apr - Jan	6
BL Sper B	E	1		Tail, Supply	Apr - Sep	6
BL Sper C	E	1		Tail, Supply	Apr - Jan	6
BL Sper D	E	0.5		Tail, Supply	Apr - Jan	6
Watts	E	4.3		Tail, Supply	Apr - Jan	6
Maxwell	E	3		Tail, Supply	Apr - Jan	6
ML Sper A	E	1.5		Tail, Supply	Apr - Jan	6
ML Sper B	E	1.5		Tail, Supply	Apr - Jan	6
Cherokee	E	3		Tail, Supply	Apr - Jan	6
Crocker	E	5		Tail, Supply	Apr - Jan	6
Dunaho	E	3		Tail, Supply	Apr - Jan	6
Theback	E	1.5		Tail, Supply	Apr - Sep	6
Mayni's	E	1		Tail, Supply	Apr - Sep	6

Table 20B-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Browning	E	1		Tail, Supply	Apr - Jan	6
BWG - 2054 Drain	E	5		Tail, Supply	Mar - Oct	6
BWG - Drain #832	E	3		Tail, Supply	Mar - Oct	6
BWG - Lateral C	E	5		Tail, Supply	Mar - Oct	6
BWG - Lateral E1	E	6		Tail, Supply	Mar - Oct	6
BWG - Lateral E5	E	1		Tail, Supply	Mar - Oct	6
BWG - Lateral H	E	6		Tail, Supply	Mar - Oct	6
BGW - Lateral A-6	E	2		Tail, Supply	Mar - Oct	6
Cherokee Canal	E	2		Tail, Supply	Apr - Jan	6
D-1	E	11.3		Tail	Mar - Nov	6
D-2	E	1.3		Tail	Mar - Nov	6
D-3	E	1.4		Tail	Mar - Nov	6
D-4	E	1.7		Tail	Mar - Nov	6
D-5	E	0.9		Tail	Mar - Nov	6
D-6	E	0.8		Tail	Mar - Nov	6
D-7	E	0.8		Tail	Mar - Nov	6
D-8	E	1.5		Tail	Mar - Nov	6
D-9	E	0.6		Tail	Mar - Nov	6
D-10	E	2		Tail	Mar - Nov	6
D-11	E	3.3		Tail	Mar - Nov	6
D-12	E	0.93		Tail	Mar - Nov	6
D-13	E	1.8		Tail	Mar - Nov	6
D-14	E	0.9		Tail	Mar - Nov	6
D-15	E	1.1		Tail	Mar - Nov	6
D-18	E	3.6		Tail	Mar - Nov	6
D-19	E	1.2		Tail	Mar - Nov	6
D-20	E	2		Tail	Mar - Nov	6
D-21	E	1.9		Tail	Mar - Nov	6
D-22	E	1.7		Tail	Mar - Nov	6
D-23	E	2.6		Tail	Mar - Nov	6
D-24	E	1.1		Tail	Mar - Nov	6
D-25	E	0.8		Tail	Mar - Nov	6
D-26	E	1.3		Tail	Mar - Nov	6

LO = Lake Oroville

TABLE 20B - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 20B

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Sutter Butte Main Canal	E	6.5	LO	Mar - Oct	6
Biggs Ditch Lateral	E	3	LO	Mar - Oct	6
Biggs Colony Lateral	E	2	LO	Mar - Oct	6
Sheppard Ditch	E	0.25	LO	Mar - Oct	6
BWD Lateral 3	E	1.5	LO	Mar - Oct	6
BWD Lateral 4	E	5	LO	Mar - Oct	6
Biggs Extension	E		FR	Mar - Oct	6
Belding Lateral	E	6	FR	Mar - Oct	6
Ashley Lateral	E	10	FR	Mar - Oct	6
Ditch No. 19	E		FR	Mar - Oct	6
Green Lateral	E	2.5	FR	Mar - Oct	6
Traynor Lateral	E	5	FR	Mar - Oct	6
Spence Lateral	E	2	FR	Mar - Oct	6
Gerst Lateral	E	3.5	FR	Mar - Oct	6
Evans Lateral	E	1	FR	Mar - Oct	6
Ditzler Lateral	E	2	FR	Mar - Oct	6
Baynon Lateral	E	1.5	FR	Mar - Oct	6
Farris Lateral	E	1	FR	Mar - Oct	6
Fleming Lateral	E	1.5	FR	Mar - Oct	6
N#8	E	1.25	FR	Mar - Oct	6
Lateral 8	E	2	FR	Mar - Oct	6
S#8	E	1	FR	Mar - Oct	6
Schwind Lateral	E	2	FR	Mar - Oct	6
Richvale	E	3	FR	Apr - Jan	6
High Lift	E	5	FR	Apr - Jan	6
March *	E	2	FR	Apr - Jan	6
Pratt	E	3.5	FR	Apr - Jan	6
Pump Ditch	E	1	FR	Apr - Jan	6
Lowlift	E	3	FR	Apr - Jan	6
LL Sper A	E	0.75	FR	Apr - Sep	6
LL Sper B	E	1	FR	Apr - Sep	6
LL Sper C	E	0.5	FR	Apr - Sep	6
Bradford *	E	4	FR	Apr - Jan	6
BL Sper A *	E	0.5	FR	Apr - Jan	6
BL Sper B *	E	1	FR	Apr - Sep	6
BL Sper C *	E	1	FR	Apr - Jan	6
BL Sper D *	E	0.5	FR	Apr - Jan	6
Biggs Ext.	E	4	FR	Apr - Jan	6
High Gravity	E	2.5	FR	Apr - Jan	6
Low Gravity	E	2	FR	Apr - Jan	6
Evans	E	1.2	FR	Apr - Sep	6
McQueen	E	0.5	FR	Apr - Sep	6
Baker	E	1	FR	Apr - Sep	6
McKee	E	0.75	FR	Apr - Sep	6
Watts *	E	4.3	FR	Apr - Jan	6
Maxwell *	E	3	FR	Apr - Jan	6
ML Sper A *	E	1.5	FR	Apr - Jan	6
ML Sper B *	E	1.5	FR	Apr - Jan	6
Stine	E	2	FR	Apr - Jan	6
Government	E	1.5	FR	Apr - Jan	6
Burns Gov.	E	3	FR	Apr - Jan	6
Cherokee *	E	3	FR	Apr - Jan	6
Crocker *	E	5	FR	Apr - Jan	6
Dunaho *	E	3	FR	Apr - Jan	6
Theback *	E	1.5	FR	Apr - Sep	6
Mayni's *	E	1	FR	Apr - Sep	6
Browning *	E	1	FR	Apr - Jan	6
WC Main Canal	E	14.8	FR	Apr - Jan	6
374 Lateral **	E	0.4	FR	Apr - Jan	6
462 Lateral **	E	1.6	FR	Apr - Jan	6
522 Lateral **	E	0.8	FR	Apr - Jan	6
574 Lateral **	E	1.7	FR	Apr - Jan	6
575 Lateral **	E	1	FR	Apr - Jan	6
599 R Lateral **	E	1.7	FR	Apr - Jan	6
660 Lateral **	E	0.7	FR	Apr - Jan	6
690 Lateral **	E	1.7	FR	Apr - Jan	6
701 Lateral **	E	1.6	FR	Apr - Jan	6

Table 20B-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
735 Lateral **	E	2.2	FR	Apr - Jan	6
743 Lateral **	E	2.4	FR	Apr - Jan	6
806 Lateral **	E	3	FR	Apr - Jan	6
924 Lateral	E	7.8	FR	Apr - Jan	6
Highline Lateral	E	3	FR	Apr - Jan	6
Pratt Lateral	E	1	FR	Apr - Jan	6
Pratt Lateral **	E	3.8	FR	Apr - Jan	6
1052 Lateral **	E	1	FR	Apr - Jan	6
1131 Lateral **	E	1	FR	Apr - Jan	6
1184 Lateral **	E	2	FR	Apr - Jan	6
1190 Lateral **	E	1	FR	Apr - Jan	6
1500 Lateral	E	5.4	FR	Apr - Jan	6
Ward Lateral	E	6.2	FR	Apr - Jan	6
Ward 120 Lateral	E	3	FR	Apr - Jan	6
WC Main south of Reservoir	E	7	FR	Apr - Jan	6
1625 Lateral	E	5	FR	Apr - Jan	6
Cherokee Canal*	E	18	FR, Tail	Apr - Jan	6
S-2	E	1.2	Sac River	Mar - Nov	6
S-3	E	1.1	Sac River, GW	Mar - Nov	6
S-4	E	2.8	Sac River, GW	Mar - Nov	6
S-5	E	1	Sac River, GW	Mar - Nov	6
S-6	E	1.3	Sac River, GW	Mar - Nov	6
S-7	E	1.3	Sac River, GW	Mar - Nov	6
S-8	E	1.5	Sac River, GW	Mar - Nov	6
S-9	E	1.5	Sac River, GW	Mar - Nov	6
S-10	E	0.8	Sac River, GW	Mar - Nov	6
S-12	E	1.8	Sac River, GW	Mar - Nov	6
S-13	E	1.5	Sac River, GW	Mar - Nov	6
S-14	E	0.9	Sac River, GW	Mar - Nov	6
S-15	E	2	Sac River, GW	Mar - Nov	6
S-16A	E	1	Sac River, GW	Mar - Nov	6
SD-17	E	2.1	Sac River, GW,Tail	Mar - Nov	6
S-18	E	2	Sac River, GW	Mar - Nov	6
S-19	E	1	Sac River, GW	Mar - Nov	6
S-20	E	1.1	Sac River	Mar - Nov	6
S-21	E	2	Sac River	Mar - Nov	6
S-22	E	1.7	Sac River	Mar - Nov	6
S-23	E	0.6	Sac River	Mar - Nov	6
S-24	E	3	Sac River	Mar - Nov	6
S-25	E	0.5	Sac River	Mar - Nov	6
S-26	E	0.9	Sac River	Mar - Nov	6

LO = Lake Oroville

FR = Feather River

* Canals which contain both supply and agtail water

** Grower Owned

DRAINAGE BASIN 20C

Drainage Basin 20C drains to the south and southwest. It is bounded on the east by the Feather River and on the west by the Sutter Bypass. Almost all water leaving the Basin does so through the Sutter Bypass.

The Basin is approximately 130,400 acres and covers all or portions of the following water, reclamation, drainage and levee improvement agencies:

Biggs-West Gridley Water District
Butte Water District
Sutter Extension Water District
Reclamation District No. 777
Reclamation District No. 2056
Reclamation District No. 2054
Drainage District No. 1
Tierra Buena Drainage District
Sutter County Water Agency
Feather Water District
Tudor Mutual Irrigation Company
Hamatani Ranch
Garden Highway Mutual Water Company
Sutter Butte Mutual Water Company
Sutter National Wildlife Refuge
Goose Club Farms (Sutter Bypass Properties)
Department of Water Resources, State of California

These 17 agencies have authority over water supply and drainage within their boundaries.

The Basin drains an extensive area with a variety of agricultural production. Because the Basin is semi-arid, water supplies are highly regulated for agricultural irrigation. There is no natural flow which occurs within the area surrounded by the levees. The area was leveed for flood protection beginning in the 1920s. As a result of the levee construction and agricultural development, there is only a portion of one natural slough remaining within the levees (Gilsizer Slough). Three other old flood channels within the levees (Morrison Slough, Snake River and Live Oak Slough) have been completely realigned, modified and reconstructed to the extent that they now only carry agricultural and rainfall drainage. These three channels carry no characteristics of a natural stream.

The Sutter Bypass was constructed primarily along the route of an older flood levee which had impeded the natural flow routes within the basin. The Bypass was to serve as the main flood control and drainage channel for the Butte Sink and most of the Sutter Basin. With the levelling, realignment and reconstruction of most natural waterways within the Sutter Basin and the Butte Sink, the Sutter Bypass is functionally acting as the outlet channel for all natural flow from the area. Like the three main channels (Wadsworth Canal, Butte Slough and Gilsizer Slough) that flow into it, the Bypass is dominated by agricultural drainage waters during the irrigation season. This in turn affects the portions of the downstream sloughs (Willows Slough, Nelson Slough and Sacramento Slough) within the Bypass that water flows through.

DRAINAGE BASIN 20C

Due to concerns of off-site movement of herbicides applied to rice fields in the basin, drains discharging into the Sutter Bypass have been closed for periods of time since 1990. During these closure periods, water which reaches the discharge points is recycled to prevent potential chemical contamination downstream, as well as to aid in conservation practices during the continued drought. In light of the continued focus on both water conservation and impacts of rice herbicides, the practice of recycling is like to continue into the future without regard to water year type. With recycling during the extended drought, flows only enter the Sutter Bypass between November and March when the gates are opened to allow natural storm runoff and flood flows. Under conditions during a normal rainfall year, some releases into the Bypass may be expected during rice field drainage in August and September.

Within the agricultural area of Drainage Basin 35B, all or portions of six ephemeral streams or sloughs are dominated by either irrigation supply flows or agricultural drainage between March and November of each year. Those water bodies include:

Gilsizer Slough (downstream of O'Banion Road)
Butte Slough
Sutter Bypass (East and West Borrow Pit Channels)
Willow Slough
Nelson Slough
Sacramento Slough (downstream of Karnak)

The reaches of each natural channel that are dominated by agricultural activities are shown in Table 20C-B1. Natural channels that have been extensively reconstructed and whose flows are now dependent on agricultural activities are listed in Table 20C-C3 as constructed facilities. A short description of each of the water bodies listed in these two tables follows. In addition, constructed agricultural drains and supply canals are listed in Tables 20C-C1 and 20C-C2, respectively.

Flows from this Basin enter the Sacramento River via the Sutter Bypass. Monitoring should stress these discharges; however, because of the importance of the Sutter National Wildlife Refuge in the Sutter Bypass, monitoring should also emphasize flows and quality entering the Bypass.

CATEGORY B1 WATER BODIES

BUTTE SLOUGH: Butte Slough is a natural flood channel of the Sacramento River and Butte Creek. Flows from both the water bodies are now highly regulated, and flow into Butte Slough is also regulated. Flow now is entirely from Butte Creek when it is released into the Slough. Butte Creek is dominated by agricultural and wetland return flows; therefore, the Slough carries the same domination. The Slough enters the Sutter Bypass immediately south of State Highway 20.

DRAINAGE BASIN 20C

WILLOW SLOUGH: Willow Slough is a small slough that interconnects the east and west borrow areas of the Sutter Bypass. Because the Slough is entirely within the Bypass, it is dominated by agricultural return flows.

NELSON SLOUGH: Nelson Slough is a natural slough that is interconnect point between the borrow pit channels of the Sutter Bypass. Any water leaving the east borrow channel flows through a portion of Nelson Slough. Because its flow develops within the Bypass, it is dominated by agricultural and wetland return flows.

SACRAMENTO SLOUGH (downstream of Karnak): Sacramento Slough downstream of Karnak is the only remaining natural portion of what was likely a major Slough decades ago. The portion on the River side of the levee receives agricultural and wetland drainage from the entire Sutter Basin. It also receives flow from Reclamation District 1500 on the west side of the Sutter Bypass and from the remainder of the Basin through flows from the Sutter Bypass. All of its flow outside the rainfall periods are agricultural drainage dominated.

GILSIZER SLOUGH (downstream of O'Banion Road): Downstream of O'Banion Road, Gilsizer Slough flows for 6.0 miles in its natural channel until discharging to the Sutter Bypass or being routed further south for irrigation. This portion of the Slough is dominated by agricultural return flows during the irrigation season (between March and October). A recycling pump has been set up at Township Road to allow diversion of the collected tailwater back into the irrigation supply canals.

CATEGORY C3 WATER BODIES

MORRISON SLOUGH: Morrison Slough is an old flood channel which no longer has any connection to the River. The Slough has no natural flow but does carry storm runoff and agricultural return waters. The Slough was extensively realigned, reconstructed and channelized in the 1920-1950 period to the point that it resembles an agricultural supply or drainage channel. The Slough now is channeled to the Snake River, which flows into the State Interceptor Canal which, in turn, flows into the Wadsworth Canal.

SNAKE RIVER: The Snake River is an old flood overflow channel of the Feather River. With leveeing and flood control, the channel no longer has any natural flow. Early in development of this basin, this dry channel was reconstructed and realigned to be a flood drain for the local area. The only flow in this drain is now agricultural return flow and storm flow. The channel has been intercepted in at least two places to divert its flows to other drainage channels.

DRAINAGE BASIN 20C

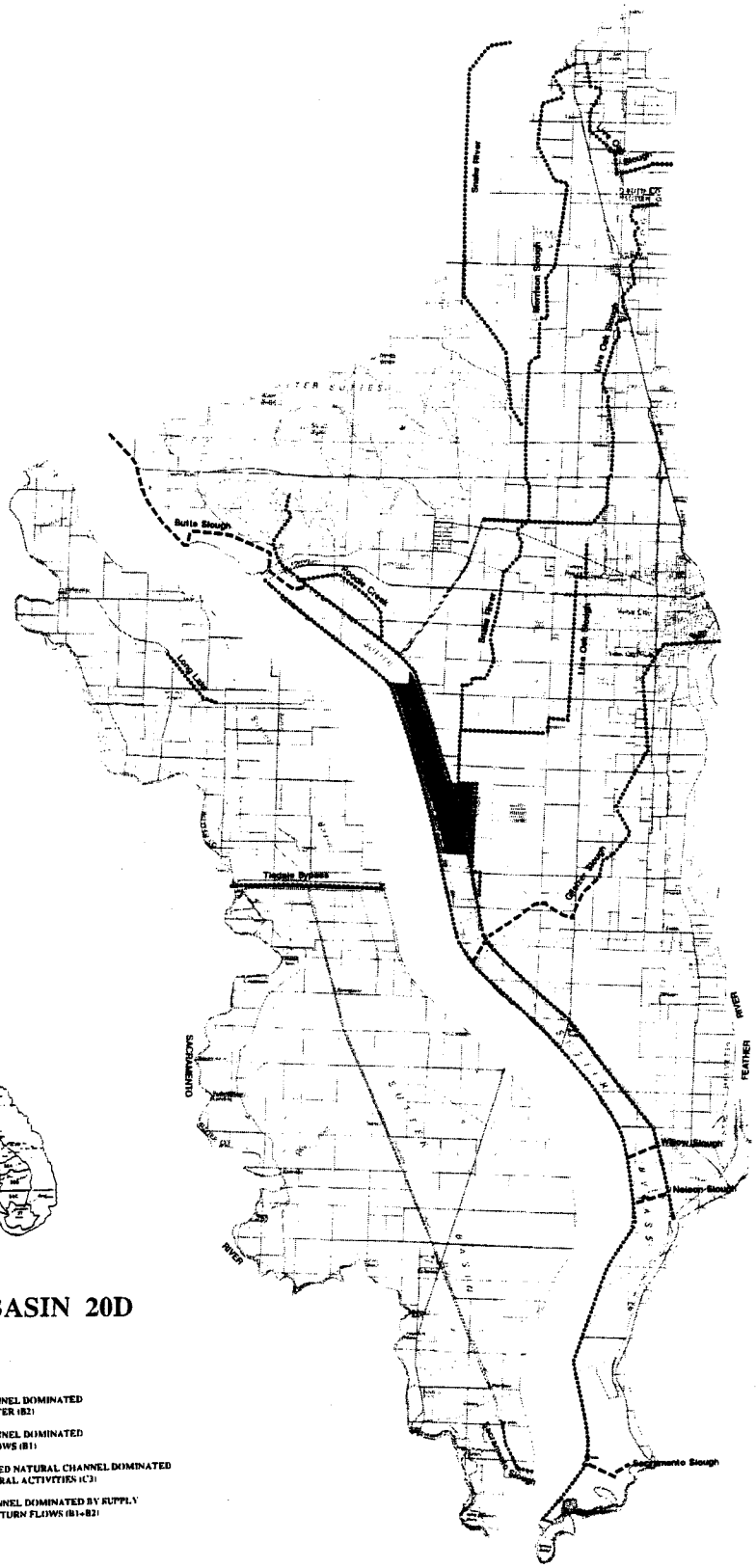
LIVE OAK SLOUGH: The Live Oak Slough is an old flood channel of the Feather River which no longer has any natural flow. The Slough channel was changed, realigned and reconstructed in the 1920-30s. The Slough is now referred to as the Live Oak Drain as it carries urban runoff and agricultural drainage water from a large number of areas. The old channel is no longer continuous. It has been cut in two places, and flow diverted to other channels. None of the three reaches carry any natural flow or natural riparian growth.

GILSIZER SLOUGH (Yuba City to O'Banion Road): Gilsizer Slough is the only water body within the levee area that still flows approximately in its natural channel. The Slough has been modified and straightened in several locations. In particular, a 11.0 mile reach of the channel from Yuba City to O'Banion Road was extensively rechannelized to remove riparian vegetation because of the impact of mosquitoes on the expanding urban area. This section of the Slough no longer contains characteristics of a natural channel. Flow in the Yuba City area is dominated by urban runoff, while agricultural drainage flows dominate the lower reach. The Slough is not used to transport agricultural supply water. The entire length of the Slough can be considered dominated by agricultural drainage.

POODLE CREEK: Poodle Creek is a small ephemeral stream that originates in the Sutter Buttes and formerly discharged into Butte Slough immediately south of Highway 20. With the levee construction, the creek channel was realigned and reconstructed to discharge into the Sutter Bypass, immediately north of the Wadsworth Canal. The Creek has little or no natural flow outside of the rainfall season. Its flow is dominated by agricultural drainage during the irrigation season.

SUTTER BYPASS (East and West Borrow Pit Channels): The Sutter Bypass is a constructed waterway to carry flood flows. Because of its construction, it is not often referred to as a natural channel; however, because of the nature of the flows it carries (flood flows and accumulated return flows), the borrow pit areas have developed a strong characteristic of a natural channel. In addition, the Bypass was constructed to intercept natural flows, and the borrow pit channels are functionally acting as the remaining outlet channels for all natural flow from the area. Outside of the flood season, flows are normally in the borrow areas along both levees, thus allowing agricultural activities in some areas. Also, the Bypass is used as part of the Sutter National Wildlife Refuge and the borrow pit channels have ladders for fish migration. Outside of the flood period and intentional releases for waterfowl uses, flow in the Bypass is dominated by the agricultural return flows.

LITTLE BLUE CREEK: Little Blue Creek is the Southern 3 mile portion of the old San Creek Channel which has been extensively reconstructed and cut off from the northern section of San Creek. It now serves to convey agricultural discharge water which is diverted to another drainage channel before discharge into Gilsizer Slough.



DRAINAGE BASIN 20C

N

NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)

NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)

RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)

NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

DRAINAGE BASIN 20D

N

NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)

NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)

RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)

NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 20C - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 20C

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Butte Water District Biggs-West Gridley WD Reclamation District 2054						
Lateral Extension 3-1/2	E	1.7		OP, Tail	Mar - Oct	1, 6
Lateral Extension 3-3/4	E	4.0		OP, Tail	Mar - Oct	1, 6
Lateral #0	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1/2	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1	E	6.7		OP, Tail	Mar - Oct	1, 6
Lateral #1A	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1B	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #1C	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #1C - 1	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1E	E	1.5		OP, Tail	Mar - Oct	1, 6
Lateral #1E - 1	E	1.4		OP, Tail	Mar - Oct	1, 6
Lateral #1E - 1A	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #1E - 1B	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #1E - 1B 1/2	E	0.6		OP, Tail	Mar - Oct	1, 6
Lateral #1E - 1C	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1E - 1D	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1E - 2	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #1F	E	0.8		OP, Tail	Mar - Oct	1, 6
Lateral #1G	E	0.6		OP, Tail	Mar - Oct	1, 6
Lateral #1H	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1K	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #1L	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #1M	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #1O	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1P	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #1R	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #2	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #3	E	2.9		OP, Tail	Mar - Oct	1, 6
Lateral #3A	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #3B	E	1.5		OP, Tail	Mar - Oct	1, 6
Lateral #3C	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #4	E	2.9		OP, Tail	Mar - Oct	1, 6
Lateral #4A	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #4B	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #4C	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #5	E	1.8		OP, Tail	Mar - Oct	1, 6
Lateral #5A	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #6	E	0.4		OP, Tail	Mar - Oct	1, 6
Butte Water District Reclamation District 2056						
Lateral #1	E	1.0		OP, Tail	Mar - Oct	1, 6
Lateral #2	E	0.03		OP, Tail	Mar - Oct	1, 6
Lateral #3	E	1.0		OP, Tail	Mar - Oct	1, 6
Lateral #4	E	0.8		OP, Tail	Mar - Oct	1, 6
Lateral #5	E	1.7		OP, Tail	Mar - Oct	1, 6
Lateral #5B	E	0.02		OP, Tail	Mar - Oct	1, 6
Lateral #6	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #7	E	1.7		OP, Tail	Mar - Oct	1, 6
Lateral #7A	E	0.8		OP, Tail	Mar - Oct	1, 6
Lateral #7A - 1	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #8	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #9	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #10	E	0.6		OP, Tail	Mar - Oct	1, 6
Lateral #11	E	1.5		OP, Tail	Mar - Oct	1, 6
Lateral #13	E	1.3		OP, Tail	Mar - Oct	1, 6
Lateral #13A	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #14	E	1.6		OP, Tail	Mar - Oct	1, 6
Lateral #14A	E	1.5		OP, Tail	Mar - Oct	1, 6
Lateral #14A - 1	E	0.4		OP, Tail	Mar - Oct	1, 6
Lateral #15	E	1.3		OP, Tail	Mar - Oct	1, 6
Lateral #15B	E	1.8		OP, Tail	Mar - Oct	1, 6
Lateral #15B - 1	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #15B - 2	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #15B - 3	E	0.1		OP, Tail	Mar - Oct	1, 6

Table 20C-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Lateral #15B - 4	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #15B - 6	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #15B - 7	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #15B - 8	E	0.02		OP, Tail	Mar - Oct	1, 6
Lateral #15C	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #15C - 1	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #15D	E	0.03		OP, Tail	Mar - Oct	1, 6
Lateral #16	E	0.8		OP, Tail	Mar - Oct	1, 6
Lateral #16A	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #16B	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #17	E	1.0		OP, Tail	Mar - Oct	1, 6
Lateral #18	E	0.8		OP, Tail	Mar - Oct	1, 6
Butte Water District Reclamation District 777						
Original Lateral #1	E	0.6		OP, Tail	Mar - Oct	1, 6
Lateral #1	E	4.2		OP, Tail	Mar - Oct	1, 6
Lateral #1A	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #1B	E	0.8		OP, Tail	Mar - Oct	1, 6
Lateral #2 (north)	E	2.0		OP, Tail	Mar - Oct	1, 6, 10
Lateral #2 (south)	E	1.2		OP, Tail	Mar - Oct	1, 6
Lateral #2A	E	1.0		OP, Tail	Mar - Oct	1, 6, 10
Lateral #2A - 1	E	3.7		OP, Tail	Mar - Oct	1, 6
Lateral #2A - 1A	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #2A - 1B	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #2A - 1C	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #2B	E	0.4		OP, Tail	Mar - Oct	1, 6
Lateral #3	E	1.0		OP, Tail	Mar - Oct	1, 6
Lateral #3A	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #4	E	1.0		OP, Tail	Mar - Oct	1, 6
Lateral #5	E	1.6		OP, Tail	Mar - Oct	1, 6
Lateral #5A	E	0.4		OP, Tail	Mar - Oct	1, 6
Lateral #6	E	3.4		OP, Tail	Mar - Oct	1, 6, 10
Lateral #6A	E	1.7		OP, Tail	Mar - Oct	1, 6, 10
Lateral #6B	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #6C	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #6D	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #7	E	1.2		OP, Tail	Mar - Oct	1, 6, 10
Lateral #8	E	1.1		OP, Tail	Mar - Oct	1, 6
Lateral #9	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #10	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #11	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #12	E	0.4		OP, Tail	Mar - Oct	1, 6
Lateral #13	E	0.9		OP, Tail	Mar - Oct	1, 6
Lateral #14	E	0.5		OP, Tail	Mar - Oct	1, 6, 10
Lateral #15	E	0.5		OP, Tail	Mar - Oct	1, 6
Butte Water District Drainage District #1						
Lateral #1	E	2.2		OP, Tail	Mar - Oct	1, 6
Lateral #1B	E	0.4		OP, Tail	Mar - Oct	1, 6
Lateral #1C	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #1F	E	0.02		OP, Tail	Mar - Oct	1, 6
Lateral #1G	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #2	E	1.0		OP, Tail	Mar - Oct	1, 6
Lateral #2A	E	0.6		OP, Tail	Mar - Oct	1, 6
Lateral #2C	E	0.4		OP, Tail	Mar - Oct	1, 6
Lateral #2D	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #2G	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #4	E	1.1		OP, Tail	Mar - Oct	1, 6
Lateral #4A	E	0.03		OP, Tail	Mar - Oct	1, 6
Lateral #5	E	0.5		OP, Tail	Mar - Oct	1, 6
Lateral #6	E	1.6		OP, Tail	Mar - Oct	1, 6
Lateral #6A	E	0.2		OP, Tail	Mar - Oct	1, 6
Lateral #6B	E	0.1		OP, Tail	Mar - Oct	1, 6
Lateral #6C	E	0.7		OP, Tail	Mar - Oct	1, 6
Lateral #6C - 1	E	0.3		OP, Tail	Mar - Oct	1, 6
Lateral #6D	E	0.9		OP, Tail	Mar - Oct	1, 6
Lateral #7	E	0.8		OP, Tail	Mar - Oct	1, 6
Lateral #8	E	0.3		OP, Tail	Mar - Oct	1, 6
Campbell's Branch	E	0.8		OP, Tail	Mar - Oct	1, 6

Table 20C-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Auxillary Drain	E	0.8		OP, Tail	Mar - Oct	1, 6
Sutter Extension W.D.						
Reclamation Drain 1	E	7.0		NF, OP, Tail, U	Mar - Oct	1, 6
Interceptor Canal	E	3.5		NF, OP, Tail, U	Mar - Oct	1, 6
Wadsworth Canal	E	2.5		NF, OP, Tail, U	Mar - Oct	1, 6
Feather River W.D.						
Lateral G - 1	E	2.1	1,160	Tail, NF	Apr - Sept	1, 6
Lateral G - 1 - A	E	0.3	160	Tail, NF	Apr - Sept	1, 6
Lateral G - 1 - B	E	0.3	80	Tail, NF	Apr - Sept	1, 6
Lateral G - 1 - C	E	0.3	160	Tail, NF	Apr - Sept	1, 6
Lateral G - 1 - D	E	0.3	130	Tail, NF	Apr - Sept	1, 6
Lateral G - 2	E	2.2	960	Tail, NF	Apr - Sept	1, 6
Lateral G - 2 - A	E	0.1	10	Tail, NF	Apr - Sept	1, 6
Lateral G - 2 - B	E	0.5	240	Tail, NF	Apr - Sept	1, 6
Lateral G - 2 - C	E	0.1	80	Tail, NF	Apr - Sept	1, 6
Lateral G - 2 - D	E	0.2	300	Tail, NF	Apr - Sept	1, 6
Lateral G - 2 - E	E	0.2	160	Tail, NF	Apr - Sept	1, 6
Lateral S - 2	E	1.9	800	Tail, NF	Apr - Sept	1, 6
Lateral S - 1	E	0.5	320	Tail, NF	Apr - Sept	1, 6
Lateral S - 2 - A	E	0.8	363	Tail, NF	Apr - Sept	1, 6
Lateral S - 2 - A1	E	0.3	80	Tail, NF	Apr - Sept	1, 6
Lateral S - 2 - B	E	0.8	200	Tail, NF	Apr - Sept	1, 6
Lateral S - 2 - B1	E	0.3	240	Tail, NF	Apr - Sept	1, 6
Lateral S - 2 - C	E	0.5	130	Tail, NF	Apr - Sept	1, 6
Lateral S - 2 - D	E	0.3	160	Tail, NF	Apr - Sept	1, 6
Lateral M	E	0.8	-	Tail, NF	Apr - Sept	1, 6
Lateral M - 1	E	2.7	180	Tail, NF	Apr - Sept	1, 6
Lateral M - 1 - A	E	0.3	60	Tail, NF	Apr - Sept	1, 6
Lateral M - 1 - A1	E	0.1	20	Tail, NF	Apr - Sept	1, 6
Lateral M - 1 - A2	E	0.1	60	Tail, NF	Apr - Sept	1, 6
Lateral M - 1 - A3	E	0.5	60	Tail, NF	Apr - Sept	1, 6
Lateral M - 1 - A4	E	0.1	40	Tail, NF	Apr - Sept	1, 6
Lateral M - 2	E	1.3	70	Tail, NF	Apr - Sept	1, 6
Lateral M - 2 - A	E	0.4	60	Tail, NF	Apr - Sept	1, 6
Lateral M - 2 - B	E	0.2	40	Tail, NF	Apr - Sept	1, 6
Lateral M - 2 - C	E	0.2	120	Tail, NF	Apr - Sept	1, 6
Lateral M - 2 - D	E	0.1	60	Tail, NF	Apr - Sept	1, 6
Lateral M - 2 - E	E	0.1	250	Tail, NF	Apr - Sept	1, 6
Garden Highway Mutual Water Company						
D1	E	3.2		Tail	Apr - Nov	1, 6
D2	E	1.0		Tail	Apr - Nov	1, 6
D3	E	0.5		Tail	Apr - Nov	1, 6
D4	E	1.0		Tail	Apr - Nov	1, 6
D5	E	1.0		Tail	Apr - Nov	1, 6
D6	E	1.0		Tail	Apr - Nov	1, 6
D7	E	1.7		Tail	Apr - Nov	1, 6
SD1	E	0.5		Tail	Apr - Nov	1, 6
SD2	E	0.5		Tail	Apr - Nov	1, 6
Hamatani Ranch						
Drain A	E	0.9	120	U, Tail, NF	Jan - Oct	1, 6
Drain B	E	0.3	36	U, Tail, NF	Jan - Oct	1, 6
Drain C	E	0.5	36	U, Tail, NF	Jan - Oct	1, 6
Drain D	E	0.6	143	U, Tail, NF	Jan - Oct	1, 6
Drain E	E	0.5	130	U, Tail, NF	Jan - Oct	1, 6
Drain F	E	0.6	143	U, Tail, NF	Jan - Oct	1, 6
Drain G	E	0.9	204	U, Tail, NF	Jan - Oct	1, 6
Drain H	E	2.5	1,005	U, Tail, NF	Jan - Oct	1, 6
Main Drain	E	1.0	290	U, Tail, NF	Jan - Oct	1, 6
Sutter Butte Mutual Water Company						
Plant No. 1 - North Drain	E	10.8		U, Tail, NF	Jan - Dec	1, 6
South Drain	E	0.8		U, Tail, NF	Jan - Dec	1, 6
Plant No. 2 - North Drain	E	17		U, Tail, NF	Jan - Dec	1, 6
South Drain	E	4.3		U, Tail, NF	Jan - Dec	1, 6

TABLE 20C - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 20C

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Butte Water District					
Sutter Butte Main Canal	E	11.0	Feather River	Mar - Oct	
Biggs Ditch Co.	E	3.0	Feather River	Mar - Oct	
Biggs Colony #3	E	2.0	Feather River	Mar - Oct	
Sheppard Ditch	E	0.3	Feather River	Mar - Oct	
Lateral #3	E	1.5	Feather River	Mar - Oct	
Lateral #4	E	5.0	Feather River	Mar - Oct	
Lateral #6	E	1.5	Feather River	Mar - Oct	
Water Users Ditch #1	E	5.0	Feather River	Mar - Oct	
Manzanita Ditch	E	1.0	Feather River	Mar - Oct	
Ownby Ditch	E	0.5	Feather River	Mar - Oct	
Cox Ditch	E	0.5	Feather River	Mar - Oct	
Chandon Lateral (Main)	E	5.7	Feather River	Mar - Oct	
Chandon Lateral (West)	E	0.3	Feather River	Mar - Oct	
Chandon Lateral (East)	E	3.3	Feather River	Mar - Oct	
Chandon Lateral (Middle)	E	5.8	Feather River	Mar - Oct	
Krull Lateral	E	1.0	Feather River	Mar - Oct	
Live Oak Lateral	E	4.3	Feather River	Mar - Oct	
Sunset Lateral	E	2.8	Feather River	Mar - Oct	
Webster Lateral	E	1.0	Feather River	Mar - Oct	
Sutter Extension W.D.					
Farrington Lateral	E	11	Feather River	Mar - Oct	
Moon Lateral	E	1.5	Feather River	Mar - Oct	
Sutter City Lateral	E	2.3	Feather River	Mar - Oct	
Emery Lateral	E	0.8	Feather River	Mar - Oct	
Glover Lateral	E	1.0	Feather River	Mar - Oct	
Catlett Lateral	E	0.5	Feather River	Mar - Oct	
Davis Lateral	E	0.5	Feather River	Mar - Oct	
Joaquin Lateral	E	0.3	Feather River	Mar - Oct	
Snake Lateral	E	1.0	Feather River	Mar - Oct	
Franklin Lateral	E	1.8	Feather River	Mar - Oct	
C Lateral	E	2.3	Feather River	Mar - Oct	
A - 1 - 2 - 3 Lateral	E	3.5	Feather River	Mar - Oct	
Sutter Extension W.D.					
F Lateral	E	3.5	Feather River	Mar - Oct	
F - 1 Lateral	E	1.3	Feather River	Mar - Oct	
F - 1 - 1 Lateral	E	0.5	Feather River	Mar - Oct	
F - 4 Lateral	E	2.0	Feather River	Mar - Oct	
E Lateral	E	4.8	Feather River	Mar - Oct	
EO Lateral	E	3.0	Feather River	Mar - Oct	
E2 Lateral	E	2.3	Feather River	Mar - Oct	
E2 - 1 Lateral	E	0.5	Feather River	Mar - Oct	
E3 Lateral	E	1.1	Feather River	Mar - Oct	
E3 - 2 Lateral	E	1.0	Feather River	Mar - Oct	
E3 - 1 Lateral	E	0.5	Feather River	Mar - Oct	
Feather Water District					
Irrigation Supply Lines	P	51	Feather River	Mar - Oct	
Garden Highway Mutual Water Company					
Canal S1	E	0.4	Feather River	Mar - Oct	
Canal S2	E	2.3	Feather River	Mar - Oct	
Canal S3	E	0.8	Feather River	Mar - Oct	
Canal S4	E	1.4	Feather River	Mar - Oct	
Canal S5	E	0.3	Feather River	Mar - Oct	
Canal S6	E	1.9	Feather River	Mar - Oct	
Canal S7	E	0.9	Feather River	Mar - Oct	
Garden Highway Mutual Water Company					
Canal S8	E	1.0	Feather River	Mar - Oct	
Canal S9	E	0.5	Feather River	Mar - Oct	
Canal SD1	E	0.5	Feather River	Mar - Oct	
Canal SD2	E	0.5	Feather River	Mar - Oct	

TABLE 20C - C3

RECONSTRUCTED NATURAL CHANNELS WITHIN DRAINAGE BASIN 20 C
DOMINATED BY AGRICULTURAL DRAINAGE FLOWS OR AGRICULTURAL SUPPLY FLOWS

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Snake River Drain - North	E	18	U, Tail	Jan - Oct	1, 6, 10
Snake River Drain - South	E	12	U, Tail	Jan - Oct	1, 6, 10
Morrison Slough	E	11	U, Tail	Jan - Oct	1, 6, 10
Live Oak Drain (Slough)					
North Reach	E	4	U, Tail	Feb - Oct	1, 6, 10
Middle Reach	E	10	U, Tail	Jan - Dec	1, 6, 10
South Reach	E	9	U, Tail	Jan - Dec	1, 6, 10
Sutter Bypass					
East Borrow Area	E	30	NF, Tail	Jan - Dec	1, 6
West Borrow Area	E	30	NF, Tail	Jan - Dec	1, 6
Gilsizer Slough (Yuba City to O'Banion Road)	E	11	U, Tail	Jan - Dec	1, 6, 10
Poodle Creek	E	5	Tail	Mar - Oct	1, 6
Little Blue Creek	E	3	NF, OP, Tail	Mar - Oct	1, 6

DRAINAGE BASIN 20D

Drainage Basin 20D is bounded on the east by the western levee of the Sutter Bypass and on the west by the Sacramento River. The Basin consists of two distinct drainage zones, one north and one south of the Tisdale Bypass. The Tisdale Bypass is a distinct barrier constructed between the two zones.

The northern portion is approximately 35,092 acres and covers all or portion of the following water, reclamation and drainage agencies:

Meridian Farm Water Company
Sutter Buttes Mutual Water Company
Reclamation District No. 1660
Reclamation District No. 70
Tisdale Irrigation Company
Butte Slough Irrigation Company
Sutter Mutual Water Company

These seven agencies have authority over water supply and/or drainage within their boundaries. Water in this basin is recycled extensively and discharges only occur when the canals are at capacity. The largest discharges occur from August to September during rice release periods.

The southern portion is 67,850 acres and covers all or portions of the following water, reclamation and drainage agencies:

Pelger Mutual Water Company
Sutter Mutual Water Company
Reclamation District 1500

These three agencies have authority over water supply and/or drainage within their boundaries. Water in this basin is recycled extensively. The main discharge is through the Sacramento Slough at Karnak.

The entire drainage basin is semi-arid in nature. Water supplies and natural flows are highly regulated for agricultural irrigation. The area was a flood basin that was leveed for flood protection in the 1920s. As a result of the levee construction and agricultural development, there are no natural sloughs or water bodies remaining within the leveed area. Because of the flood potential, an extensive system of drains has been constructed.

Due to agricultural development and flood protection, the former Sloughs in the area had no natural flow. Most sloughs were filled in during levelling of the land. Long Lake and a small reach of the Sacramento Slough are the only isolated reaches that remain, but both of these have been extensively reconstructed. The Tisdale Bypass can also be considered an extensively reconstructed channel although it may not follow any older channel alignment.

DRAINAGE BASIN 20D

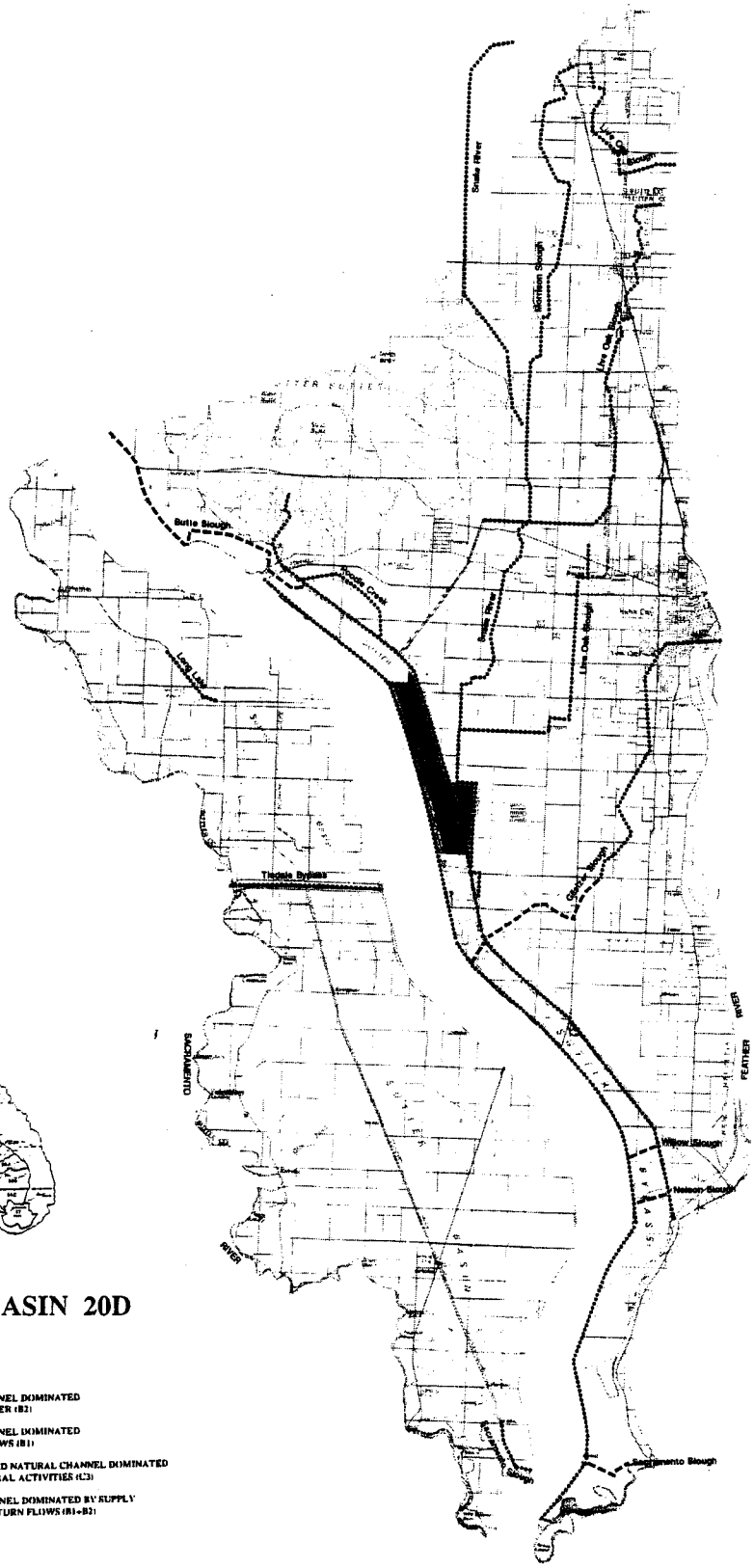
LONG LAKE: Long Lake is an area approximately 2 miles long and 0.1 mile wide that is a part of Reclamation District 70 Main Drain. The Lake has no other natural flow than agricultural supply and drainage water. The Lake was likely part of a more extensive Slough system that flowed in the area but no longer has any natural water flow or connection to another water body. Even though this short reach remains close to its original alignment, reconstruction and periodic maintenance have been done on the Slough. Based on no natural flow, its use as part of a constructed drain for over 50 years, and the periodic reconstruction and maintenance that occur, the Slough will be classified as a C3 water body which includes channels where extensive modifications no longer allow it to function as a natural ephemeral stream.

SACRAMENTO SLOUGH: The Sacramento Slough within the levees of Reclamation District 1500, which form the boundaries of Drainage Basin 20D, has been reconstructed as part of the Reclamation District 1500 Main Drain. Its characteristics are now those of the Main Drain and the only water entering this portion of the Slough is agricultural return flows.

TISDALE BYPASS: The Tisdale Bypass is a distinct barrier between the north and south zones of the drainage basin. The Bypass, although constructed, is part of the Sacramento River flood control network. It was constructed to carry natural flow that would have been carried in other natural channels. As a result of its construction, no natural channel exists nor is there any natural flow other than that which is released into the channel during floods. Outside flood periods, the entire flow in the channel is agricultural return flows that eventually drain into the Sutter Bypass.

These three channels that have been extensively reconstructed and no longer act as a natural channels are listed in Table 20D-C3 as constructed facilities. In addition, constructed agricultural drains and supply canals are listed in Tables 20D-C1 and 20D-C2, respectively.

Monitoring in the basin should emphasize discharges to the Sacramento River and the Tisdale Bypass the two receiving water bodies in this area.



DRAINAGE BASIN 20C

N

NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)

NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)

RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)

NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

DRAINAGE BASIN 20D

N

NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)

NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)

RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)

NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 20D - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 20D

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Reclamation District 70						
Main Drain	E	12.5*	20,280	SW (Sac River)/Tail	Mar-Nov	1, 6
Laterals	E	91*	-	SW (Sac River)/Tail	Mar-Nov	1, 6
Reclamation District 1660						
Main Drain	E	11*	14,812	SW (Sac River)/Tail	Mar-Nov	1, 6
Laterals	E	70*	-	SW (Sac River)/Tail	Mar-Nov	1, 6
Reclamation District 1500						
Main Drain	E	17.6*	67,850	SW (Sac River)/Tail	Feb-Oct	1, 2, 6
Sutter Mutual Water Co.						
Main Canal	E	7.4*		SW (Sac River)/Tail	Feb-Oct	1, 2, 6
West Canal	E	17.2*		SW (Sac River)/Tail	Feb-Oct	1, 2, 6
East Canal	E	13.5*		SW (Sac River)/Tail	Feb-Oct	1, 2, 6
Central Canal	E	8.0*		SW (Sac River)/Tail	Feb-Oct	1, 2, 6

*These are also used as the irrigation supply system, therefore contain a mixture of supply and drainage water

TABLE 20D - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 20D

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Sutter Butte Mutual Water Co.	E	11.7	SW (Bypass), Tail	Mar-Oct	1, 6
Butte Slough Irrigation Co.	E	23**	SW (Bypass), Tail	Mar-Oct	1, 6
Tisdale Irrigation Co.	E	5.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Guisti Farms	E	1.7	SW (Bypass), Tail	Mar-Oct	1, 6
Guisti Farms	C	0.9	SW (Bypass)	Mar-Oct	1, 6
Newhall Land Co.	E	6.3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Meridian Farms Water Co.					
Ditch #1	C	6.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
R.R. Ditch	C	2.8	SW (Sac Riv), Tail	Mar-Oct	1, 6
Ditch #3	E	3.0	SW (Sac Riv), Tail	Mar-Oct	1, 6
Phillipino Ditch	E	2.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Ditch #7	E	3.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Ditch #5	E	3.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Ditch #4	E	3.0	SW (Sac Riv), Tail	Mar-Oct	1, 6
Cemetery Ditch	C/E	0.8	SW (Sac Riv), Tail	Mar-Oct	1, 6
Woods Lateral	E	1.3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Burkhart Ditch	E	1.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Reclamation District 70	E	103.5*	SW (Sac Riv), Tail	Mar-Oct	1, 6
Reclamation District 1660	E	81*	SW (Sac Riv), Tail	Mar-Oct	1, 6
Reclamation District 1500	E	18*	SW (Sac Riv), Tail	Mar-Oct	1, 6
Sutter Mutual WC					
Main Canal	E	6.0	SW (Sac Riv), Tail	Mar-Oct	1, 6
East Canal	E	6.0	SW (Sac Riv), Tail	Mar-Oct	1, 2, 6
West Canal	E	10.3	SW (Sac Riv), Tail	Mar-Oct	1, 2, 6
Central Canal	E	10.7	SW (Sac Riv), Tail	Mar-Oct	1, 2, 6
North Canal	E	2	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-2	E	1.2	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-4	E	2.2	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-6	E	3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-8	E	3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-10	E	2.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-12	E	2	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-14	E	2	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-16	E	0.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral ML-18	E	1	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral 20	E	1.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral A	E	0.4	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral B	E	1.3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral C	E	0.8	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral D	E	0.8	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral F	E	1	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral L	E	3.7	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral P	E	3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral R	E	4.3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral S	E	3	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral T	E	1	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral U	E	1	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral V	E	1	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral W	E	0.6	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral X	E	0.5	SW (Sac Riv), Tail	Mar-Oct	1, 6
Lateral Y	E	0.5	SW (Sac Riv), Tail	Mar-Oct	1, 6

DRAINAGE BASIN 32
EAST OF THE DELTA

Drainage Basin 32 contributes flow directly into the Delta from the East. It is bordered on the north by the Deer Creek watershed and the northern Omochumne-Hartnell Water District boundary. The eastern border includes the irrigated agricultural land to the base of the foothills. It includes the entire Omochumne-Hartnell Water District and the Deer Creek Watershed and extends to the Amador and Calaveras western county lines. The southern boundary is Little Johns Creek and French Camp Slough. The Basin is bordered in the west by the San Joaquin River, the western border of Woodbridge Irrigation District, Snodgrass Slough and the Sacramento River.

The primary rivers in the basin flow from east to west. They are the Cosumnes, Mokelumne, and Calaveras Rivers. Smaller streams include:

Deer Creek	Laguna Creek
Pixley Slough	Bear Creek
Mosher Creek	Mormon Slough
Duck Creek	

The valley floor portion of the basin has been developed for agriculture. Various orchard, row and field crops are grown in the basin. The western portion of the area is dominated by urban influences along Highway 99 and Interstate 5. The cities of Stockton, Lodi and Galt follow these corridors. Much of the agricultural land on these highways is fallow, waiting for urbanization, or is in suburban/country ranchettes.

Agricultural water is supplied either by diversions or ground water. The Folsom-South Canal provides American River water, when available, to the northern part of the basin. Reservoir releases control the flow of water down the Mokelumne and Calaveras Rivers. New Hogan Reservoir is upstream of the basin on the Calaveras River, and Comanche and Pardee Reservoirs are the main reservoirs controlling flow into the Mokelumne River. The Calaveras and Mokelumne Rivers transport water to creeks, sloughs, canals and pipelines which supply irrigation water during the growing season.

Agricultural drains provide return flows into sloughs and creeks in the area. Most of this flow is surface (tail) water return flow. Because of water usage, soil types, geological conditions and other factors, few water bodies in the basin are dominated by agricultural return flows.

The Basin covers all of the following water, irrigation, reclamation and drainage districts from which information on water bodies and agricultural facilities was received:

Omochumne-Hartnell Water District
Galt Irrigation District
North San Joaquin Water Conservation District
Woodbridge Irrigation District
Stockton East Water District

Reclamation District 2074 (Sergeant-Barnhart Tract)
Reclamation District 1614 (Smith Tract)
San Joaquin Flood Control and Water Conservation District

The first five water districts comprise most of the agricultural land in the basin. Of these five, all (except Woodbridge Irrigation District) extend toward the lower Foothill Region.

The southern part of the basin includes the Calaveras River, Mormon Slough, Mosher Slough, Potter Creek and a diverting canal encompasses the primary water supply system within the Stockton East Water District. About 10,000 acres of agricultural land is irrigated along these water bodies. The district supplies about 65,000 acre-feet of water per year. During drought years, ground water supplements surface water supplies.

For the middle part of the basin, the Mokelumne River is the main source of supply water. The North San Joaquin Water Conservation District diverts water into Bear Creek and Pixley Slough to provide water to users in the southern portion of the district. Woodbridge Irrigation District diverts water from the Mokelumne River into constructed canals. Additional water is obtained from Beaver Slough, which is a natural water body dominated by tidal influence and not agricultural water supply. The North San Joaquin W.C.D. and Woodbridge I.D. have no known channels which are dominated by agricultural return flows.

For the northern part of the basin, the primary source of water supply is ground water wells. Surface water from Laguna Creek, Deer Creek, Consumes River and Folsom-South Canal supplements ground water supplies when available. Water is diverted from the Folsom-South Canal into the natural water bodies by Galt Irrigation District and Omochumne-Hartnell Water District (O.H.W.D.).

CATEGORY B1 WATER BODIES

MORMON SLOUGH: This slough receives agricultural tail water from a large portion of irrigated land. Mormon Slough has a larger channel capacity than the Calaveras River. Agricultural drainage is mixed with agricultural supply waters for about 19.3 miles from the Calaveras River to the Diverting Canal. Drainage water dominates this slough throughout the typical growing season which is April through October.

DEER CREEK (O.H.W.D. Eastern Boundary to Highway 99): Deer Creek is a natural stream channel which, except for tail water, would flow only intermittently. Deer Creek flows within the Omochumne-Hartnell Water District when agricultural tail water is available during the irrigation season of May through September. Deer Creek runs for about 15 miles. Tail water return flows begin in the district, but does not flow beyond the Highway 99 Bridge.

CATEGORY B2 WATER BODIES

MOSHER CREEK (Calaveras River to Interstate-5): Mosher Creek headwaters are just above the valley floor. The creek has a small watershed and runs only part of the year under natural conditions. Since a short ditch was built connecting it to the Calaveras River, it is dominated by supply water during the growing season (about April through October). This supply water is released for agriculture and other purposes from New Hogan Reservoir into the Calaveras River. These supply waters are typically used within the Stockton East Water District for about 19.3 miles to Highway 99. Below Highway 99, the Woodbridge Irrigation District uses this creek to transport irrigation water to pump stations. However, this portion of the slough is channelized and is influenced heavily by urban influences and not agriculture.

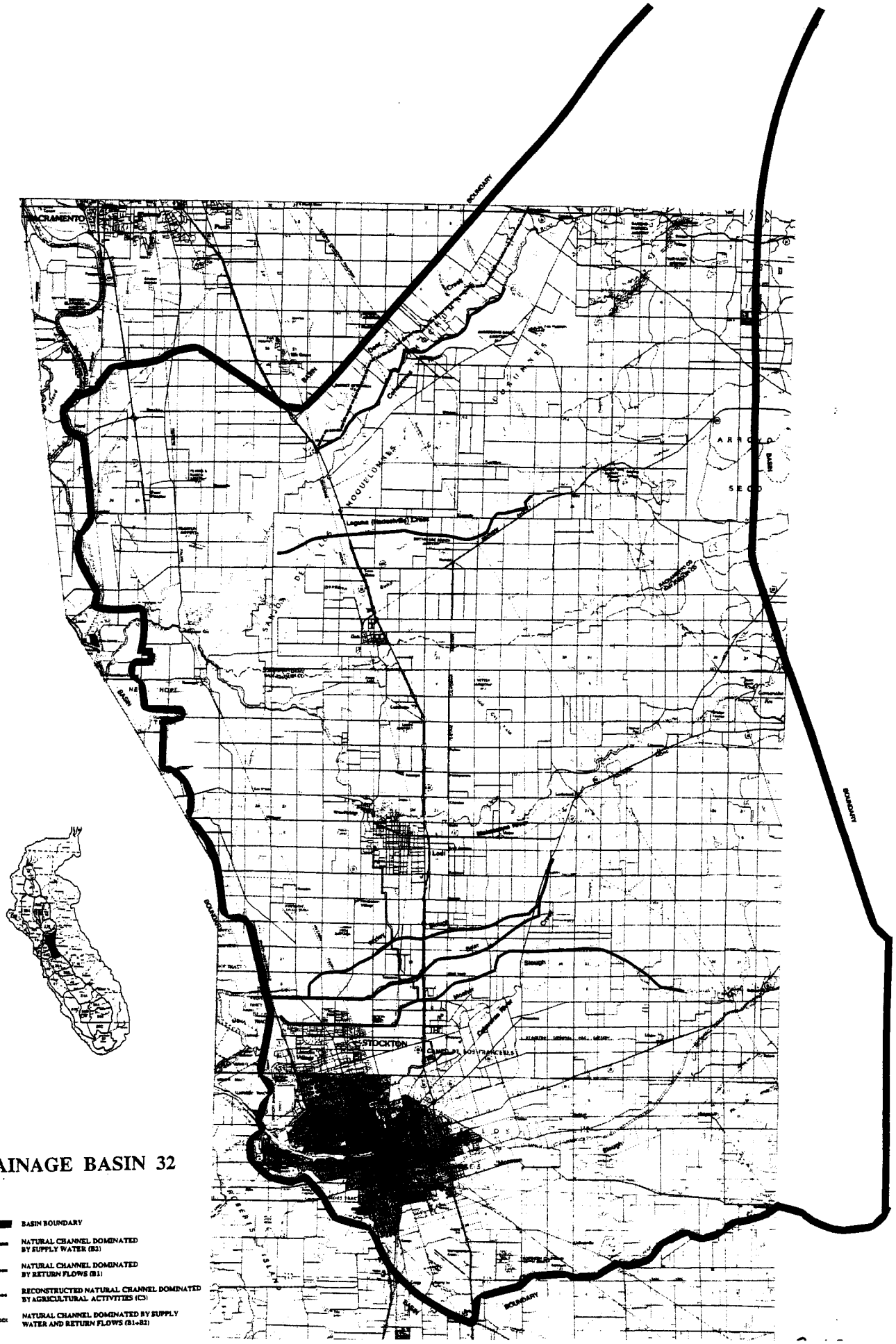
MORMON SLOUGH: This slough has a channel that has been modified to carry water from the Calaveras River for flood control and agricultural supply. Except when water is diverted from upstream reservoir releases, this water body would be dry for most of the year. As needed, the slough is used to supply water for irrigation from April through October. Agricultural supply waters dominate the slough for this period for about 19.3 miles until they are returned by canal into the Calaveras River.

BEAR CREEK (Main Ditch to Interstate-5): The headwater of Bear Creek extends to the foothills. Under natural conditions, it would flow only part of the year. Supply waters which are released from upstream reservoirs are diverted from the Mokelumne River in the North San Joaquin W.C.D. This water supplies agriculture in the district. Operational spill water contributes its flow until it reaches the Delta tidal influence at Interstate-5. The total distance is about 13.6 miles. It has been channeled in a number of locations.

PIXLEY SLOUGH: This slough originates at Bear Creek and carries supply water from Bear Creek to agricultural land in the North San Joaquin W.C.D. It carries agricultural supply water until it is diverted back into Bear Creek, north of Stockton. The total length of the slough is about 9.7 miles. The period that agricultural supply water dominates the flow in Pixley Slough is during the growing season from April through October.

LAGUNA-HADSELVILLE CREEK: Laguna Creek is a natural stream channel which ceases to flow annually from April until the first major storm in the fall without water diversions. Water is diverted from the Folsom-South Canal by Galt Irrigation District and diverted into Hadselville Creek which is tributary to Laguna Creek. Water is also directly diverted into Laguna Creek. Agricultural supply water dominates the channel from April through September for about 10.8 miles until it drains into a shallow wet area lake bed.

COSUMNES RIVER (Folsom-South Canal to Highway 99): The Cosumnes River is a natural stream which ceases to flow during summer months from July until the first major storm in the fall unless water is diverted to it. Water is diverted, when available, from the Folsom-South Canal by the Omochumne-Hartnell Water District. The channel, for about 10.5 miles, is dominated by agricultural supply water when water is diverted from the Folsom-South Canal from April through September.



DRAINAGE BASIN 32

BASIN BOUNDARY

NATURAL CHANNEL DOMINATED BY SUPPLY WATER (S2)

NATURAL CHANNEL DOMINATED BY RETURN FLOWS (S1)

RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)

NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (S1+S2)

TABLE 32-B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 32 DOMINATED BY AGRICULTURAL DRAINAGE

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Stockton East W.D.						
Mormon Slough*		13.4		Tail, WW	Apr - Oct	
Omochumne-Hartnell W.D.						
Deer Creek		15.0		Tail	May - Sept	

* Also included as a natural channel

TABLE 32-B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 32 DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Stockton East W.D.						
Mosher Slough*		19.3		SW (Calaveras Riv), WW	Apr - Oct	
Mormon Slough*		13.4		SW (Calaveras Riv), WW	Apr - Oct	
N. San Joaquin Water Conservation District and Woodbridge I.D.						
Pixley Slough		9.7		SW (Mokelumne R.)	Apr - Oct	
Bear Creek		13.6		SW (Mokelumne R.)	Apr - Oct	
Galt Irrigation District						
Laguna (Hadelville) Creeks		10.8		Folsom So. Canal	Apr - Sept	
Omuchumne-Hartnell W.D.						
Consumnes River		10.5		Folsom So. Canal	Apr - Sept	

* Also contain small amounts of return flows.

TABLE 32-C1

CONSTRUCTED DRAINS WITHIN DRAINAGE BASIN 32

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Galt ID						
Private Drainage Canals	E		34000	Tail	Apr - Sep	
North San Joaquin WCD						
No Surface or Subsurface Drainage System						
RD 2074						
Drainage Canal	E	0.4	228	Tail		
Omochumne-Hartnell WD						
No Surface Drainage System						
Woodbridge ID						
Privately owned Drainage canals	E			Tail		

TABLE 32-C2

CONSTRUCTED SUPPLY CHANNELS WITHIN DRAINAGE BASIN 32

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Galt ID					
21 private diversions	E		Laguna Ck, Folsom S. Canal, GW	Apr - Sep	
North San Joaquin WCD					
Tretheway Pump	P	6.0	Mokelumne River		
	E	1.5	Mokelumne River		
Acampo Road System	P	5.0	Mokelumne River		
Stockton East WD					
Diverting Canal*	E	5.1	Calaveras River, Cooling Waters, GW	Apr - Oct	
Potter Creek**	E	5.1	Calaveras River	Apr - Oct	
Ochumne-Hartnell WD					
26 diversion points			Cosumnes River		
2 diversion points			Folsom-South Canal		
Woodbridge ID					
Northwest Main	C	1.0	Mokelumne,Beaver S	Mar - Oct	1
Northwest Main	C	10.6	Mokelumne,Beaver S	Mar - Oct	1
Nelson Lateral	E	1.0	Mokelumne River	Mar - Oct	1
Kane Lateral	C	0.5	Mokelumne River	Mar - Oct	1
Kane Lateral	E	1.1	Mokelumne River	Mar - Oct	1
Thompson Lateral	E	1.1	Mokelumne River	Mar - Oct	1
Turner Lateral	E	0.4	Mokelumne River	Mar - Oct	1
Brack Lateral	C	2.0	Mokelumne River	Mar - Oct	1
Brack Lateral	E	0.5	Mokelumne River	Mar - Oct	1
Fuhrman Lateral	E	0.2	Mokelumne River	Mar - Oct	1
Thompson- Folger Lateral	E	0.6	Mokelumne River	Mar - Oct	1
Whitter Lateral	E	2.8	Mokelumne River	Mar - Oct	1
Houskens Lateral	E	1.0	Mokelumne,Beaver S	Mar - Oct	1
Vail Lateral	C	0.5	Mokelumne,Beaver S	Mar - Oct	1
Vail Lateral	E	0.5	Mokelumne,Beaver S	Mar - Oct	1
Blossom Lateral	C	0.5	Mokelumne,Beaver S	Mar - Oct	1
Blossom Lateral	E	1.2	Mokelumne,Beaver S	Mar - Oct	1
Goldman Lateral	C	1.0	Mokelumne,Beaver S	Mar - Oct	1
South Main	E	12.6	Mokelumne	Mar - Oct	1
Weber Lateral	E	0.4	Mokelumne	Mar - Oct	1
State Farm Lateral	E	1.3	Mokelumne	Mar - Oct	1
Davis - Dolan Lateral	E	2.6	Mokelumne	Mar - Oct	1
Peters Castle Lateral	E	3.2	Mokelumne	Mar - Oct	1
Alpine-Turner Lateral	E	0.5	Mokelumne	Mar - Oct	1
Johnson Lateral	E	0.7	Mokelumne	Mar - Oct	1
Morse-Williams Lateral	E	4.2	Mokelumne	Mar - Oct	1
Fillipini Lateral	E	0.5	Mokelumne	Mar - Oct	1
Fink-Bohner Lateral	E	0.6	Mokelumne	Mar - Oct	1
Wilkerson Lateral	E	4.8	Mokelumne	Mar - Oct	1
Earle-Emde West Lateral	C	0.5	Mokelumne	Mar - Oct	1
Earle-Emde West Lateral	E	0.7	Mokelumne	Mar - Oct	1
Earle-Emde East Lateral	C	0.6	Mokelumne	Mar - Oct	1
Earle-Emde East Lateral	E	1.0	Mokelumne	Mar - Oct	1
West Main	C	2.0	Mokelumne	Mar - Oct	1
West Main	E	3.5	Mokelumne	Mar - Oct	1
Jones-Spenker Lateral	E	2.2	Mokelumne	Mar - Oct	1
Sargent Lateral	C	4.3	Mokelumne	Mar - Oct	1
Sargent Lateral	E	0.3	Mokelumne	Mar - Oct	1
Villinger Lateral	E	2.0	Mokelumne	Mar - Oct	1
Kelly Lateral	E	1.3	Mokelumne	Mar - Oct	1
Potter Lateral	E	1.3	Mokelumne	Mar - Oct	1
Coldani Lateral	E	0.9	Mokelumne	Mar - Oct	1
Herrick Lateral	E	1.0	Mokelumne	Mar - Oct	1
Posey Lateral	C	1.0	Mokelumne	Mar - Oct	1
Posey Lateral	E	0.5	Mokelumne	Mar - Oct	1

* Also used for Tail Water

**Also contains small amounts of return flows.

DRAINAGE BASIN 35A

Drainage Basin 35A consists of the valley floor along the east side of the San Joaquin River from LittleJohns Creek in the north to the Merced River in the south. Information on water bodies and agricultural facilities was received by:

Modesto Irrigation District
Turlock Irrigation District
McMullin Reclamation District #2075
Oakdale Irrigation District
South San Joaquin Irrigation District
Reclamation District 17

These agencies, representing approximately 460,000 acres, and most of the area under agricultural production within the drainage basin, have authority over water supply and drainage within their boundaries. Drainage Basin 35A is semi-arid in nature. Most streams are ephemeral, originating in the Sierra Foothills and carrying flood flows west toward the San Joaquin River. Remnants of overflow channels and sloughs also occur along the San Joaquin River. Four perennial rivers exist within and border this basin. These rivers include the Stanislaus, Tuolumne, Merced and San Joaquin Rivers.

The western portion of the basin has been extensively developed for agriculture. The major rivers have been dammed to provide regulated releases for irrigation, as well as other downstream beneficial uses. An extensive network of canals and drains has been constructed to facilitate the movement of water through the area. The facilities in the northeast portion of the basin were constructed along the ridges and swales of the rolling terrain before the relatively flat terrain of the valley floor near the San Joaquin River. These channels carry flood flows in the winter and agricultural flows during the spring, summer, and fall.

Many of the agricultural supply canals also serve as drainage facilities so that as the water moves downstream, it is diverted for reuse before final discharge into the San Joaquin River. Many of the downstream reaches of natural channels which would have been dry during the irrigation season have also been reconstructed and realigned to encourage this reuse.

Based on information from the above agencies, Basin 35A contains seven natural streams which are dominated by agricultural supply or return flows from March through November. The natural streams include:

Simmons Creek
Lone Tree Creek
LittleJohns Creek
French Camp Slough
Dry Creek
Lesnini Creek
Walthall Slough

Reaches of the natural channels which are dominated by agricultural activities are listed in Tables 35A-B1 and 35A-B2. Reaches of the channels which have been extensively reconstructed are listed in Table 35A-C3. All of these water bodies are described in more detail below. In addition, constructed agricultural drains and supply canals are listed in Tables 35A-C1 and 35A-C2, respectively.

DRAINAGE BASIN 35A

CATEGORY B1 WATER BODIES

LONE TREE CREEK: A 20 mile natural channel originating south of Woodward Reservoir, this ephemeral stream carries natural runoff for four months of the year in a westerly direction until its confluence with French Camp Slough and ultimate discharge into the San Joaquin River. Between March and November, flows in the creek are dominated by agricultural return flow beginning south of Woodward and continuing to French Camp Slough. Water is recaptured for irrigation as it moves downstream.

FRENCH CAMP SLOUGH: This slough originates at the confluence of LittleJohns Creek and Lone Tree Creek and continues three miles until its discharge into the San Joaquin River. From March through November, flows in this natural channel are dominated by agricultural return flows which include tailwater and operational spills. During the remainder of the year, the channel carries storm runoff from both municipal as well as rural areas.

WALTHALL SLOUGH: A natural five-mile channel, this Slough discharges to the San Joaquin River 12 miles upstream of the City of Stockton. The Slough is dominated by agricultural return flows, both tailwater and operational spills, between March and November. During the irrigation season, most drainage is subsequently repumped into constructed agricultural supply canals and pipe before outflows reach the river. During major storms, some dairy and storm runoff may reach the Slough.

LITTLEJOHNS CREEK (From North Main Canal to the Farmington Flood Control Basin): This approximately 13-mile reach of LittleJohns Creek receives both agricultural tailwater, as well as supply water. Tailwater dominates the channel along the four and a half mile section upstream of Frankenheimer Ditch. Downstream of the ditch, either water type may dominate.

DRY CREEK: Dry Creek is an ephemeral stream originating in the Sierra Foothills and transporting no natural flow between April and November. This creek has carried tremendous winter flood flows in the past as has been extensively rechannelized and leveed along its lower 12-mile reach as it passes through the City of Modesto before discharging to the Tuolumne River. The 17 mile reach between Crabtree Road and Wellsford Road receives a combination of tailwater and operational spills during the irrigation season. Water does not continue in the channel downstream of Wellsford Road. The decline is due to a combination of sand lenses, allowing water to quickly filter to the ground water table, and extensive ground water pumping by the City of Modesto which prevents any use in the water table. Downstream of Wellsford Road, the creekbed has been planted in orchards and is utilized as a community park by the City of Modesto.

DRAINAGE BASIN 35A

LESNINI CREEK: A small ephemeral stream, Lesnini Creek had most natural flows cut off with the construction of Rodden Lake. Water from the Lake is diverted to both the North Main Canal and Cape Horn Lateral, leaving the downstream creekbed dry except for intermittent operational spills and agricultural drainage.

CATEGORY B2 WATER BODIES

LITTLEJOHNS CREEK (Between Goodwin Dam and the North Main Canal): A natural ephemeral stream, LittleJohns Creek originates in the Sierra Nevada Foothills and flows in an westerly direction till its confluence with French Camp Slough and eventual discharge to the San Joaquin River upstream of the City of Stockton. Since the 1930's, excess storm runoff from the upper reaches of the creek have been contained in the Farmington Flood Control Basin. Runoff then continues down the channel for approximately four months of the year. From March through November, irrigation supply flows from the Stanislaus River are diverted to the channel at the Goodwin Dam. These supply flows are carried 1.5 miles in the natural channel before diversion into the North Main Canal for agricultural irrigation. Downstream of the North Main Canal, the channel receives a mixture of supply and drainage, and year-round stock watering rights exist.

SIMMONS CREEK: This natural, ephemeral stream normally carries storm runoff for four months of the year in its five-mile channel between LittleJohns Creek and Woodward Reservoir. Between March and November, irrigation supply is diverted into the stream northwest of Woodward Reservoir. The channel carries both agricultural supply and drainage but is normally dominated by supply.

CATEGORY C3 WATER BODIES

LITTLEJOHNS CREEK (Downstream of the Farmington Flood Control Basin): Downstream of the Farmington Flood Control Basin, LittleJohns Creek has been reconstructed and realigned to facilitate the recapture of agricultural tailwater for reuse as irrigation supply water. A series of concrete weirs have been installed which allow pumping of water from the normally shallow channel.

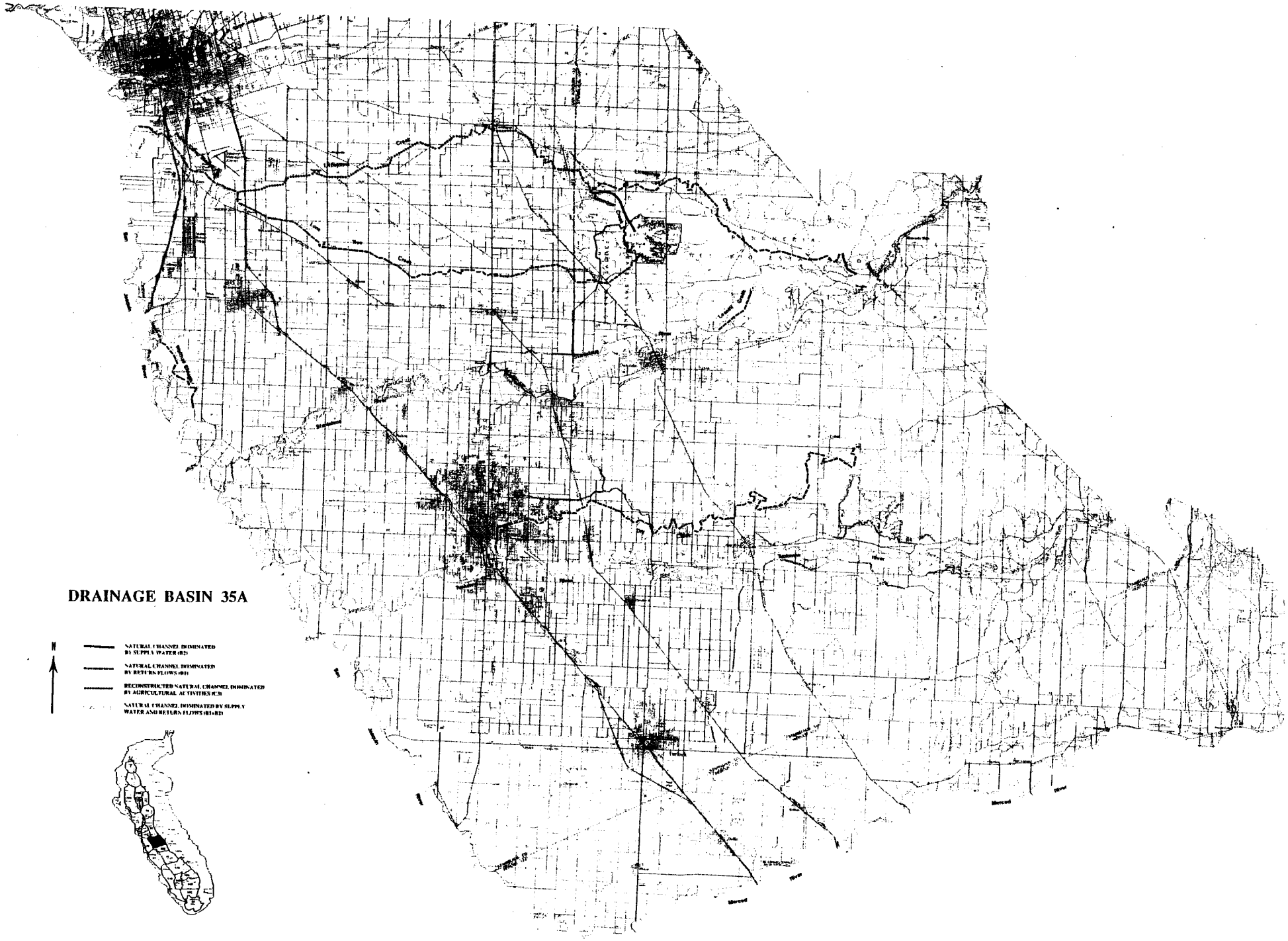

DRAINAGE BASIN 35A
N
NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)
NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)
RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)
NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 35A - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 35A
DOMINATED BY AGRICULTURAL RETURN FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Walthall Slough	5		Tail	Mar-Nov	
Lone Tree Creek	29		Tail, OP	Mar-Nov	
French Camp Slough	6.5		Tail, OP	Mar-Nov	
Dry Creek (Between Modesto Reservior and the RR)	17		Tail, *SR	Apr-Nov	
Littlejohns Creek (From N. Main Canal to Farmington Flood Control Basin)	13		Tail, SR	Mar-Nov	
Lesmini Creek	7		Tail, OP	Mar-Nov	

*Stanislaus River

TABLE 35A - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 35A
DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Littlejohns Creek (Between Goodwin Dam and N. Main Canal)	1.5		*SR	Mar-Nov	
Simmons Creek	5		SR	Mar-Nov	

*Stanislaus River

TABLE 35A - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 35A

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Oakdale ID						
Adams Creek	E	2.5		Tail, NF	Mar - Oct	
Albers	E	2.4		Tail, NF	Mar - Oct	9
Angel	E	4.4		SW, Tail, NF	Mar - Oct	
Atlas	E	1.5		Tail, NF	Mar - Oct	9
Bancroft	E	0.7		Tail, NF	Mar - Oct	
Becker	E	0.5		Tail, NF	Mar - Oct	
Bentley	E	0.4		Tail, NF	Mar - Oct	
Beverage	E	0.7		Tail, NF	Mar - Oct	
Bjorge	E	0.4		Tail, NF	Mar - Oct	
Boardman	E	1.1		Tail, NF	Mar - Oct	
Brichetto	E	0.2		Tail, NF	Mar - Oct	
Brocco	E	0.1		Tail, NF	Mar - Oct	
Campbell	E	0.9		Tail, NF	Mar - Oct	
Carmichel	E	0.3		Tail, NF	Mar - Oct	
Cavill	E	5.4		Tail, NF	Mar - Oct	
Chappel	E	3.2		Tail, NF	Mar - Oct	
Claribel	E	2.1		Tail, NF	Mar - Oct	
Cleveland	E	0.9		Tail, NF	Mar - Oct	
Collins	E	0.2		Tail, NF	Mar - Oct	
Cometa	E	2.8		Tail, NF	Mar - Oct	
Cortese	E	0.4		Tail, NF	Mar - Oct	
Coulter	E	0.6		Tail, NF	Mar - Oct	
Crane	E	1.6		Tail, NF	Mar - Oct	9
DeBoer	E	0.5		Tail, NF	Mar - Oct	
Diamond	E	0.4		Tail, NF	Mar - Oct	9
Dorsey	E	0.1		Tail, NF	Mar - Oct	9
Dow	E	0.6		Tail, NF	Mar - Oct	9
Droge	EP	0.5		Tail, NF	Mar - Oct	
Edwards	EP	0.8		Tail, NF	Mar - Oct	
Fairbanks	E	0.9		Tail, NF	Mar - Oct	
Finney	E	0.8		Tail, NF	Mar - Oct	
Frazier	E	1.0		Tail, NF	Mar - Oct	9
Griffen	E	0.8		Tail, NF	Mar - Oct	
Grohl	E	0.4		Tail, NF	Mar - Oct	
Harder	E	1.5		Tail, NF	Mar - Oct	
Hanford	E	1.7		Tail, NF	Mar - Oct	
Hinds	E	2.2		Tail, NF	Mar - Oct	9
Huffman	E	1.4		Tail, NF	Mar - Oct	
James	E	0.3		Tail, NF	Mar - Oct	
Jenks	E	0.4		Tail, NF	Mar - Oct	
Jones	E	1.1		Tail, NF	Mar - Oct	
Johnson	E	0.3		Tail, NF	Mar - Oct	
Kearney	E	1.7		Tail, NF	Mar - Oct	9
Keeley	E	0.8		Tail, NF	Mar - Oct	
Kemper	E	0.5		Tail, NF	Mar - Oct	
Kuhn	E	4.2		SW, Tail, NF	Mar - Oct	9
Lambuth	E	2.0		Tail, NF	Mar - Oct	9
Langstroth	E	1.7		Tail, NF	Mar - Oct	
Langworth	E	0.5		Tail, NF	Mar - Oct	
Laughlin	E	4.9		Tail, NF	Mar - Oct	9
Lone Tree	E	4.9		Tail, NF	Mar - Oct	
Martin	E	0.1		Tail, NF	Mar - Oct	9
Merrihew	E	0.6		Tail, NF	Mar - Oct	
Miller	E	0.2		Tail, NF	Mar - Oct	
Milnes	E	2.7		Tail, NF	Mar - Oct	9
Modesto	E	0.2		Tail, NF	Mar - Oct	9
Monk	E	3.9		Tail, NF	Mar - Oct	
Mootz	E	3.9		Tail, NF	Mar - Oct	
Morrison	E	0.5		Tail, NF	Mar - Oct	9
Moulton Pond	E	1.6		Tail, NF	Mar - Oct	
McGarva	E	0.2		Tail, NF	Mar - Oct	
McGee	E	0.3		Tail, NF	Mar - Oct	
Nielsen	E	2.2		Tail, NF	Mar - Oct	9
Old Oakdale	E	0.3		Tail, NF	Mar - Oct	
Old Tulloch	E	0.9		Tail, NF	Mar - Oct	
Olivera	E	0.2		Tail, NF	Mar - Oct	
Oonk	E	0.3		Tail, NF	Mar - Oct	9
Orange Blossom	E	0.2		Tail, NF	Mar - Oct	

Table 35A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Oakdale ID, cont'd						
Palmer	E	4.5		Tail, NF	Mar - Oct	9
Patterson	E	0.5		Tail, NF	Mar - Oct	
Twerr	E	0.1		Tail, NF	Mar - Oct	
Pickering	E	0.8		Tail, NF	Mar - Oct	
Potts	E	0.7		Tail, NF	Mar - Oct	
Rainbow Fields	E	0.2		Tail, NF	Mar - Oct	
Rainey	E	0.4		Tail, NF	Mar - Oct	
Rice	E	0.8		Tail, NF	Mar - Oct	
Riverbank	E	0.6		Tail, NF	Mar - Oct	
Root	E	1.2		Tail, NF	Mar - Oct	
Sawyer	E	1.4		Tail, NF	Mar - Oct	
Snedigar	E	0.5		Tail, NF	Mar - Oct	
Stelk	E	1.0		Tail, NF	Mar - Oct	
Stender	E	0.9		Tail, NF	Mar - Oct	
Thompson Pond	E	1.1		Tail, NF	Mar - Oct	
Streicker	E	1.0		Tail, NF	Mar - Oct	
Taro	E	0.4		Tail, NF	Mar - Oct	
Thornton	E	0.5		Tail, NF	Mar - Oct	
Tulloch	E	1.3		Tail, NF	Mar - Oct	
Union	E	3.5		Tail, NF	Mar - Oct	
Valk	E	0.8		Tail, NF	Mar - Oct	
Valley Home	E	0.6		Tail, NF	Mar - Oct	
Wedegaeroner	E	0.6		Tail, NF	Mar - Oct	
Workman	E	0.3		Tail, NF	Mar - Oct	
Yost	E	0.4		Tail, NF	Mar - Oct	
McMullin RD						
RD2075-1	EP	0.8		Tail	Mar - Oct	
RD2075-2	E	0.5		Tail	Mar - Oct	
RD2075-3	PE	1.0		Tail	Mar - Oct	
RD2075-4	E	1.0		Tail	Mar - Oct	
RD2075-5	PE	2.0		Tail	Mar - Oct	
RD2075-6	EP	2.0		Tail	Mar - Oct	
RD2075-7	E	0.3		Tail	Mar - Oct	
RD2075-8	E	1.3		Tail	Mar - Oct	
RD2075-9	E	1.5		Tail	Mar - Oct	
RD2075-10	E	0.3		Tail	Mar - Oct	
Modesto ID						
MID Main	PE	14.0		Tail, NF	Mar - Nov	6, 7, 9, 10
Jacobson	PE	5.0		Tail	Mar - Nov	6, 10
Spenker Spill	C, P	0.2		Tail, OP	Jan -Dec	6, 7, 9
Turlock ID						
Warner	E	0.8	400	Tail	Nov - Mar	
Baggs	E	1.0	325	Tail	Nov - Mar	
Hickman No. 1	E	1.5	700	Tail	Nov - Mar	
Hickman No. 2	E	2.0	750	Tail	Nov - Mar	
Westport	EC	8.0	2480	Tail, Tile	Mar - Oct	
McCabe-Hatch	EP	1.9	640	Tail	Mar - Oct	
Levee	E	2.6	2805	Tail	Mar - Oct	
Lateral 5 Drain	E	5.2	4250	U, WW, Tail, Tile, OP	Mar - Oct	2, 9, 10
Lower Lateral 2 1/2	E	0.5		Tail, OP	Mar - Oct	
Lower Lateral 4	E	1.4		Tail, OP	Mar - Oct	
Lower Lateral 4 1/2	E	0.3		Tail, OP	Mar - Oct	
Lower Lateral 5 1/2 Upper Spill	E	0.4		Tail, OP	Mar - Oct	
Prairie Flower	E	1.5		OP	Mar - Oct	
Lateral 6	E	1.3		Tail, Tile, OP	Mar - Oct	
Lateral 7	E	1.3		Tail, Tile, OP	Mar - Oct	
East Stadtler, ID D1	EP	4.0	936	Tail	Mar - Oct	
Mollard, ID D2, D17, D18, D41	EP	4.9	1866	Tail	Mar - Oct	
Clifford, ID D4	EP	0.9	159	Tail	Mar - Oct	
Hall, ID D5	EP	0.3	53	Tail	Mar - Oct	
Persson, ID D6, D30	E	2.6	656	Tail	Mar - Oct	
Muller, ID D7	E	1.5	368	Tail	Mar - Oct	
Johnson, ID D9	EP	4.1	1197	Tail	Mar - Oct	2, 9
Kephart, ID D10	EP	2.4	397	Tail	Mar - Oct	
Woods, ID D11	E	3.3	1421	Tail	Mar - Oct	
Baltz, ID D12	E	0.4	83	Tail	Mar - Oct	
Stone, ID D13	CP	0.8	216	Tail	Mar - Oct	
Flores, ID D14	EP	0.5	36	Tail	Mar - Oct	
Avila, ID D15	E	1.3	487	Tail	Mar - Oct	
Boone, ID D16	P	1.8	117	Tail	Mar - Oct	
Yori Grove, ID D19	EP	2.7	954	Tail	Mar - Oct	

Table 35A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Turlock ID, cont'd						
Dahlquist, ID D20	EP	0.9	162	Tail	Mar - Oct	
Bryneteson, ID D24	EP	1.4	421	Tail	Mar - Oct	
Stilwell, ID D25	CP	0.1	27	Tail	Mar - Oct	
Wassum, ID D34	CP	0.5	1537	Tail	Mar - Oct	
Steenstrip, ID D35			304	Tail	Mar - Oct	
Alhem-Erlandson, ID D36	CP	0.3	124	Tail	Mar - Oct	
Western States, ID D45	CP	1.5	325	Tail	Mar - Oct	
Prairie Flower, ID D46	E	1.7	2715	Tail	Mar - Oct	2, 9
Hilmar, ID D49	EP	1.0	1315	Tail	Mar - Oct	
Ables, ID D54	EP	1.8	1404	Tail	Mar - Oct	2, 9
Rapp, ID 251	EP	0.9	173	Tail	Mar - Oct	
Wendler, ID 619	CP	0.3	33	Tail	Mar - Oct	
Prairie Flower, ID 732	CP	0.9	207	Tail	Mar - Oct	2, 9
Dawson Lake Spill	E	1.5		OP	Nov - Mar	
Hickman Spill	E	0.4		OP	Mar - Oct	
Faith Home Spill	E	0.3		OP	Mar - Oct	
Lateral 1 Spill	E	0.2		OP	Mar - Oct	
Highline Spill	E	0.3		OP	Mar - Oct	
Lateral 4 1/2	P	1.5		Tail	Mar - Oct	
South San Joaquin ID						
Campbell Drain	E	3.0	1800	Tail, U	Jan - Dec	
Drain 20	E	2.3	1200	Tail	Mar - Nov	
Barton Drain	E	0.8	200	Tail	Not Used	
Hall Drain	E	2.3	500	Tail	Mar - Nov	
Escalon Spillway	C	0.3	25000	OP	Mar - Nov	
Ripon Spillway	C	0.7		OP	Mar - Nov	
Drain 15	E	1.8	300	Tail	Mar - Nov	
Drain 17	E	1.5	300	Tail	Mar - Nov	
Drain 14	PE	3.3	20000	Tail, U	Jan - Jan	
Drain 13	P	3.5	5000	Tail	Mar - Nov	
Drain 12	E	0.8	8000	Tail	Mar - Nov	
FCOC	E	7.5	40000	Tail, U	All Year	
Drain 3	E	5.0	1500	Tail, U	All Year	
Drain 3A	E	2.0	900	Tail, U	All Year	
Drain 3AA	E	0.3		Tail, U	All Year	
Drain 4	P	4.5	900	Tail, U	All Year	Oil
Drain 5	P	3.3	900	Tail, U	Mar - Nov	Oil
Drain 7	E	1.0	400	Tail	Mar - Nov	
Drain 8	E	2.0	400	Tail	Mar - Nov	
Drain 8A	P	0.8	300	Tail	Mar - Nov	
Drain 9	E	0.5	100	Tail	Mar - Nov	
Drain 10	E	0.5	300	Tail	Mar - Nov	
Drain 11	E	4.0	1000	Tail	Mar - Nov	
Drain 11A	E	1.0	40	Tail	Mar - Nov	
Drain 11B	E	1.5	200	Tail	Mar - Nov	
Drain 18	E	1.5	200	Tail	Mar - Nov	
Drain 18A	E	0.8	400	Tail	Mar - Nov	
Pipe U	P	0.3		OP, U	Mar - Nov	
Pipe V	P			OP, U	Mar - Nov	
MDC	ED	18.0		Tail, GW, NF, U	Mar - Nov	6, 9
A Lines	P	11.5	2000	Tail, NF, U	Mar - Nov	6, 9
A - 170	P	6.5	1500	Tail, NF, U	Mar - Nov	6, 9, 10
B Lines	P	31.0	7000	GW	Mar - Nov	6, 9
C Lines	P	3.5	300	Tail, NF, U	Mar - Nov	6, 9
D Lines	P	3.5	300	Tail, NF, U	Mar - Nov	6, 9
E Lines	P	2.5	200	Tail, NF, U	Mar - Nov	6
H Lines	P	5.0	1500	Tail, GW, NF, U	Mar - Nov	6, 9
I Lines	P	5.0	200	Tail, GW, NF, U	Mar - Nov	6, 9
K Lines	P	8.0	1500	Tail, GW, NF, U	Mar - Nov	6, 9, 10
KA Lines	P	18.0	3000	Tail, NF, U	Mar - Nov	6
P Lines	P	5.0	1400	GW, NF, U	Mar - Nov	6, 9, 10
Q Lines	CP	40.0	8000	Tail, GW, NF, U	Mar - Nov	6, 9, 10
R Lines	CP	49.5	8000	Tail, GW, NF, U	Mar - Nov	6, 9
S Lines	P	2.0	300	Tail, GW, NF	Mar - Nov	6, 9, 10
T Lines	CP	28.0	6000	GW, NF, U	Mar - Nov	6
TA Lines	P	7.0	1500	GW	Mar - Nov	6, 10
U Lines	CP	10.8	500	Tail, GW, NF, U	Mar - Nov	6, 9, 10
V Lines	CP	28.3	1500	Tail, GW, NF, U	Mar - Nov	6, 9, 10
W Lines	P	30.3	5000	GW, NF, U	Mar - Nov	6, 9
X Lines	P	6.0	1500	GW	Mar - Nov	6, 10
Z Lines	CP	13.0	2000	Tail, GW, NF, U	Mar - Nov	6, 10
Y Lines	P	5.0	1500	GW, NF, U	Mar - Nov	6, 10

TABLE 35A - C2

CONSTRUCTED AGRICULTURAL SUPPLY CANALS WITHIN DRAINAGE BASIN 35A

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Oakdale ID					
Upper South	E, C	9.9	*SR, OP	Mar - Oct	
Lower South	E, C	11.2	SR, OP	Mar - Oct	
Paulsell	E, C, P	10.1	SR, OP	Mar - Oct	
Gray	P	3.0	SR, OP	Mar - Oct	
Oakdale	P	0.8	SR, OP	Mar - Oct	
Clavey	P	2.5	SR	Mar - Oct	
East Clavey	P	0.3	SR	Mar - Oct	
East Pump	P	1.1	SR	Mar - Oct	
West Pump (Clavey)	P	0.8	SR	Mar - Oct	
Dixon	E, C, P	1.7	SR	Mar - Oct	
Dixon Branch	E, C, P	0.3	SR	Mar - Oct	
Adams-1	P	3.5	NF, U, SR, OP	Mar - Oct	
West Pump (Adams-1)	P	4.1	SR	Mar - Oct	
Dennis	P	0.4	SR	Mar - Oct	
Lane	P	0.4	SR	Mar - Oct	
Consoli	P	0.3	SR	Mar - Oct	
Bently	P	1.1	SR	Mar - Oct	
Stolp	P	0.4	SR	Mar - Oct	
Birnbaum		1.4	GW, SR	Mar - Oct	
Town "E"	P	1.8	GW, SR, OP, U	Mar - Oct	
Bradv	P	1.4	GW, SR, OP	Mar - Oct	
Mondo	P	0.7	GW, SR, OP	Mar - Oct	
Adams-2	P	0.7	SR	Mar - Oct	
Kearney	E, C, P	6.2	SR	Mar - Oct	
Stoddard	P	0.2	SR	Mar - Oct	
Union	E, C, P	1.0	SR	Mar - Oct	
Workman	P	0.6	SR	Mar - Oct	
Coop	P	0.4	SR	Mar - Oct	
Erlanger	P	0.6	SR	Mar - Oct	
Heggie	E, P	1.7	SR	Mar - Oct	
South	E, C	7.4	SR, OP	Mar - Oct	
Palmer	E, C	5.7	SR, OP	Mar - Oct	
Dry Creek	E, P	2.7	SR, OP	Mar - Oct	
Atlas	E, P	0.5	SR	Mar - Oct	
Riverbank	E, C, P	7.8	GW, SR, OP, NF, U	Mar - Oct	9, 10
Townhill	E, P	1.7	SR	Mar - Oct	
Crane	P	8.1	GW, SR, OP, NF, U	Mar - Oct	10
Langworth	C, P	4.0	SR	Mar - Oct	
Lundgren	P	0.6	SR	Mar - Oct	
Turner	P	1.1	SR	Mar - Oct	
Walker	P	2.0	SR	Mar - Oct	
Spencer-1	P	0.5	SR	Mar - Oct	
Spencer-2	P	0.5	SR	Mar - Oct	
Snedigar	E, C, P	3.2	SR	Mar - Oct	
Olds	P	0.4	SR	Mar - Oct	
Santa Fe	P	0.9	SR	Mar - Oct	
Southwest P.L.	E, P	1.4	SR	Mar - Oct	
Raney	P	0.5	SR	Mar - Oct	
Claribell	E, C	6.5	SR	Mar - Oct	
Stowell	E	3.6	SR	Mar - Oct	9
Albers-1	E, C	3.1	SR	Mar - Oct	9
Albers-2	P	1.6	SR	Mar - Oct	
Bricheno	E, C, P	6.3	SR	Mar - Oct	9
Faxon P.L.	E, P	0.3	SR	Mar - Oct	
Keeley P.L.	P	0.6	SR	Mar - Oct	
Mootz	E, C, P	3.5	SR	Mar - Oct	
Thompson	E, P	1.7	SR, OP	Mar - Oct	9
Joint Main	C	4.0	SR	Mar - Oct	
North Main	E, P	12.7	SR	Mar - Oct	
Frymire	E, P	2.3	SR, OP	Jan - Dec	
Morrison	E	2.5	SR	Mar - Oct	
Willis	E	1.4	SR, OP	Mar - Oct	
Cape Horn	E, P	0.2	SR	Mar - Oct	
Tullock	P	3.6	SR	Mar - Oct	
Stone	P	0.3	SR	Mar - Oct	
Peart		1.5	SR	Mar - Oct	

*SR = Stanislaus River (water diverted from Goodwin Dam)

Table 35A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Oakdale ID, cont'd					
Merrihew	P	0.2	*SR	Mar - Oct	
N. Dudley	P	0.9	SR	Mar - Oct	
S. Dudley	P	0.2	SR	Mar - Oct	
Lesnini-1	E, C, P	3.5	SR, OP	Mar - Oct	
Lesnini-2	E	0.9	SR	Mar - Oct	
Eaton	E, C, P	2.3	SR, OP	Mar - Oct	
Upper Eaton	E, C, P	0.4	SR	Mar - Oct	
Dilberto	E	0.2	SR	Mar - Oct	
Rodden High Line	E, C, P	2.8	SR	Mar - Oct	9
Collins	E, C, P	0.8	SR	Mar - Oct	
Burnett	E, C, P	7.6	GW, SR	Mar - Oct	
Tullock	E, C	3.5	GW, SR, OP	Mar - Oct	
East Stub	E, P	0.9	GW, SR	Mar - Oct	
E. Stub Ext.	P	0.1	GW, SR	Mar - Oct	
Hetland	E, P	0.4	GW, SR	Mar - Oct	
W. Thalheim	E, P	3.2	GW, SR	Mar - Oct	
W. Thalheim Ext.	E, C, P	0.3	GW, SR	Mar - Oct	
Wedegartner	E	0.2	GW, SR	Mar - Oct	
Schuller	E	0.5	GW, SR, OP	Mar - Oct	
Schutiz	P	0.4	GW, SR	Mar - Oct	
Campbell	E, C, P	7.2	GW, SR, OP	Mar - Oct	9
Mono Smith	P	0.5	GW, SR	Mar - Oct	
Chappell	P	1.7	GW, SR, OP	Mar - Oct	
Huffman	P	1.4	GW, SR, OP	Mar - Oct	
Edwards	P	1.2	GW, SR, OP	Mar - Oct	9
Grider	P	1.4	GW, SR, OP	Mar - Oct	
Dorsey	E, C, P	2.6	SR, OP	Mar - Oct	9
Gilbert	E, P	0.8	SR	Mar - Oct	
River Road	E, C, P	4.6	GW, SR, OP	Mar - Oct	
Moulton	P	1.7	GW, SR	Mar - Oct	
Howard	P	2.1	GW, SR, OP	Mar - Oct	9
Crouch	E, C	0.8	GW, SR	Mar - Oct	
Root	E, C, P	1.1	GW, SR, OP	Mar - Oct	
Lambuth	P	1.2	GW, SR, OP	Mar - Oct	9
Moulton Pump	P	0.3	SR	Mar - Oct	
W. Quistini	E	0.4	GW, SR	Mar - Oct	
E. Quistini	E	0.2	GW, SR	Mar - Oct	
Cometa	E, C	5.9	SR	Mar - Oct	9
Stevenot	E, P	0.7	SR	Mar - Oct	
Wyatt-Young	E	1.5	SR	Mar - Oct	
Wyatt	E, P	0.5	SR	Mar - Oct	9
Young	E	0.9	SR	Mar - Oct	
Hind	E, C, P	2.1	SR	Mar - Oct	9
Brockman	E	0.3	SR	Mar - Oct	9
E. Thulheim	E, C, P	1.8	SR	Mar - Oct	
Lower Cometa	E, P	6.3	SR	Mar - Oct	9
Leitch	E, P	0.9	SR, OP	Mar - Oct	9
Moll	E, P	1.1	SR	Mar - Oct	
Fairbanks	E, C, P	8.7	GW, SR, OP	Mar - Oct	9
Reed	E, P	0.8	SR, OP	Mar - Oct	
Howell	E, P	0.6	SR	Mar - Oct	9
Hirschfeld	E, C, P	6.3	GW, SR, OP	Mar - Oct	
Reardon	P	0.9	GW, SR	Mar - Oct	
Clark	P	2.8	GW, SR	Mar - Oct	
Sweet	E, C, P	3.0	GW, SR, OP	Mar - Oct	
Mensinger	E, P	0.5	GW, SR	Mar - Oct	9
Modesto ID					
Upper Main Canal	C	15.0	*TR	Jan - Dec	
Lower Main Canal	C	31.0	TR, GW	Jan - Dec	6, 7, 9
Lateral 1	CP	12.6	TR, GW	Mar - Oct	
Lateral 2	CP	7.9	TR, GW	Mar - Oct	
Lateral 3	CP	17.0	TR, GW, Tail	Mar - Oct	6, 7, 10
Lateral 4	CP	12.0	TR, GW	Mar - Oct	6, 7, 10
Lateral 5	CP	8.2	TR, GW	Mar - Oct	6, 7, 10
Lateral 6	CP	13.5	TR, GW	Mar - Oct	10
Lateral 7	CP	10.6	TR, GW	Mar - Oct	10
Lateral 8	CP	4.7	TR, GW	Mar - Oct	6, 7, 9
Bacon (Head)	P	0.0	TR, GW	Mar - Oct	6, 7, 9

*SR = Stanislaus River (water diverted from Goodwin Dam)

*TR = Tuolumne River

Table 35A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Modesto ID, cont'd					
Baker-Shiloh (Spill)	P	0.1	*TR, GW	Mar - Oct	9
Ball (Spill)	P	0.0	TR, GW	Mar - Oct	
Briggs and Wooten	P	2.3	TR, GW	Mar - Oct	
Butler	P	4.4	TR, GW	Mar - Oct	
Chappell	CP	0.9	TR, GW	Mar - Oct	
Coffee-Davis	P	2.0	TR, GW	Mar - Oct	
Dr. Moore	CP	2.5	TR, GW	Mar - Oct	
Epperson (Spill)	P	0.2	TR, GW	Mar - Oct	
Goldsworthy	P	4.0	TR, GW	Mar - Oct	
Haney (Head-Relocation 1971)	P	0.8	TR, GW	Mar - Oct	
Haney (Spill)	P	0.3	TR, GW	Mar - Oct	
Harding (Head)	P	0.1	TR, GW	Mar - Oct	
Highline	CP	4.8	TR, GW	Mar - Oct	
Hinning	CP	3.2	TR, GW	Mar - Oct	
Langdon-Merle	P	0.4	TR, GW	Mar - Oct	
Le Hane	P	0.6	TR, GW	Mar - Oct	
Naehle (head)	P	0.4	TR, GW	Mar - Oct	
Paradise (Head)	P	0.8	TR, GW	Mar - Oct	
Paradise (Spill)	P	0.4	TR, GW	Mar - Oct	
Perley (Spill)	P	0.2	TR, GW	Mar - Oct	
Shoemaker (Big)	P	0.5	TR, GW	Mar - Oct	
Shoemaker (Little)	P	1.7	TR, GW	Mar - Oct	
St.Francis Pipeline	P	0.2	TR, GW	Mar - Oct	
Weldy-Jones (Spill)	P	0.7	TR, GW	Mar - Oct	
Wood Ditch (Spill)	P	0.3	TR, GW	Mar - Oct	
Waterford (Upper Main Sidegates)	CPE	6.2	TR	Mar - Oct	10
Lateral A	E	1.4	TR	Mar - Oct	
Lateral B	CPE	4.0	TR	Mar - Oct	
Lateral C	PE	1.5	TR	Mar - Oct	
Waterford (Lower Main Sidegates)	CPE	8.5	TR, GW	Mar - Oct	
Lateral W-2	CPE	2.0	TR, GW	Mar - Oct	
Lateral W-3	CPE	4.0	TR, GW	Mar - Oct	
Lateral W-3B	CPE	2.5	TR, GW	Mar - Oct	
Lateral W-5	CP	0.6	TR, GW	Mar - Oct	
Lateral W-8	P	0.6	TR, GW	Mar - Oct	
Lateral W-9	CPE	2.8	TR, GW	Mar - Oct	
Lateral W-10	CP	2.7	TR, GW	Mar - Oct	
Lateral W-11	CP	1.6	TR, GW	Mar - Oct	
Lateral W-12	CPE	2.7	TR, GW	Mar - Oct	
Town Siphon Lateral	P	2.1	TR, GW	Mar - Oct	
Beard Ditch	CP	0.8	TR, GW	Mar - Oct	
Butcher Lateral	CP	1.1	TR, GW	Mar - Oct	
Tully Lateral	CP	1.9	TR, GW	Mar - Oct	
Turlock ID					
Upper Main Canal	EC	6.5	TR	Mar - Oct	
Main Canal	EC	11.5	TR	Mar - Oct	
Turlock Main Canal	EC	11.0	TR	Mar - Oct	
Highline Canal	EC	28.0	TR, GW	Mar - Oct	2
Ceres Main Canal	C	20.1	TR	Mar - Oct	
Lateral 1	C	8.1	TR, GW	Mar - Oct	2
Upper Lateral 2	C	9.0	TR	Mar - Oct	
Lower Lateral 2	C	11.2	TR, GW	Mar - Oct	2
Upper Lateral 2 1/2	C	10.6	TR, GW	Mar - Oct	
Lower Lateral 2 1/2	C	2.9	TR, GW	Mar - Oct	2
Upper Lateral 3	C	7.9	TR	Mar - Oct	
Lower Lateral 3	C	7.8	TR, GW	Mar - Oct	2
Upper Lateral 4	C	7.6	TR	Mar - Oct	
Lower Lateral 4	C	5.4	TR, GW	Mar - Oct	2
Cross Ditch 1	EC	3.0	TR	Mar - Oct	
Cross Ditch 2	C	4.3	TR	Mar - Oct	
Lateral 4 1/2	C	3.5	TR, GW	Mar - Oct	2
Lateral 5	C	7.6	TR, GW	Mar - Oct	2
Lateral 5 1/2	C	12.0	TR, GW	Mar - Oct	2
Lateral 6	C	12.1	TR, GW	Mar - Oct	2
Lateral 7	C	12.6	TR, GW	Mar - Oct	2
Upper Stevinson	C	2.5	TR, GW	Mar - Oct	
Lower Stevinson	C	3.5	TR, GW	Mar - Oct	2
Lateral 8	C	4.2	TR, GW	Mar - Oct	2

*TR = Tuolumne River

Table 35A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
S. San Joaquin ID					
JSC	C	3.5	U, *SR		
MSC	EC	9.5	U, SR		9
MDC	EC	18.0	Tail, GW, U, SR		9
A Lines	P	11.5	Tail, U, SR		9
A - 170	P	6.5	Tail, U, SR		10
B Lines	P	31.0	GW, SR		9
C Lines	P	3.5	Tail, U, SR		9
D Lines	P	3.5	Tail, U, SR		9
E Lines	P	2.5	Tail, U, SR		
F Lines	P	1.5	SR		
H Lines	P	5.0	SR, Tail, GW, U		
HA Lines	P	1.7	SR		
I Lines	P	5.0	SR, Tail, GW, U		9
J Lines	P	1.0	SR		
K Lines	P	8.0	SR, Tail, GW, U		9, 10
KA Lines	P	18.0	Tail, U, SR		9, 10
L Lines	P	3.5	SR		
N Lines	P	1.5	SR		
NA Lines	P	1.0	SR		
O Lines	P	10.5	SR, GW		
P Lines	P	5.0	SR, GW, U		
Q Lines	CP	40.0	SR, Tail, GW, U		9, 10
R Lines	CP	49.5	SR, Tail, GW, U		9, 10
RA Lines	CP	3.5	SR		
S Lines	P	2.0	SR, Tail, GW		9
T Lines	CP	28.0	SR, GW, U		9, 10
TA Lines	P	7.0	SR, GW		
U Lines	CP	10.8	SR, Tail, GW, U		10
V Lines	CP	28.3	SR, Tail, GW, U		9, 10
W Lines	P	30.3	SR, Tail, GW, U		9, 10
X Lines	P	6.0	SR, GW		
Y Lines	CP	13.0	SR, Tail, GW, U		10
Z Lines	P	5.0	SR, GW, U		10
U3 Line	EP	1.3	SR, U		

*SR = Stanislaus River

DRAINAGE BASIN 35B

Drainage Basin 35B consists of the valley floor portion of the southern San Joaquin River Basin, east of the San Joaquin River, south of the Merced River, and north of the Chowchilla River. The majority of natural streams in the area is ephemeral with channels carrying storm flood flows two to three months of the year and no natural runoff for the remainder of the year.

The entire drainage basin is a highly-productive, irrigated agricultural area. The water supply for irrigation is storage reservoirs on the Merced River, Delta supply water, ground water and direct diversions from the River. In the absence of irrigation, the area would be semi-arid grassland with little or no natural flow in the area creeks during the long hot summer period.

The basin covers all or portions of the following irrigation and water agencies:

Merced Irrigation District
Turner Island Water District
Stevenson Water District
Merquin County Water District
El Nido Irrigation District
LeGrand-Athlone Water District
La Branza Water District
Lone Tree Mutual Water Company

These seven agencies, which cover 238,344 acres, have authority over water supply and/or drainage within their boundaries.

Within the agricultural area of Drainage Basin 35B, all or portions of 19 ephemeral streams are dominated by either irrigation supply flows or agricultural drainage between March and November each year. Those water bodies include:

Cottonwood Creek	Duck Slough	Black Rascal Creek
Canal Creek	Bear Creek	South Slough
Hartley Slough	Miles Creek	Owens Creek
Fahrens Creek	Deadman Creek	Chowchilla River
Sand Slough	Edendale Creek	Dutchman Creek
Parkinson Creek	Chamberlain Slough	Deep Slough
Sand Slough		

The reaches of each natural channel that are dominated by agricultural activities shown in Tables 35B-B1 and 35B-B2. Natural channels that have been extensively reconstructed and no longer act as a natural channel are listed in Table 35B-C3 as a constructed facility. A short description of each of the water bodies listed in these three tables follows. In addition, constructed agricultural drains and supply canals are listed in Tables 35B-C1 and 35B-C2, respectively.

DRAINAGE BASIN 35B

CATEGORY B1 WATER BODIES

BEAR CREEK (downstream of Eastside Canal): Most of the surface water supply in Bear Creek is diverted by the time it passes the Eastside Canal. The Eastside Canal is the last major diversion on the creek. Below this point, the Creek is dominated by operational spills and agricultural surface drainage flows. This portion of the Creek would have little or no natural flow during the irrigation season (March - October).

MARIPOSA CREEK/DUCK SLOUGH: Mariposa Creek is a small ephemeral stream originating east of LeGrand. East of LeGrand, Mariposa Creek is a natural creek with flows generally in the wet season. Mariposa Creek has been realigned about 4 miles downstream of LeGrand and all flows from the Creek enter Duck Slough. Duck Slough is a former flood channel with no natural flow outside the rainy season. Flows in Duck Slough now consist entirely of agricultural return flows and operational spills. These flows dominate the creek during the March to September irrigation period.

COTTONWOOD CREEK: Cottonwood Creek is a 4 mile long ephemeral stream whose natural flow is only during the wet winter months. This small creek only acts as a natural flood channel. Flow in the final 2 miles of the Creek is now dominated by operational spills and irrigation drainage return flows. Flow from this Creek moves into Fahrens Creek but only dominates flow in the downstream reach of Fahrens Creek when releases into Fahrens Creek are low. Cottonwood Creek is strongly affected by stormwater flows from urban areas.

SOUTH SLOUGH (Final 3 miles): South Slough is an old flood channel of Bear Creek. It has no natural flow outside of the wet winter flood flow season. Portions of the Slough have been improved and are now used to convey surface irrigation supply water released from the Merced Irrigation District. The lower portions of the Slough carry operational spills and agricultural return flows.

BLACK RASCAL CREEK (Fairfield Canal to Fahrens Creek): Black Rascal Creek is a large ephemeral stream which flows in the wet winter months. The Creek is natural upstream of the Fairfield Canal. Below this point, the flow and quality are dominated by agricultural drainage released into the creek, as well as operational spills from the Merced Irrigation District Canal system. There are two distinct reaches of the Creek, one upstream and one downstream of Highway 99. There is limited flow in the portion upstream of Fahrens Creek; therefore, operational spills or other releases can easily dominate the creek. The lower reach of the Creek now flows jointly with Fahrens Creek in the portion upstream of Highway 99. Flow in the portion from the Fairfield Canal to the Fahrens Creek is affected by stormwater flows.

DRAINAGE BASIN 35B

DEADMAN CREEK (Downstream of the El Nido Canal): Deadman Creek channel below the El Nido Canal is a natural channel but it no longer has a natural flow. It remains a dry wash except that it receives agricultural tailwater. These return flows are not consistent; therefore, flow is highly variable. A portion of Deadman Creek will be used in the future to provide supply water to the Merced National Wildlife Refuge.

CATEGORY B2 WATER BODIES

CANAL CREEK: Canal Creek is a small ephemeral stream which has natural flow only a few months each year during the winter months. The creek channel has been modified in places and is a major channel carrying irrigation water to the Merced Irrigation District. Canal Creek is dominated by this supply water for the final 19 miles prior to its confluence with Black Rascal Slough. Supply water is turned into the channel at its confluence with the Merced Irrigation District Main Canal. Flow also arrives in the channel via Edendale Creek which also carries supply water from the Merced Irrigation District Main Canal. The lower portion of Canal Creek is strongly affected by stormwater flows from urban areas.

EDENDALE CREEK: Edendale Creek is a very small ephemeral dry wash which only has natural flow during the wettest winter periods. The Creek channel for 3.2 miles is dominated by irrigation supply water released into it from the Merced Irrigation District Main Canal. Flow from the Creek enters Canal Creek for irrigation distribution. The Creek has no distinct channel below the Canal Creek intake.

PARKINSON CREEK: Parkinson Creek is a very small ephemeral stream which only has natural flow during the winter months. The creek channel for 3 miles is dominated by irrigation supply water released into it from the Merced Irrigation District Main Canal. The channel is only used during short periods when the Main Canal floods are diverted into it during maintenance operations. Flow from the Creek enters the Henderson Lateral for irrigation distribution. The Creek has no distinct channel below the Henderson Lateral intake.

HARTLEY SLOUGH: Hartley Slough is an old flood channel which has little natural flow. Flow in the Slough is dominated by irrigation supply releases by the Merced Irrigation District. Portions of the Slough are used to transport irrigation supply water. The service area is small; therefore, flow is highly variable. The lowest portions of the Slough contain operational spills and other agricultural return flows in addition to the supply water. The entire length of Hartley Slough is affected by urban stormwater flows.

DRAINAGE BASIN 35B

FAHRENS CREEK: Fahrens Creek is an ephemeral stream whose natural flow occurs only in the wet winter months. The Creek is dominated by agricultural irrigation supply water downstream of the Merced Irrigation District Main Canal. This supply water domination continues 5 miles downstream until its confluence with Black Rascal Creek. Flow in the Creek is related to release schedules for the District and are not necessarily continuous throughout the irrigation season. The lower portion of Fahrens Creek is strongly affected by stormwater flows from urban areas. In addition the lower reach receives effluent from the Franklin County Water District Wastewater Treatment Plant.

LAKE YOSEMITE: Lake Yosemite is a storage and regulation reservoir for the Merced Irrigation District. Although a constructed water body, its method of operation has made it a permanent water body. Lake levels and flows in and out of the reservoir are dominated by irrigation supply water and its management.

BLACK RASCAL CREEK: Black Rascal Creek is a large ephemeral stream which flows in the wet winter months. The Creek is natural upstream of the Fairfield Canal. Below this point, the flow and quality are dominated by agricultural drainage released into the creek, as well as operational spills from the Canal system. There are two distinct reaches of the Creek, one upstream and one downstream of Highway 99. There is limited flow in the upstream portion; therefore, operational spills or other releases can easily dominate the creek. The lower reach of the Creek now flows jointly with Fahrens Creek in the portion upstream of Highway 99. Flow in the portion downstream of Highway 99 are highly regulated by the Crocker Diversion Dam in Bear Creek, a channel both creeks share for approximately a mile. Downstream of the Crocker Dam, flows consist of operational spills and other return flows but the channel is still dominated by Merced Irrigation District supply flows. Black Rascal Creek rejoins Bear Creek just upstream of the Merced Irrigation District downstream boundary. A portion of the upper reach of Black Rascal Creek is affected by stormwater flows. The entire lower reach is also affected.

BEAR CREEK: Bear Creek is the largest of the ephemeral streams in the area. Natural flows in the Creek, while related to the wet season, can extend for 6-8 months or more. Flow is regulated above the irrigated area on Burns Creek at the Burns Creek Reservoir. Merced Irrigation District uses portions of the Bear Creek Channel to convey irrigation water. This operation dominates flow and quality in the Creek. Most of this flow is diverted from Bear Creek at the Crocker Dam (downstream of Highway 99). Downstream of Crocker Dam, the creek receives agricultural return flows and operational spills but is still dominated by supply water diverted into it. Most of the supply water is taken out upstream of the Eastside Canal. Bear Creek, downstream of the Fairfield Lateral, is strongly affected by urban stormwater flows.

DRAINAGE BASIN 35B

SOUTH SLOUGH: South Slough is an old flood channel of Bear Creek. It has no natural flow outside of the wet winter flood flow season. Portions of the Slough have been improved and are now used to convey surface irrigation supply water released from the Merced Irrigation District. The lower portions of the Slough carry operational spills and agricultural return flows.

MILES CREEK (Upstream of the Puglizevich Dam): Miles Creek is a small ephemeral stream whose flow is dominated by operational spills and irrigation supply flows. The Creek joins Owens Creek just west of Highway 99.

OWENS CREEK: Owens Creek is a small ephemeral stream that originates in the foothills east of Planada. It flows during the wet season but can flow into late spring during wet years. West of the LeGrand Canal, Owens Creek is dominated by operational spills, agricultural return flows and intentional supply water releases into the stream by Merced Irrigation District. Owens Creek is also used to convey irrigation water to isolated pockets of land in the District. Owens Creek downstream of Hartley Slough receives urban wastewater flows from the City of Merced WasteWater Treatment Plant.

DUTCHMAN CREEK: Dutchman Creek is a small ephemeral stream that flows only after very wet winter periods. The remainder of the year, it is a dry stream bed which is used by the LeGrand-Athlone Water District to convey their supply water. Because the District does not have a firm water supply, flows in the Creek are highly variable and subject to extended dry periods.

CHOWCHILLA RIVER: The portion of the Chowchilla River within the study area is highly regulated and dominated by irrigation supply flows. Water is stored upstream in the Buchanan Dam for irrigation during the spring and summer months. As well, flows from the Friant Canal can be diverted into the stream. Fish release flows are made from the Dam; however, little water makes it downstream to the study area. The river channel is a rehabilitated channel. Irrigation releases from Buchanan Dam are primarily diverted into Berenda Slough although some flows continue downstream but not on a continuous basis. Irrigation flows in the channel occur from March through September due to a diversion from the Madera Canal. In the absence of these flows, the River channel would be dry except during high winter flows. Water quality reflects those released from the Buchanan Dam or the Friant Canal and is excellent quality. The Department of Food and Agriculture uses a herbicide in Buchanan Reservoir (Eastman Lake) to control hydrilla, but its impact on downstream water quality is unknown. There are few tailwater discharges allowed to enter the river channel from the La Branza Water District. Therefore, the stream is not dominated below the La Branza Water District approximately one mile downstream of Highway 99.

DRAINAGE BASIN 35B

CATEGORY C3 WATER BODIES

MARIPOSA SLOUGH: Mariposa Slough is a natural, ephemeral slough with its only natural flow being from flood waters. Mariposa Slough as been disconnected from its major source of supply due to the construction of the Eastside Bypass. The remaining portion of Mariposa Slough has been reconstructed for agricultural activities. Within the Turner Island Water District, five dams were built to raise the water level for irrigation supply water. There is no flow in Mariposa Slough during the irrigation season without agricultural supply water or return flows.

MILES CREEK (Downstream of Puglizevich Dam): Miles Creek downstream of Puglizevich Dam has no natural flow as this is now diverted into Owens Creek at the Dam. The Miles Creek channel below this point has been extensively reconstructed and realigned to act as a flood control channel. In this 5-mile reach, flows consist primarily of agricultural return flows.

NORTH SLOUGH: North Slough is an old flood channel of the San Joaquin River at the confluence with the Merced River. Because of recent levees that have been built, this Slough no longer has any connection with either the Merced or San Joaquin River. Water in the Slough is now either standing ground water or agricultural return flows which dominates the Slough during the irrigation season. Because the Slough has no natural water source or flow, the Slough is now an agricultural drain. The Slough should not be considered a natural stream.

DEADMAN CREEK (Upstream of the El Nido Canal): Deadman Creek is a very small flood channel that has no natural flow outside of wet or flood periods. The remainder of the year, it is a dry wash. The channel in several reaches has been realigned and reconstructed to carry agricultural irrigation supply water. The channel now functions as a supply canal. This portion extends from near LeGrand to the El Nido Canal.

TURNER SLOUGH: Turner Slough is a former flood channel that has no natural flow. The channel has been reconstructed and realigned now to serve as a main drain for areas in the Stevenson Water District. Flow in the reconstructed channel is totally agricultural drainage flows.

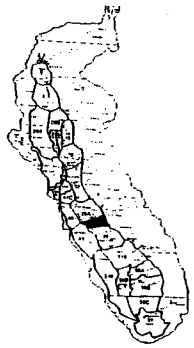
DEEP SLOUGH: Deep Slough is a small, reconstructed, former overflow channel of the San Joaquin River. The 1.35-mile slough receives agricultural drainage from 432 acres between February and October.

DRAINAGE BASIN 35B

SAND SLOUGH: Sand Slough is a former overflow channel for the San Joaquin River. When the river was leveed, the Slough was essentially cut off from most natural flows. The seven-mile channel, from the edge of the San Joaquin River until its discharge into Mariposa Slough, has been reconstructed and realigned to transport agricultural supply and drainage flows. These agricultural flows dominate the channel between February and October.

CHAMBERLAIN SLOUGH: Part of the Former overflow system for the San Joaquin River, Chamberlain Slough was cut off from most natural flows when the river was leveed. The 3.2-mile channel between Sand Slough and the Eastside Bypass now receives agricultural supply and drainage flows from February through October. The channel has been extensively realigned and reconstructed to facilitate the transport of the agricultural water.

DRAINAGE BASIN 35B



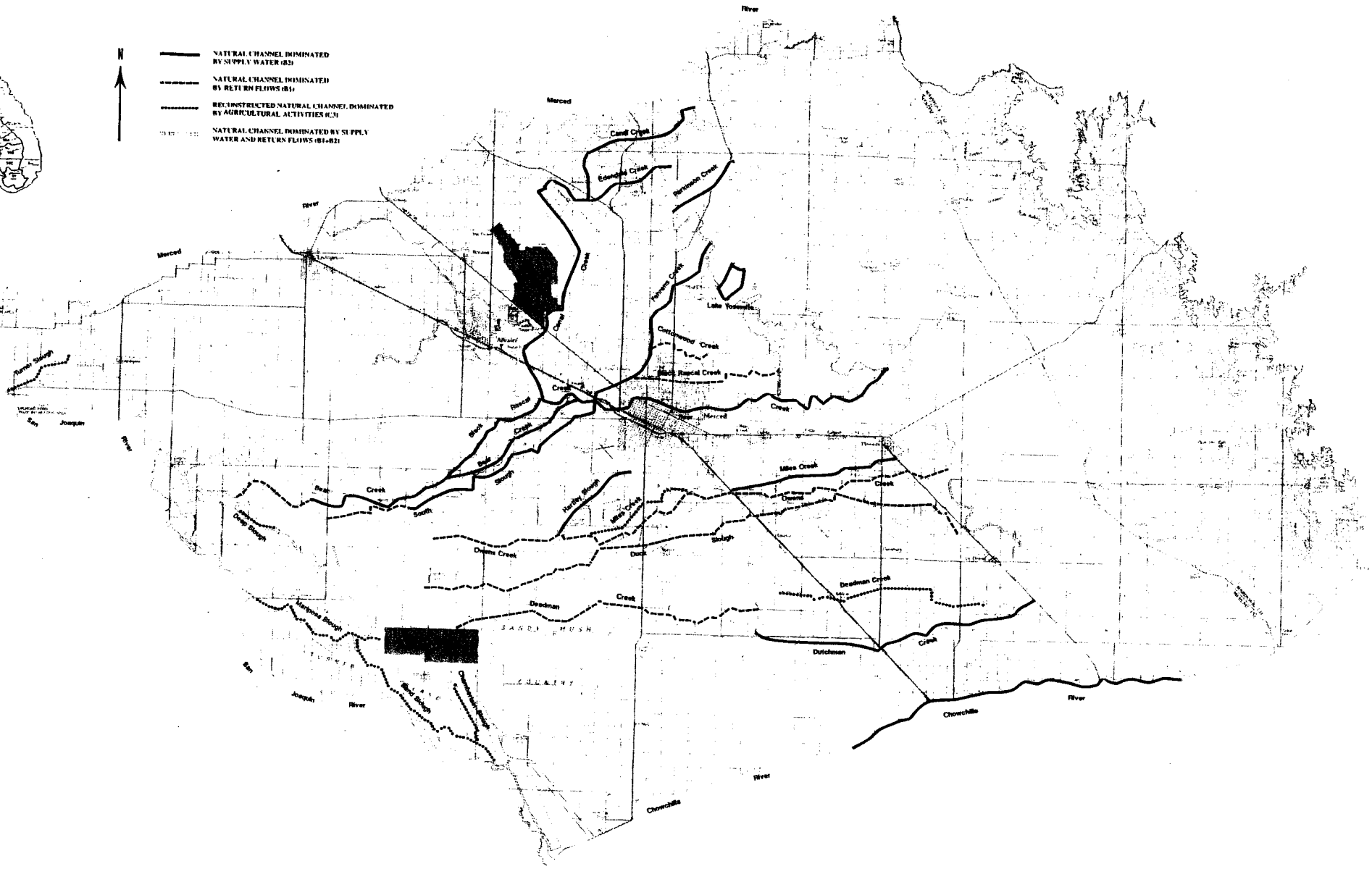


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TABLE 35B-B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 35B
DOMINATED BY AGRICULTURAL RETURN FLOWS

Name	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Cottonwood Creek	2.5	Tail, OP	Mar - Oct	1, 6, 10
Black Rascal Creek (Fairfield Canal to Fahrens Creek)	7.5	Tail, OP	Mar - Oct	1, 6, 10
Duck Slough (downstream of Highway 140)	22	Tail, OP	Mar - Oct	1, 6
Deadman Creek (downstream of the El Nido Canal)	5.5	Tail, OP	Mar - Oct	1, 6
South Slough (final 3 miles)	3	Tail, OP	Mar - Oct	1, 6
Bear Creek (downstream of Eastside Canal)	9	Tail, OP	Mar - Oct	1, 6

TABLE 35B - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 35B
DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Canal Creek	19.5	Merced River	Feb - Oct	10
Edendale Creek	3.2	Merced River	Feb - Oct	
Parkinson Creek	3.0	Merced River	Feb - Oct	10
Black Rascal Creek (downstream of Fahrens Creek confluence)	9.0	OP, Tail, Merced River	Feb - Oct	10
Fahrens Creek	5.0	Merced River	Feb - Oct	
Bear Creek (upstream of Hwy 140)	30.0	OP, Tail, Merced River	Feb - Oct	10
South Slough	5.0	Tail, Merced River	Feb - Oct	1, 6, 10
Hartley Slough	2.5	Tail, Merced River	Feb - Oct	1, 6, 10
Miles Creek (upstream of Puglizevich Dam)	7.0	Tail, Merced River	Feb - Oct	1, 6, 10
Owens Creek (upstream of SPRR)	26.0	Tail, Merced River	Feb - Oct	1, 6, 8
Dutchman Creek	13.0	Merced River	Feb - Oct	
Chowchilla River	12.0	Madera Canal	Feb - Oct	

TABLE 35B - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 35B

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Merced ID						
Fesler Drain	E	0.7		Tail	Mar-Oct	1,6
Thornton Road Drain	E	4.0		Tail	Mar-Oct	1,6
Paden Drain	E	1.5		Tail	Mar-Oct	1,6
Bloss Drain	E	2.5		Tail	Mar-Oct	1,6
Gove Road Drain	E	1.2			Mar-Oct	1,6
Fox Road Drain	E	3.0			Mar-Oct	1,6
Bailey Road Drain	E	0.5			Mar-Oct	1,6
Rice Road Drain	E	1.8			Mar-Oct	1,6
Gurr Road Drain	E	0.8			Mar-Oct	1,6
Steiner Drain	E	2.0		Tail	Mar-Oct	1,6
Jones Drain	E	0.6		Tail	Mar-Oct	1,6
Silva Drain	E	1.2		Tail	Mar-Oct	1,6
Smith Drain	E	1.0		Tail	Mar-Oct	1,6
Atwater Drain	E	5.8		WW,NF	Mar-Oct	1,6,8
Parriirea Drain	E	1.1		Tail	Mar-Oct	1,6
Thomas Drain	E	0.8		Tail	Mar-Oct	1,6
Mattos Drain	E	1.5		Tail	Mar-Oct	1,6
Livingston Drain	E	5.9		Tail	Mar-Oct	1,6
Deane Drain	E	2.8		Tail	Mar-Oct	1,6
McConnel Drain	E	0.6		Tail	Mar-Oct	1,6
Robinson Drain	E	3.3		Tail	Mar-Oct	1,6
Six-Mile Drain	E	2.2		Tail	Mar-Oct	1,6
Trinidade Drain	E	1.9		Tail	Mar-Oct	1,6
Weber Drain	E	1.0		Tail	Mar-Oct	1,6
Stevinson & Merquin County WD						
Orestimba Drain Wilson Drain	E	1.0	150	Tail	Apr-Oct	2,3,4,5
Wilson Drain	E	1.5	500	Tail	Mar-Oct	2
N. Anchor J Drain	E	2.5	500	Tail	Apr-Oct	2,3
Home Ranch Spill/ESC	E	0.0		OP	Apr-Oct	N/A
Cerune Spill/ESC Drain	E	0.0		OP	Apr-Oct	N/A
Fremont Drain	E	0.5	250	Tail	Apr-Oct	2,3,4
Big Bottom/S. Fremont Drain	E	1.5	350	Tail	Apr-Oct	2,3,4
Big Bottom/Turner slough Exit	E	3.0	1500	*SJR,Tail,OP	Apr-Oct	2,3,4
Hotel Drain	E	2.5	250	Tail, OP	Apr-Oct	2
Van Cliff Drain	E	1.5	250	Tail, OP	Apr-Oct	2
South Anchor J Drain	E	1.5	250	Tail, OP	Apr-Oct	2
Pile Drain	E	1.5	350	Tail, OP	Apr-Oct	2,3,4
Green Ditch Drain	E	1.5		Tail, OP	Apr-Oct	2,3,4
Lemus Drain	E	1.5		Tail, OP	Apr-Oct	2,3,4
4th Avenue West Drain	E	2.0		Tail, OP	Apr-Oct	2,3,4
Brower Drain	E	1.5		Tail, OP	Apr-Oct	2,3,4
Reitas Drain	E	2.0		Tail, OP	Apr-Oct	2,3,4
4th Avenue West Drain	E	0.5		Tail, OP	Apr-Oct	2,3,4
Azevedo Nunes Drain	E	0.3		Tail, OP	Apr-Oct	2,3,4
River Road Drain	E	1.3		Tail, OP	Apr-Oct	2,3,4
Judith Drain	E	2.6		Tail, OP	Apr-Oct	2,3,4
Lone Tree Mutual Water Co.						
A Drain	E	3.5		GW, Tail, SW	Feb-Dec	
B Drain	E	2.5		GW, Tail, SW	Feb-Dec	
F Drain	E	1.2		Tail	Feb-Dec	
G Drian	E	1.0		Tail	Feb-Dec	
H Drain	E	0.5		Tail, GW	Feb-Dec	
I Drain	E	2.0		Tail, GW	Feb-Dec	
J Drain	E	0.6		Tail, Tile	Feb-Dec	
K Drain	E	2.5		Tail	Feb-Dec	
L Drain	E	2.5		Tail, SW, GW	Feb-Dec	
M Drain	E	0.8		Tail, GW	Feb-Dec	

SJR* = San Joaquin River

TABLE 35B - C2

CONSTRUCTED AGRICULTURAL SUPPLY CANALS WITHIN DRAINAGE BASIN 35B

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Turner Island WD					
Poso Slough	E	3.1	Tail, GW	Feb-Sep	1,2
Sandy Mush Lateral	E	0.6	Tail, GW	Feb-Sep	1,2
East Side Canal	E	1.3	Tail, GW	Feb-Sep	1,2
Stevinson & Merquin County WD					
East Side Canal	EC	26.0	SW	Mar-Oct	
Highline #1	E	4.2	SW, GW	Mar-Oct	
Highline #2	E	4.1	SW, GW	Mar-Oct	
Nelander	E	0.8	SW, GW	Mar-Oct	
Pump Ditch	E	2.5	SW, GW	Mar-Oct	
Hotel Ditch	E	0.2	SW, GW	Mar-Oct	
140 Ditch	E	0.7	SW, GW	Mar-Oct	
4th Avenue Ditch	E	2.1	SW, GW	Mar-Oct	
Green Ditch	E	2.0	SW, GW	Mar-Oct	
Leman	E	1.6	SW, GW	Mar-Oct	
Clark	E	1.6	SW, GW	Mar-Oct	
Gooseneck	E	5.0	SW, GW	Mar-Oct	
Bull Hill	E	2.4	SW, GW	Mar-Oct	
Joch	E	2.4	SW, GW	Mar-Oct	
Brower	E	0.5	SW, GW	Mar-Oct	
McDonald	E	2.4	SW, GW	Mar-Oct	
Strait	E	1.1	SW, GW	Mar-Oct	
Stoerk	EC	2.4	SW, GW	Mar-Oct	
Sprole	E	2.8	SW, GW	Mar-Oct	
Rice Field Ditch	E	1.7	SW, GW	Mar-Oct	
Turner Slough	E	3.0	SW, GW	Mar-Oct	
Pike Pump	EC	1.5	*SJR, Tail	Mar-Oct	
Fremont Pump	EC	1.0	SJR	Mar-Oct	2,3,4
Home Ranch Pump	EC	2.0	SW, MR, GW	Mar-Oct	
RRD Pump	EC	2.0	SW, MR, GW	Mar-Oct	
Anchor J	E	2.0	MR, GW	Mar-Oct	
George	C	2.0	MR, GW	Mar-Oct	
Wilson	C	2.0	MR, GW	Mar-Oct	
Orestimba	E	1.5	SJR	Mar-Oct	2,3,4
Big Bottom	C	2.0	SW, SJR	Mar-Oct	2,3,4
Merced ID					
Applegate Lateral	E	2.4	SW	Mar-Oct	10
Arena Canal	EC	11.4	SW, GW	Mar-Oct	10
Arena Canal Lateral A	EP	0.8	SW	Mar-Oct	10
Arena Canal Lateral B	E	1.1	SW	Mar-Oct	10
Arena Canal Lateral C	P	0.3	SW, GW	Mar-Oct	
Armas Lateral	C	1.4	SW, GW	Mar-Oct	
Armas Lateral A	P	0.5	SW	Mar-Oct	
Armas Lateral B	P	0.3	SW	Mar-Oct	
Arundel Lateral	E	2.0	SW, GW	Mar-Oct	
Arundel Lateral A	E	0.2	SW	Mar-Oct	
Atwater Canal	C	9.0	SW, GW	Mar-Oct	10
Atwater Canal Lateral A	E	0.2	SW	Mar-Oct	10
Atwater Canal Lateral B	P	0.8	SW	Mar-Oct	10
Atwater Canal Lateral C	E	0.3	SW	Mar-Oct	10
Atwater Canal Lateral D	E	0.5	SW	Mar-Oct	10
Atwater Canal Lateral D-1	ECP	0.5	SW	Mar-Oct	10
Atwater Canal Lateral E	P	0.6	SW	Mar-Oct	10
Bailey Lateral	EP	2.6	SW	Mar-Oct	
Bailey Lateral A	E	0.7	SW	Mar-Oct	
Bailey Lateral A-A	EP	1.2	SW	Mar-Oct	
Baker Lateral	P	0.6	SW	Mar-Oct	
Benedict Lateral	E	4.1	SW	Mar-Oct	
Beutel Lateral	P	0.5	SW	Mar-Oct	
Bird Lateral	E	1.0	SW	Mar-Oct	
Bloom & N. Bloom Lateral	EC	0.6	SW	Mar-Oct	
Bloss Lateral	EC.	5.2	SW, GW	Mar-Oct	
Bloss Lateral A	PC	0.7	SW, GW	Mar-Oct	
Bloss Lateral B	E	0.4	SW	Mar-Oct	
Bonner Lateral	E	3.3	SW	Mar-Oct	
Bonner Lateral A	EP	1.2	SW	Mar-Oct	

*SJR = San Joaquin River

Table 35B-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Merced ID, cont'd					
Bonner Lateral A-A	E	0.1	SW	Mar-Oct	
Bonner Lateral B	E	0.4	SW	Mar-Oct	
Bonner Lateral #2	EP	3.8	SW	Mar-Oct	
Booster #2 Lateral A	E	0.4	SW	Mar-Oct	
Booster #3 Lateral	EC	5.5	SW	Mar-Oct	
Booster #3 Lateral A	P	0.1	SW	Mar-Oct	
Booster #3 Lateral B	P	0.1	SW	Mar-Oct	
Booster #4 Lateral	E	1.4	SW	Mar-Oct	
Booster #4 Lateral A	E	0.1	SW	Mar-Oct	
Booster #4 Lateral B	P	0.1	SW	Mar-Oct	
Booster #5 Lateral	EP	1.6	SW	Mar-Oct	
Booster #6 Lateral	E	0.3	SW	Mar-Oct	
Booster #16 Pipeline	P	0.7	SW	Mar-Oct	
Borland Lateral	ECP	3.1	SW	Mar-Oct	
Borland Lateral A	P	0.3	SW	Mar-Oct	
Borland Lateral B	EP	0.2	SW	Mar-Oct	
Bradley Lateral	EP	0.9	SW	Mar-Oct	
Bradley Lateral A	EP	2.7	SW	Mar-Oct	
Bradley Lateral B	E	1.8	SW	Mar-Oct	
Bradley Lateral B-1	E	1.0	SW	Mar-Oct	
Buhach Lateral	ECP	3.4	SW, GW	Mar-Oct	
Buhach Lateral A	E	0.2	SW	Mar-Oct	
Buhach Lateral A-A	P	0.3	SW	Mar-Oct	
Buhach Lateral A-1	P	0.3	SW	Mar-Oct	
Buhach Lateral B	E	0.2	SW	Mar-Oct	
Burchell Lateral	EP	2.2	SW	Mar-Oct	
Burchell Lateral A	E	0.1	SW	Mar-Oct	
Burchell Lateral B	P	0.1	SW	Mar-Oct	
Cadera Lateral	EP	0.6	SW	Mar-Oct	
Carmichael Lateral	E	0.5	SW	Mar-Oct	
Casad Lateral	CP	3.5	SW	Mar-Oct	
Casebeer Lateral	E	1.9	SW	Mar-Oct	
Casebeer Lateral A	E	0.5	SW	Mar-Oct	
Casebeer Lateral B	E	0.1	SW	Mar-Oct	
Caton Lateral	EP	1.2	SW	Mar-Oct	
Caton Lateral A	E	0.2	SW	Mar-Oct	
Clark Lateral	E	0.6	SW	Mar-Oct	
Cotton Lateral	EP	3.2	SW,GW	Mar-Oct	
Crane Lateral	EP	1.8	SW	Mar-Oct	
Crane Lateral A	E	0.9	SW	Mar-Oct	
Crane Lateral A-1	EP	0.4	SW	Mar-Oct	
Cressey Lateral	EC	5.8	SW,GW	Mar-Oct	
Cressey Lateral A	P	0.1	SW	Mar-Oct	
Cressey Lateral A-A	P	0.7	SW	Mar-Oct	
Cressey Lateral B	E	0.2	SW	Mar-Oct	
Cressey Lateral C	EP	0.8	SW,GW	Mar-Oct	
Curtney Lateral	EC	0.7	SW,GW	Mar-Oct	
Davis Lateral	E	0.5	SW	Mar-Oct	
Deane Canal	E	3.4	SW,GW	Mar-Oct	
Deane Canal Lateral A	E	1.0	SW,GW	Mar-Oct	
Deane Canal Lateral B	E	1.0	SW	Mar-Oct	
Deckert Lateral	EP	2.3	SW	Mar-Oct	
Dibblee Lateral	E	5.8	SW,GW	Mar-Oct	
Dibblee Lateral A	E	0.6	SW	Mar-Oct	
Dibblee Lateral B	E	0.8	SW	Mar-Oct	
Dibblee Lateral C	E	0.3	SW,GW	Mar-Oct	
Dibblee Lateral D	E	0.2	SW	Mar-Oct	
Doane Lateral	E	1.5	SW,GW	Mar-Oct	
Doane Lateral A	E	0.5	SW,GW	Mar-Oct	
Doane Lateral B	E	0.7	SW,GW	Mar-Oct	
Dunn Lateral	E	0.3	SW	Mar-Oct	
East Ashe Lateral	EP	2.0	SW,GW	Mar-Oct	
East Ashe Lateral A	E	0.8	SW	Mar-Oct	
East Ashe Lateral B	EP	9.0	SW	Mar-Oct	
El Capitan Canal	E	6.1	SW,GW	Mar-Oct	
El Capitan Canal Lateral A	E	0.9	SW,GW	Mar-Oct	
El Capitan Canal Lateral B	E	1.0	SW,GW	Mar-Oct	
El Nido Canal	E	2.3	SW,GW	Mar-Oct	
Escaladian Canal	E	7.2	SW,GW	Mar-Oct	

Table 35B-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Merced ID, cont'd					
Escaladian Canal Lateral A	E	0.4	SW,GW	Mar-Oct	
Escaladian Canal Lateral AA	E	0.5	SW	Mar-Oct	
Escaladian Canal Lateral A-1	E	0.2	SW	Mar-Oct	
Fahrens Creek Lateral A	E	0.2	SW	Mar-Oct	
Fahrens Creek Lateral B	E	1.0	SW	Mar-Oct	
Fairfield Canal	E	12.0	SW,GW	Mar-Oct	
Fairfield Canal Lateral A	EP	3.9	SW	Mar-Oct	
Fairfield Canal Lateral A-1	E	0.2	SW	Mar-Oct	
Fairfield Canal Lateral B	P	0.2	SW	Mar-Oct	
Fairfield Canal Lateral C	EP	1.3	SW,GW	Mar-Oct	
Fairfield Canal Lateral C-C	E	1.2	SW	Mar-Oct	
Fairfield Canal Lateral C-1	E	0.5	SW	Mar-Oct	
Fairfield Canal Lateral D	E	1.0	SW	Mar-Oct	
Fairfield Canal Lateral E	EC	1.0	SW	Mar-Oct	
Fairfield Canal Lateral E-2	E	0.6	SW	Mar-Oct	
Fairfield Canal Lateral F	E	0.3	SW	Mar-Oct	
Fancher Lateral	EP	2.7	SW	Mar-Oct	
Farmdale Lateral	EP	4.0	SW,GW	Mar-Oct	
Farmdale Lateral A	EP	0.9	SW,GW	Mar-Oct	
Fisher Lateral		2.5	SW	Mar-Oct	
Fisher Lateral A	E	0.2	SW	Mar-Oct	
Fruitland Lateral	ECP	4.4	SW,GW	Mar-Oct	
Fruitland Lateral A	P	0.8	SW	Mar-Oct	
Fruitland Lateral B	CP	0.4	SW	Mar-Oct	
Garibaldi Lateral	EP	5.5	SW,GW	Mar-Oct	
Garibaldi Lateral A	E	0.7	SW	Mar-Oct	
Garibaldi Lateral A-A	P	0.3	SW	Mar-Oct	
Garibaldi Lateral A-1	EP	0.1	SW	Mar-Oct	
Garibaldi Lateral B	E	1.0	SW	Mar-Oct	
Garibaldi Lateral B-1	EC	0.4	SW	Mar-Oct	
Gertrude Lateral	E	4.3	SW,GW	Mar-Oct	
Gertrude Lateral A	E	0.2	SW	Mar-Oct	
Gertrude Lateral B	EP	0.9	SW	Mar-Oct	
Gertrude Lateral C	E	1.3	SW,GW	Mar-Oct	
Gertrude Lateral C-1	E	0.5	SW	Mar-Oct	
Givens Lateral	E	1.9	SW,GW	Mar-Oct	
Grimes Lateral	EP	2.7	SW,GW	Mar-Oct	
Grimes Lateral A	E	2.1	SW,GW	Mar-Oct	
Grimes Lateral A-1	EP	0.5	SW	Mar-Oct	
Grimes Lateral B	E	0.4	SW,GW	Mar-Oct	
Gurr Lateral	E	4.4	SW,GW	Mar-Oct	
Hadley Lateral	E	4.5	SW	Mar-Oct	
Hadley Lateral A	E	0.1	SW,GW	Mar-Oct	
Hadley Lateral B	E	0.1	SW	Mar-Oct	
Hadley Lateral C	EP	0.4	SW,GW	Mar-Oct	
Hadley Lateral D	E	0.1	SW	Mar-Oct	
Halverson Lateral	EP	2.0	SW,GW	Mar-Oct	
Halverson Lateral A	EP	0.6	SW	Mar-Oct	
Hammet Lateral	ECP	2.1	SW,GW	Mar-Oct	
Hartley Lateral	EC	8.6	SW,GW	Mar-Oct	
Hartley Lateral A	EP	1.5	SW,GW	Mar-Oct	
Hartley Lateral B	E	0.6	SW,GW	Mar-Oct	
Hartley Lateral C	EP	1.9	SW	Mar-Oct	
Hartley Lateral D	E	0.9	SW	Mar-Oct	
Hartley Lateral E	E	0.6	SW	Mar-Oct	
Hartley Lateral F	P	0.5	SW,GW	Mar-Oct	
Hartley Lateral G	E	1.1	SW	Mar-Oct	
Hartley Lateral H	E	0.4	SW	Mar-Oct	
Hartley Lateral I	E	2.1	SW	Mar-Oct	
Hayden Lateral	EP	1.1	SW	Mar-Oct	
Hayden Lateral A	E	0.3	SW	Mar-Oct	
Henderson Lateral	ECP	12.2	SW,GW	Mar-Oct	
Henderson Lateral A	E	1.0	SW	Mar-Oct	
Henderson Lateral B	E	1.0	SW	Mar-Oct	

Table 35B-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Merced ID, cont'd					
Henderson Lateral C	P	0.2	SW	Mar-Oct	
Hesse Lateral	EP	1.9	SW	Mar-Oct	
Hinds Lateral	E	1.9	SW	Mar-Oct	
Howard Lateral	E	3.4	SW	Mar-Oct	
Howard Lateral A	E	0.6	SW	Mar-Oct	
Hunter Lateral	ECP	1.1	SW	Mar-Oct	
Ivett Lateral	ECP	2.8	SW	Mar-Oct	
Jones Road Lateral	EP		SW	Mar-Oct	
Jones Road Lateral A	P	0.2	SW	Mar-Oct	
King Lateral	EP	1.8	SW,GW	Mar-Oct	
King Lateral A	P	0.2	SW	Mar-Oct	
Koff Lateral	E	4.6	SW,GW	Mar-Oct	
Koff Lateral A	EP	0.3	SW,GW	Mar-Oct	
Koff Lateral A-A	E	0.3	SW	Mar-Oct	
Koff Lateral B	E	0.2	SW	Mar-Oct	
Koff Lateral C	E	0.2	SW	Mar-Oct	
Lateral #4	E	0.3	SW	Mar-Oct	
Lateral #10	E	0.1	SW	Mar-Oct	
Landram Lateral	ECP	1.2	SW	Mar-Oct	
Leatherman Lateral	CP	3.2	SW	Mar-Oct	
Le Grand Canal	E	21.8	SW,Tile	Mar-Oct	
Le Grand Canal A	EP	0.5	SW	Mar-Oct	
Le Grand Canal AA	EP	0.6	SW	Mar-Oct	
Lehmer Lateral	EC	3.4	SW,GW	Mar-Oct	
Lehmer Lateral A	E	0.1	SW	Mar-Oct	
Lehmer Lateral B	EP	1.4	SW	Mar-Oct	
Lehmer Lateral B-1	P	0.1	SW	Mar-Oct	
Lehmer Lateral B-2	P	0.2	SW	Mar-Oct	
Lehmer Lateral C	P	0.3	SW	Mar-Oct	
Lehmer Lateral D	C	1.9	SW,GW	Mar-Oct	
Lehmer Lateral D-2	CP	1.5	SW	Mar-Oct	
Lingard Lateral	EC	6.8	SW,GW	Mar-Oct	
Lingard Lateral A	E	0.7	SW	Mar-Oct	
Lingard Lateral B	E	1.8	SW,GW	Mar-Oct	
Lingard Lateral D	E	0.4	SW,GW	Mar-Oct	
Lingard Lateral E	E	0.4	SW	Mar-Oct	
Lingard Lateral F	E	0.6	SW	Mar-Oct	
Lingard Lateral F-1	E	0.1	SW	Mar-Oct	
Lingard Lateral G	E	0.3	SW	Mar-Oct	
Little Ward Lateral	EC	1.1	SW,GW	Mar-Oct	
Little Ward Lateral A	P	0.3	SW,GW	Mar-Oct	
Livingston Canal	E	13.4	SW,GW	Mar-Oct	
Livingston Canal Lateral A	C	0.7	SW	Mar-Oct	
Livingston Canal Lateral B	EP	0.6	SW	Mar-Oct	
Livingston Canal Lateral B-1	E	0.1	SW	Mar-Oct	
Livingston Canal Lateral B-2	P	0.2	SW	Mar-Oct	
Long Delivery	EP	1.5	SW	Mar-Oct	
Lower Dallas Lateral	EC	2.2	SW,GW	Mar-Oct	
Lower Golf Lateral	E	1.2	SW	Mar-Oct	
Main Ashe Lateral	CP	2.5	SW	Mar-Oct	
Main Ashe Lateral A	P	0.2	SW	Mar-Oct	
Main Ashe Lateral B	E	0.2	SW	Mar-Oct	
Main Canal	E	16.0	SW	Mar-Oct	
Martin Lateral	CP	4.6	SW,GW	Mar-Oct	
Martin Lateral A	E	0.4	SW	Mar-Oct	
Martin Lateral B	E	0.2	SW	Mar-Oct	
Martin Lateral C	P	0.1	SW,GW	Mar-Oct	
Martin Lateral C-1	EP	0.6	SW	Mar-Oct	
Martin Lateral D	EC	0.8	SW	Mar-Oct	
Mason Curtis Lateral	E	1.7	SW	Mar-Oct	
Mason Curtis Lateral A	P	0.6	SW	Mar-Oct	
Mason Curtis Lateral A-A	EP	0.6	SW	Mar-Oct	
McConnell Lateral	E	0.8	SW	Mar-Oct	
McConnell Lateral A	E	0.2	SW	Mar-Oct	

Table 35B-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Merced ID, cont'd					
McCoy Lateral	EC	10.1	SW,GW	Mar-Oct	
McCoy Lateral A	P	0.7	SW	Mar-Oct	
McCoy Lateral B	P	1.2	SW	Mar-Oct	
McCoy Lateral C	P	0.2	SW	Mar-Oct	
McCoy Lateral D	P	1.7	SW	Mar-Oct	
McCoy Lateral D-2	P	0.4	SW	Mar-Oct	
McCoy Lateral E	E	0.2	SW	Mar-Oct	
McCoy Lateral F	CP	0.6	SW	Mar-Oct	
McCoy Lateral G	E	0.2	SW	Mar-Oct	
McGilvary Lateral	C	2.9	SW,GW	Mar-Oct	
McGilvary Lateral A	P	0.2	SW,GW	Mar-Oct	
McGilvary Lateral B	P	0.6	SW	Mar-Oct	
McSwain Lateral	EC	3.1	SW	Mar-Oct	
McSwain Lateral A	E	0.7	SW	Mar-Oct	
Meadowbrook Lateral	E	1.5	SW,GW	Mar-Oct	
Merced Lateral	ECP	10.0	SW	Mar-Oct	
Merced Lateral A	EP	2.7	SW	Mar-Oct	
Merced Lateral A-A	E	0.1	SW	Mar-Oct	
Merced Lateral A-2	E	0.6	SW	Mar-Oct	
Merced Lateral B	EP	0.6	SW	Mar-Oct	
Merced Lateral C	P	1.1	SW	Mar-Oct	
Merced Lateral D	E	0.1	SW	Mar-Oct	
Merced Lateral F	EP	0.5	SW	Mar-Oct	
Middle Dallas Lateral	EP	5.4	SW,GW	Mar-Oct	
Middle Dallas Lateral B	ECP	1.5	SW	Mar-Oct	
Middle Dallas Lateral B-1	EP	0.9	SW	Mar-Oct	
Middle Dallas Lateral C	EC	0.7	SW	Mar-Oct	
Middle Dallas Lateral D	E	0.3	SW	Mar-Oct	
Middle Dallas Lateral D-1	E	0.3	SW	Mar-Oct	
Middle Dallas Lateral E	E	0.3	SW	Mar-Oct	
Middle Lateral	ECP	3.4	SW,GW	Mar-Oct	
Middle Lateral B	ECP	1.5	SW	Mar-Oct	
Middle Lateral B-1	P	0.1	SW,GW	Mar-Oct	
Minge Lateral	E	0.5	SW	Mar-Oct	
Mitchell Lateral	P	1.5	SW	Mar-Oct	
Moreley Lateral	EP	1.0	SW	Mar-Oct	
Nealon Lateral	E	1.6	SW	Mar-Oct	
1900 Lateral	C	1.7	SW,GW	Mar-Oct	
1900 Lateral A	EP	0.5	SW	Mar-Oct	
North Bloom Lateral	EC	2.5	SW,GW	Mar-Oct	
North Bloom Lateral A	C	0.1	SW	Mar-Oct	
North Bloom Lateral B	E	0.1	SW	Mar-Oct	
Northside Canal	EP	20.0	SW	Mar-Oct	
Northside Canal Lateral A	E	0.7	SW	Mar-Oct	
Northside Canal Lateral D	E	0.7	SW	Mar-Oct	
Northside Canal Lateral E	P	0.2	SW	Mar-Oct	
Northside Canal Lateral F	E	0.2	SW	Mar-Oct	
Northside Canal Lateral G	E	0.3	SW	Mar-Oct	
Northside Canal Lateral H	E	1.1	SW	Mar-Oct	
Northside Canal Lateral I	E	0.4	SW	Mar-Oct	
Northside Canal Lateral J	E	0.7	SW	Mar-Oct	
O'Donnell Lateral	E	6.4	SW,GW	Mar-Oct	
O'Donnell Lateral A	E	1.0	SW	Mar-Oct	
O'Donnell Lateral B	E	0.8	SW	Mar-Oct	
O'Donnell Lateral C	E	0.7	SW	Mar-Oct	
Pachaud Lateral	EP	2.0	SW	Mar-Oct	
Pachaud Lateral A	P	0.7	SW,GW	Mar-Oct	
Parker Lateral	EP	2.1	SW,GW	Mar-Oct	
Parker Lateral A	EP	2.1	SW	Mar-Oct	
Parker Lateral B	E	0.3	SW	Mar-Oct	
Parr Lateral	CP	1.8	SW,GW	Mar-Oct	
Parriera Drain	E	1.0	SW	Mar-Oct	
Pilger Lateral	E	2.0	SW	Mar-Oct	
Pilger Lateral A	E	0.5	SW	Mar-Oct	

Table 35B-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Merced ID, cont'd					
Pilger Lateral B	E	1.0	SW	Mar-Oct	
Plainsburg Lateral	EC	4.0	SW	Mar-Oct	
Plainsburg Lateral A	P	0.2	SW	Mar-Oct	
Planada Canal	E	9.3	SW	Mar-Oct	
Planada Canal Lateral A	EP	0.5	SW	Mar-Oct	
Planada Canal Lateral B	EP	2.8	SW	Mar-Oct	
Pohlie Lateral	CP	1.3	SW,GW	Mar-Oct	
Robinson Lateral	EP	2.0	SW	Mar-Oct	
Robinson Lateral A	E	1.0	SW	Mar-Oct	
Rotterdam Lateral	E	1.4	SW	Mar-Oct	
Rotterdam Lateral A	EP	0.7	SW,GW	Mar-Oct	
Russell Lateral	E	4.5	SW,GW	Mar-Oct	
Russell Lateral A	P	0.7	SW,GW	Mar-Oct	
Savanna Lateral	EP	2.0	SW	Mar-Oct	
Savanna Lateral A	E	0.4	SW	Mar-Oct	
Sells Lateral	EP	7.9	SW	Mar-Oct	
Sells Lateral A	E	0.4	SW	Mar-Oct	
Sells Lateral B	E	0.2	SW	Mar-Oct	
Sells Lateral C	E	12.6	SW	Mar-Oct	
Sells Lateral CC	E	0.5	SW	Mar-Oct	
Sells Lateral C-1	E	0.7	SW	Mar-Oct	
Sells Lateral D	E	1.0	SW	Mar-Oct	
Sells Lateral E	E	1.6	SW	Mar-Oct	
Shaffer Pipeline Lateral	P	1.3	SW	Mar-Oct	
Shaffer Pipeline Lateral A	P	0.6	SW	Mar-Oct	
Sharon Lateral	E	3.5	SW	Mar-Oct	
South Bloom Lateral	P	1.2	SW,GW	Mar-Oct	
Spilker Lateral	E	2.0	SW,GW	Mar-Oct	
Sproul Lateral	EP	1.6	SW	Mar-Oct	
Sproul Lateral A	E	0.3	SW	Mar-Oct	
Sproul Lateral B	E	0.3	SW	Mar-Oct	
Steiner Lateral	E	2.8	SW	Mar-Oct	
Steiner Lateral A	E	1.0	SW	Mar-Oct	
Steiner Lateral B	E	0.5	SW	Mar-Oct	
Stickney Lateral	E	1.7	SW	Mar-Oct	
Stoddard Lateral	E	0.4	SW	Mar-Oct	
Swenson Lateral	CP	1.4	SW	Mar-Oct	
Swenson Lateral A	CP	0.4	SW,GW	Mar-Oct	
Tetzlatt Lateral	E	2.2	SW	Mar-Oct	
Thornton Lateral	E	0.6	SW,GW	Mar-Oct	
Tin Flume Latral	CP	4.4	SW,GW	Mar-Oct	
Tin Flume Lateral B	EP	0.6	SW	Mar-Oct	
Titus Lateral	P	1.6	SW	Mar-Oct	
Titus Lateral B	E	0.2	SW	Mar-Oct	
Tower Lateral	E	4.3	SW	Mar-Oct	
Tower Lateral A	E	0.2	SW	Mar-Oct	
Tower Lateral B	E	0.7	SW	Mar-Oct	
Tower Lateral C	E	0.5	SW	Mar-Oct	
Tower Lateral D	E	0.3	SW	Mar-Oct	
Tuttle Lateral	ECP	4.4	SW	Mar-Oct	
Tuttle Lateral A	EP	0.8	SW	Mar-Oct	
Tuttle Lateral C	EC	0.9	SW	Mar-Oct	
Tuttle Lateral C-1	P	0.1	SW	Mar-Oct	
Upper Dallas Lateral	EP	1.4	SW,GW	Mar-Oct	
Upper Dallas Lateral A	C	0.7	SW	Mar-Oct	
Upper Dallas Lateral B	E	0.3	SW	Mar-Oct	
Upper Dallas Lateral C	E	1.7	SW,GW	Mar-Oct	
Upper Golf Lateral	EP	1.2	SW	Mar-Oct	
Vaughn Lateral	EC	6.0	SW,GW	Mar-Oct	
Vaughn Lateral A	ECP	1.1	SW	Mar-Oct	
Vaughn Lateral B	EP	1.0	SW	Mar-Oct	
Vaughn Lateral C	E	0.8	SW	Mar-Oct	
Vaughn Lateral C-1	EP	0.2	SW	Mar-Oct	
Vaughn Lateral D	E	0.4	SW	Mar-Oct	

Table 35B-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Merced ID, cont'd					
Wakefield Lateral	CP	3.9	SW,GW	Mar-Oct	
Wakefield Lateral A	P	0.2	SW,GW	Mar-Oct	
Wakefield Lateral AA	P	0.4	SW	Mar-Oct	
Wakefield Lateral B	P	0.3	SW	Mar-Oct	
Ward Canal	E	7.2	SW,GW	Mar-Oct	
Ward Canal Lateral B	E	0.6	SW	Mar-Oct	
Ward Canal Lateral D	E	0.2	SW	Mar-Oct	
Ward Canal Lateral D-1	EC	0.2	SW	Mar-Oct	
Washington Lateral	EP	2.3	SW	Mar-Oct	
Washington Lateral A	EP	0.9	SW	Mar-Oct	
Washington Lateral B	E	0.2	SW	Mar-Oct	
Watson Lateral	ECP	1.7	SW,GW	Mar-Oct	
Watson Lateral A	P	0.1	SW	Mar-Oct	
West Buhach Lateral	ECP	4.5	SW,GW	Mar-Oct	
Whitmer Lateral	CP	1.3	SW,GW	Mar-Oct	
Winton Lateral	CP	1.1	SW,GW	Mar-Oct	
Winton Lateral B	E	0.1	SW	Mar-Oct	
Yosemite Lateral	EP	3.2	SW,GW	Mar-Oct	
Yosemite Lateral A	E	0.7	SW	Mar-Oct	
Yosemite Lateral A-A	P	0.2	SW	Mar-Oct	
Yosemite Lateral B	P	1.0	SW	Mar-Oct	
Zenter Lateral	EC	3.7	SW,GW	Mar-Oct	
Zenter Lateral A	ECP	1.8	SW,GW	Mar-Oct	
La Branza WD					
Main Canal	E	1.2	SW,OP	Mar-Oct	
Lateral 2	E	4.0	SW,OP	Mar-Oct	
Lateral 2A	E	2.3	SW,OP	Mar-Oct	
Lateral 3	E	7.6	SW,OP	Mar-Oct	
Lateral 3A	E	2.0	SW,OP	Mar-Oct	
Lateral 3B	E	1.5	SW,OP	Mar-Oct	
Lateral 4	E	8.8	SW,OP	Mar-Oct	
Lateral 4B	E	0.5	SW,OP	Mar-Oct	
Lateral 4C	E	1.0	SW,OP	Mar-Oct	
El Nido ID					
North Lateral	E	6.0	SW,OP	Mar-Oct	
Central Lateral	E	5.5	SW,OP	Mar-Oct	
South Lateral	E	1.8	SW,OP	Mar-Oct	
El Nido Canal	E	10.5	SW,OP	Mar-Oct	

TABLE 35B - C3

RECONSTRUCTED NATURAL CHANNELS WITHIN DRAINAGE BASIN 35B DOMINATED BY AGRICULTURAL RETURN FLOWS OR AGRICULTURAL SUPPLY WATER

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Mariposa Slough	E	6.3	6154	Tail, Tile, GW	Feb-Dec	1,2,6
North Slough	E	1		Tail	Feb-Dec	1,2,6
Miles Creek (Downstream of Puglizevich Dam)	E	5.6		Tail, OP	Feb-Dec	1,6
Deadman Creek (Upstream of the El Nido Canal)	E	11		Tail, OP, Merced River	Feb-Dec	1,6
Turner Slough	E	3		Tail	Feb-Dec	1,6
Sand Slough	E	1.5		*SJR, Delta	Feb-Oct	
Deep Slough	E	1.4		Tail	Feb-Oct	
Chamberlain Slough	E	3.2			Feb-Oct	

*SJR = San Joaquin River

DRAINAGE BASIN 40

Drainage Basin 40 encompasses the valley floor portion of the San Joaquin Valley that lies west of the San Joaquin River, south of Clifton Court Forebay, the Old River, and Paradise Cut and north of the Newman Wasteway. Natural waterways in the northernmost portion of this basin consist of the former meandering sloughs of the San Joaquin River as the River flowed into the low-lying delta area. Further south, most streams are ephemeral, historically carrying flood flows from the coastal range to the valley floor. Few of these streams ever reached the main channel of the San Joaquin River except during the most severe flood events.

With the advent of agricultural production along the valley floor, lands were extensively releveled with many of the stream channels disappearing into constructed supply and drainage facilities. One such channel is Lone Tree Creek which carries storm runoff from the Coast Range to the valley floor. The creek passes through a box culvert over the Delta Mendota Canal and immediately disperses into constructed agricultural facilities. Lower reaches of the remaining streams are now dominated by agricultural return flows between March and October each year.

Reuse of agricultural return flows is very common within this basin. Many of the irrigation supply laterals also serve as drainage collectors, thereby allowing blended recycling of tailwater flows. Reuse occurs extensively as flows travel west to east between the Delta Mendota Canal and the San Joaquin River.

Agricultural areas within the Basin encompass approximately 131,000 acres and cover all or portions of the following water, irrigation, reclamation and drainage agencies:

- West Stanislaus Irrigation District
- Kasson Reclamation District #2085
- New Jerusalem Drainage District
- Banta-Carbona Irrigation District
- Patterson Water District
- Newman Drainage District
- Hospital Water District
- Naglee Burk Irrigation District
- Paradise Mutual Water Company
- Pescadero Reclamation District 2058
- El Solyo Water District
- Kern Canon Water District
- Salado Water District
- Sunflower Water District
- Orestimba Water District
- Oak Flat Water District
- Foothill Water District
- Davis Water District
- Central California Irrigation District
- Reclamation District 1602
- Reclamation District 2099
- Reclamation District 2101
- Reclamation District 2102
- Westside Irrigation District
- Byron-Bethany Irrigation District

These agencies have authority over water supply and drainage within their boundaries. Based on the information provided by these agencies on water bodies within their boundaries, portions of nine natural streams have been designated as being agriculturally dominated. These water bodies are:

- Orestimba Creek
- Del Puerto Creek
- Tom Payne Slough
- Corral Hollow Creek
- Old San Joaquin River Channel at Laird Slough
- Ingram Creek
- Hospital Creek
- Salado Creek
- Mountain House Creek

The agriculturally dominated reaches are listed in Tables 40-B1 and 40-C3 and described in more detail below. In addition, constructed agricultural drains and supply canals are listed in Tables 40-C1 and 40-C2, respectively. Paradise Cut and Old River are discussed separately as part of the Delta although each receives agricultural return flows from the this basin.

CATEGORY B1 WATER BODIES

ORESTIMBA CREEK: Orestimba Creek is an ephemeral stream within the agricultural portion of the San Joaquin Valley. This stream originates in the Coast Range with flows that only reach the San Joaquin River during the winter runoff period. A recent analysis of a 59-year record shows that flow is rarely seen during the months of May through November with none of these flows reaching the San Joaquin River (Westcot, *et al.*, 1991). No flow has been shown in the months of July through October. Orestimba Creek can carry significant storm flows during the winter months. Because of these heavy flows, Orestimba Creek has a well-defined flow channel in the agricultural area of the valley floor. The portion upstream of the valley floor (Eastin Road undercrossing) is a natural unaltered ephemeral channel. Downstream of this point, the entire portion is dominated by agricultural return flows. The return flows consist of tailwater discharges and operational spills from the Central California Irrigation District Main Canal. Except during very wet winter months, the flow in this portion of the stream is exclusively agricultural return flows.

OLD SAN JOAQUIN RIVER CHANNEL AT LAIRD SLOUGH: The River Channel at Laird Slough consists of an old segment of the San Joaquin River located near Laird Park which no longer receives natural flow as a result of a flood in 1969, which rerouted the San Joaquin River. The original channel at Laird Park now serves to collect and carry only agricultural drainage water. The return flows in this waterway drain into the San Joaquin River.

DRAINAGE BASIN 40

DEL PUERTO CREEK: Del Puerto Creek originates in the Coast Range and had a well-defined natural flow channel all the way to the San Joaquin River. Upstream of the California Aqueduct, natural runoff occurs from November to July and consists of storm runoff, ground water seepage, and natural springs (Westcot, *et al.*, 1991). Downstream of the aqueduct, the Creek is normally dry but dominated by agricultural return flows from April through September. Return flows may also dominate the downstream reach of the Creek during the remaining months, especially during dry and critical years, and as more winter crops are developed in the region.

TOM PAYNE SLOUGH: Tom Payne Slough is a natural flood channel of the San Joaquin River. River and agricultural development has cut off the Slough from the San Joaquin River. Flow in the Slough is now from the Delta and return flows entering the Slough. The Slough, from its origin near the San Joaquin River to the tide gates at Sugar Cut, is dominated by agricultural activities and return flows. The portion downstream of the tide gates is a natural channel, but flow and quality are affected by NPDES discharges near Sugar Cut. These discharges also affect the quality in Tom Payne Slough during high tide periods as water flows into the Slough.

MOUNTAIN HOUSE CREEK (Final 3.5 miles): An ephemeral stream which drains the eastern slope of the Altamont Pass in the Coast Range, Mountain House Creek rarely contains natural flows for more than three months each year. The final 3.5 mile reach is dominated by agricultural return flows during the irrigation season (March to November) which discharges into the Old River.

CATEGORY C3 WATER BODIES

CORRAL HOLLOW CREEK (East of the Delta Mendota Canal): Corral Hollow Creek carries storm runoff from the Coast Range to the valley floor. Historically, flows from the creek only reached the San Joaquin River during the most severe winter flooding. During agricultural development, the lower reaches of the creek were extensively releveled to the point that the natural channel disappeared into constructed supply and drainage laterals. East of the Delta Mendota Canal, only two and a half miles of the original channel remain although this reach has been extensively reconstructed to facilitate drainage flows.

DRAINAGE BASIN 40

INGRAM CREEK: Ingram Creek is an ephemeral stream originating in the Coast Range. Upstream of Interstate 5, Ingram Creek carries natural runoff 2-3 months of the year. Downstream of I-5, natural water flows in the creek only during extreme flood periods. This portion of the creek, which formerly was a dry wash, has been straightened and channelized, carrying only agricultural return flow during the irrigation season. This channel is an open waterway, combining with agricultural drain water from Hospital Creek prior to its discharge into the San Joaquin River.

HOSPITAL CREEK: Hospital Creek, like several other waterways in this study area, is an ephemeral stream originating in the Coast Range. Like Ingram Creek, the portion of this Creek lying within the agricultural region has been significantly reconstructed for the purpose of conveying agricultural return flows. Except during severe flood events, flows draining into the San Joaquin River from this Creek consist entirely of agricultural tailwater. The channel has been straightened carrying tailwater both in open and piped drains prior to its confluence with Ingram Creek and outflow to the San Joaquin River.

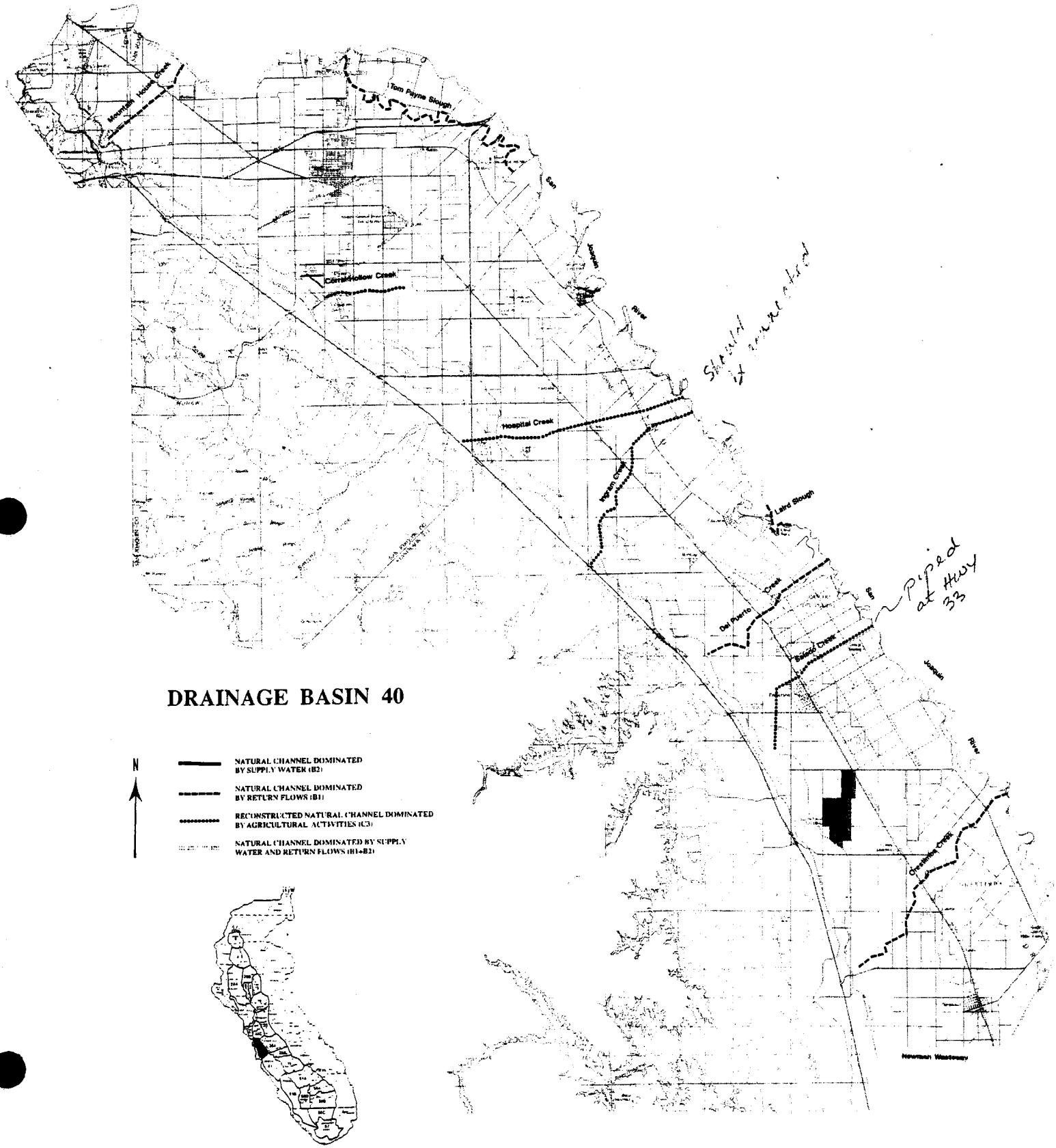
SALADO CREEK: Salado Creek is an ephemeral stream originating in the Coast Range whose flows only reach the San Joaquin River during high flood periods. Natural runoff occurs for 2-3 months of the year upstream of power lines which transverse the creek approximately 1½ miles upstream of Interstate Highway 5. Downstream of the power lines, the creek channel is dominated by agricultural return flows from March to November. Downstream of the Delta Mendota Canal, the flood channel has been extensively reworked; now it can be considered a constructed channel carrying only agricultural return flow.

Piped East of Hwy 33

Also also Carries Urban Flow.

REFERENCES

Westcot, D.W., Enos, C.A., and Lowry, P.A., 1991. *Preliminary Estimate of Salt and Trace Element Loading to the San Joaquin River by Ephemeral Streams Draining the Eastern Slope of the Coast Range (Diablo Range).* Central Valley Regional Water Quality Control Board. 188 pp.



DRAINAGE BASIN 40

TABLE 40 - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 40
DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
San Joaquin River (Mendota Pool to Stevinson)	71.9		Delta	Apr-Sep	

TABLE 40 - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 40
DOMINATED BY AGRICULTURAL RETURN FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Orestimba Creek	5		Tail, OP		1,6
Del Puerto Creek	5.5		Tail	Apr - Sep	1,6
SJR @ Laird Slough	5.3		Tail		1
Tom Payne Slough	13		Tail, Delta		
Mountainhouse Creek	3.5		Tail	Mar-Nov	
San Joaquin River (Stevinson to Merced)	6.8		Tail	Jan-Dec	1,2,3,4,6

TABLE 40 - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 40

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Line A	P	3.0		Tile	Jan - Dec	2,3
Line I	P	7.5		Tile	Jan - Dec	2,3
Vernalis Drain	E	4.0	3,648	Tail	Jan - Nov	1,6
Critchett Drain	E	1.0	570	Tail	Apr - Oct	1
Drain 1	P	2.5	397	Tail, Tile	Mar - Oct	
Drain 2	E	0.5	1,164	Tail, Tile	Mar - Oct	
Fruit Drain	P			Tail		
Magnolia Drain	P		530	Tail		
Lemon Drain	P			Tail		
Eucalyptus Drain	P			Tail		
Olive Drain	P		4,840	Tail	Jan - Dec	
Patterson Main Drain	P,C		3,780	Tail, Tile		
Almond Drain	E			Tail		
Pomegranate Drain	E			Tail, Tile		
Apricot Drain	E			Tail		
Marshall Drain	P		9,400	Tail		
Spanish Grant Drain	P	12.3	4,000	Tail, Tile	Jan - Dec	1
Crow Creek Drain	P			Tail	Jan - Dec	1
Westside Drain				Tail, Tile		
Sugar Cut Drain				Tail, Tile		
PESCA - A	E	2.5		U, Tail	Jan - Dec	2
PESCA - B	E			U, Tail	Jan - Dec	2
PESCA - C	E	2.0		U, Tail	Jan - Dec	2
PESCA - D	E	2.5		U, Tail	Jan - Dec	2
PESCA - E	E	1.0		U, Tail, Tile	Jan - Dec	2
PESCA - F	E	2.5		U, Tail, Tile	Jan - Dec	2
PESCA - G	E			U, Tail	Jan - Dec	2
PESCA - H	E	3.5		U, Tail	Jan - Dec	2
PESCA - I	E			U	Jan - Dec	2
PMWC - Drain 1	EP	1.4		U, Tail	Jan - Dec	
PMWC - Drain 2	EP	2.0		U, Tail, Tile	Jan - Dec	
NBID - Drain	EP	13.5	3,000	Tail, Tile	Jan - Dec	2
Durham Ferry Drain	E		977+	Tail	Jan - Dec	1
Greenwood Road Drain	P		968+	Tail, Tile	Jan - Dec	1
Kellner Drain				Tail	Jan - Dec	1
Minnie Road Drain	P		1,030+	Tail	Jan - Dec	1
Grayson Drain	P		2,200+	Tail	Jan - Dec	1
Westly Wasteway	C		1,133+	Tail, DMC	Jan - Dec	1
Del Mar Drain	P		943+	OP	Jan - Dec	1
Houk Drain	EP		475+	OP	Jan - Dec	1

TABLE 40 - C2

CONSTRUCTED AGRICULTURAL SUPPLY CANALS WITHIN DRAINAGE BASIN 40

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Banta Carbona Intake	E	1.3	*SJR	Jan - Nov	2
Bantal Barbona Lift	C	5.3	SJR, *DMC	Jan - Nov	2
1 North	E	1.0	SJR	Jan - Nov	2
1 South	E	1.2	SJR	Jan - Nov	2
3 West	CP	3.6	SJR, DMC	Jan - Nov	2
4 West	CP	2.4	SJR, DMC	Jan - Nov	2
5 West	CEP	5.9	SJR, DMC	Jan - Nov	2
5 East	CP	1.9	SJR, DMC	Jan - Nov	2
6 West	CP	5.2	SJR, DMC	Jan - Nov	2
6 West	CEP	2.2	SJR, DMC	Jan - Nov	2
El Solyo Main	PE	3.0	SJR	Mar - Nov	1
Ditch 1	E	2.0	SJR	Mar - Nov	1
Ditch 2	PE	2.3	SJR	Mar - Nov	1
Ditch 3	E	2.0	SJR	Mar - Nov	1
Ditch 4	E	2.3	SJR	Mar - Nov	1
Ditch 5	PE	2.0	SJR	Mar - Nov	1
Ditch 6	E	2.0	SJR	Mar - Nov	1
Patterson Main Canal	C		SJR	Mar - Nov	1,2
LAT A(1-N)	CE	4.3	DMC, SJR, Tail		1,2
LAT B(2-N)	C	4.5	DMC, SJR, Tail		1,2
LAT C(2-N)	C	4.8	DMC, SJR, Tail		1,2
LAT D(4-N)	C	4.9	DMC, SJR, Tail		1,2
LAT E(5-N)	P	0.5	DMC, SJR, Tail		1,2
LAT F(F-1)	C	0.8	DMC, SJR, Tail		1,2
LAT G(1-S)	CE	1.6	DMC, SJR, Tail		1,2
LAT H(2-S)	CE	4.9	DMC, SJR, Tail		1,2
LAT I(3-S)	C	4.8	DMC, SJR, Tail		1,2
LAT J(4-S)	CE	2.5	DMC, SJR, Tail		1,2
LAT K(5-S)	C	1.9	DMC, SJR, Tail		1,2
LAT M	C	6.9	DMC, SJR, Tail		1,2
CCID Main Canal	E	70.9	DMC, SJR, Tail, GW		
Sullivan Extension	E	5.1	DMC, SJR, Tail, GW		
Westside Upper Main Canal	ECP		DMC, Tail	Mar - Oct	
Westside Lower Main Canal	ECP		SJR, Tail	Mar - Oct	
PESCA - 1	C	1.5	NF, Tail	Jan - Dec	2
PESCA - 2	P	2.0	NF, Tail	Jan - Dec	2
PESCA - 3	EP	3.5	NF, Tail	Jan - Dec	2
PESCA - 4	P	1.0	NF, Tail	Jan - Dec	2
PESCA - 5	E	0.5	NF, Tail	Jan - Dec	2
PESCA - 6	C	2.5	NF, Tail	Jan - Dec	2
PESCA - 7	C	1.0	NF, Tail	Jan - Dec	2
PESCA - 8	EP	2.0	NF, Tail	Jan - Dec	2
PESCA - 9	EP	2.5	NF, Tail	Jan - Dec	2
Paradise Cut Irrigation Reservoir	E	1.0	SJR	Jan - Dec	8
PMWC - Ditch 1	PE	1.0	SJR	Jan - Dec	
PMWC - Ditch 2	PE	1.0	SJR	Jan - Dec	
NBID - 1	EPC	2.5	Old River	Jan - Dec	2
NBID - 1A	EPC	1.3	Old River	Jan - Dec	2
NBID - 1B	EPC	0.8	Old River	Jan - Dec	2
NBID - 2	EPC	6.0	Old River	Jan - Dec	2
NBID - 3	EPC	1.5	Old River	Jan - Dec	2
WS Main Canal	C		SJR, DMC	Jan - Dec	1
River Road Canal (Lat. 1 North)	C		SJR, DMC	Jan - Dec	1
Lateral 2 North	P		SJR, DMC	Jan - Dec	1
Lateral 2 South	EC		SJR, DMC	Jan - Dec	1
Lateral 3 North	C		SJR, DMC	Jan - Dec	1
Lateral 3 South	C		SJR, DMC	Jan - Dec	1
Lateral 4 North	C		SJR, DMC	Jan - Dec	1
Lateral 4 South	C		SJR, DMC	Jan - Dec	1
Lateral 5 North	C		SJR, DMC	Jan - Dec	1
Lateral 5 South	C		SJR, DMC	Jan - Dec	1
Lateral 6 North	CE		SJR, DMC	Jan - Dec	1
Lateral 6 South	CE		SJR, DMC	Jan - Dec	1

*SJR = San Joaquin River

*DMC = Delta Mendota Canal

DRAINAGE BASIN 41

Drainage Basin 41 consists of the valley floor portion of Merced and Northern Fresno Counties west of the San Joaquin River. Natural streams in the area are ephemeral and carry flood flows from the Coast Range, east to the valley floor. Downstream of Hwy 5, the majority of these streams have been extensively modified to support agricultural irrigation and drainage and no longer have defined channels.

The basin covers all or portions of the following water, irrigation and drainage agencies:

Central California Irrigation District
Mustang Water District
Quinto Water District
Romero Water District
Centinella Water District
Mercy Springs Water District
Eagle Field Water District
Pacheco Water District
Oro Loma Water District
San Luis Water District
Broadview Water District
Panoche Water and Drainage District
Firebaugh Canal Water District
Grassland Water District
San Luis Canal Company
Poso Canal Company
Charleston Drainage District
Gustine Drainage District
Widren Water District
Dos Palos Drainage District

These 21 agencies, which cover 445,000 acres, have authority over water supply and drainage within their boundaries.

Based on information from the above agencies, seven natural streams within this Basin do continue to the San Joaquin River in slightly modified versions of their original channels. These water bodies are dominated or consist entirely of agricultural drainage or supply water during the irrigation season (April through October). The natural streams include:

Los Banos Creek
San Luis Creek
Garzas Creek
Santa Rita Slough
Salt Slough,
Mud Slough (north)
Mud Slough (south)

Los Banos, San Luis and Garzas Creeks (ephemeral streams) are dry in reaches not being used for agricultural irrigation or drainage. Santa Rita Slough has been extensively reconstructed and is dominated by agricultural activities except during flood flows. The remaining streams carry seepage year round but are

dominated by agricultural discharges between March and October. In addition, portions of many of the channels are used to supply water to wetland habitat between September and November and receive water released from wetlands between March and May.

Specific details on each agriculturally dominated reach for each water body is listed in Tables 41-B1, 41-B2, and 41-C3. These channels are further described below. In addition, constructed agricultural drains and supply canals are listed in Tables 41-C1 and 41-C2, respectively.

CATEGORY B1 WATER BODIES

LOS BANOS CREEK: The portion of Los Banos Creek downstream of Hwy 5 is a small ephemeral stream which has no flow except during the irrigation season (March to October). Flows in this creek are dominated by agricultural supply water from the DMC, tail water, urban storm runoff, and tile drainage water. This portion of Los Banos Creek has no natural flow due to the retention dam upstream. The creek channel has been modified to carry agricultural water through the Grassland Water District. Downstream of Mosquito Ditch, the channel is dominated by agricultural return flows.

SAN LUIS CREEK: San Luis Creek was cut off from its natural water source with the advent of the San Luis Reservoir and Volta Spillway. The portion of the historic channel which fell between the Reservoir and Hwy 5 no longer exists due to extensive land leveling for agriculture. The remaining eight miles of channel, from Hwy 5 to Los Banos Creek, at times carries intermittent agricultural return flows from adjacent lands.

GARZAS CREEK: Garzas Creek is a small ephemeral stream with no continuous flow downstream of Hwy 5 except during the irrigation season (March to October). During this time, flows in the downstream portion of Garzas Creek are dominated by agricultural supply water from the DMC, urban storm runoff, and agricultural return flows. The creek channel has been modified to carry water through the Grassland Water District. Without agricultural activity, this creek has no natural flow during eight months of the year. The final four miles of the creek receives a combination of agricultural supply and drainage between March and October. The flows are intermittent and either source may dominate the creek's water quality during the irrigation season.

SALT SLOUGH: Salt Slough is a perennial stream dominated by agricultural drainage water. The slough originates at San Dam near the confluence of Salt Slough Ditch and West Delta Drain and continues ten miles until discharging into the San Joaquin River, 3.5 miles downstream of Fremont Ford State Park. The majority of its flow originates in the San Luis

Canal Company Water District. Discharges also enter Salt Slough from Central California Irrigation District, Poso Canal Company and the Grassland Water District. During the winter and early spring, flows in Salt Slough are primarily seepage, subsurface agricultural drainage water and storm runoff. For a short period of time during spring, the flow is dominated by water being released from surrounding wetlands. During the summer and fall, the flows are dominated by agricultural tail water, subsurface drainage and spill water.

MUD SLOUGH (South): Mud Slough (south) is a perennial stream which is dominated by surface and subsurface agricultural drainage water, as well as irrigation spill water. Mud Slough (south) is used to convey these flows to Salt Sough. The most southern portion of the Slough has been deepened and receives drainage year round from Camp 13 Ditch and Gadwall Canal. Mud Slough (south), from Mud Slough Bypass to Henry Miller Road, is used primarily to convey surface drainage and subsurface seepage from pasture land and duck ponds. The northern section of Mud Slough (south) from Henry Miller Road to Salt Slough lies within the boundary of the Los Banos State Waterfowl Management Area and is used primarily to carry agricultural drainage from San Luis Canal and City Ditch.

MUD SLOUGH (North): Mud Slough (north) is a small perennial slough dominated by agricultural drainage water. Some of the perennial flow is due to seepage from surrounding agricultural lands. Additional flows consist of discharges from Kesterson Ditch, Fremont Canal, Santa Fe Canal and Los Banos Creek. During the winter and early spring, Mud Slough (north) carries primarily seepage, subsurface agricultural drainage and storm runoff. For a short period during spring, flow is dominated by releases from surrounding duck ponds. During the summer and fall, flows in Mud Slough (north) consist mainly of agricultural tail water, spill water, and subsurface agricultural drainage.

CATEGORY B2 WATER BODIES

LOS BANOS CREEK (Between the Main Canal and San Luis Spillway): Although the majority of Los Banos Creek receives a combination of flows, a small reach is utilized specifically to transport supply water. The supply water is diverted into the creek at the Main Canal near Los Banos and diverted into the San Luis Spillway 1.5 miles downstream. The channel then remains dry for 3.5 miles until a diversion from Mosquito Ditch.

GARZAS CREEK: The five-mile reach of Garzas Creek upstream of Los Banos Creek is used to transport supply water for both agricultural and wetland habitat use between January and October. Natural flood flows only occur in this reach of the creek for approximately four months each year.

CATEGORY C3 WATER BODIES

SANTA RITA SLOUGH: A former overflow channel for the San Joaquin River, Santa Rita Slough now only carries flood flows and has been extensively modified to enhance its use as an agricultural supply and drainage channel. The seven mile channel carries supply and return flows from approximately the Merced-Fresno County line to its discharge into Salt Slough Ditch during the irrigation season (March to October).

TABLE 41 - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 41
DOMINATED BY AGRICULTURAL RETURN FLOWS

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Mud Slough (South)	E	3.1		WT, Tail	Mar - Oct	1, 2, 3, 4
Los Banos Creek	E	11.7		Tail, Tile	Jan - Dec	1, 2, 3, 10
Garzas Creek	E	0.9		Tail, U	Jan - Dec	1, 2
Mud Slough (North)	E	5.1		Tail, Tile, WT, U	Mar - Apr	1, 2, 3, 4, 10
Salt Slough	E	10		Tail	Jan - Dec	1,4,6,
San Luis Creek	E	8		Tail	Mar - Oct	1
San Joaquin River (Merced River to Stanislaus River)	E	34.8		Tail	Feb-Nov	1,2,3,4,6

TABLE 41 - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 41
DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Los Banos Creek	E	12.3	*DMC,Tail,Tile,NF,WW,U	Jan - Dec	1
Garzas Creek	E	4	DMC, Tail, U	Jan - Dec	1

*DMC = Delta Mendota Canal

TABLE 41 - C1

CONSTRUCTED AGRICUTURAL DRAINS WITHIN DRAINAGE BASIN 41

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Poso Canal Company						
Poso Slough Drain	E	8.5	10374	Tail	Jan - Dec	1
Poso Drain No. 1	E	4.6	3332	Tail	Jan - Nov	1
Poso Drain No. 2	E	2.2	1615	Tail	Jan - Nov	1
Poso Drain No. 3	E	2.3	1650	Tail	Jan - Nov	1
Silaxo Drain	E	10.5	11221	Tail	Jan - Nov	1
Silaxo Drain No. 1	E	3.0	2172	Tail	Jan - Nov	1
Holland Drain	E	9.0	7662	Tail	Jan - Nov	1
Helm Ranch Drain	E	4.5	3255	Tail	Jan - Nov	1
San Juan Drain	E	6.5	4707	Tail	Jan - Nov	1
Sta. Rita Drain #1	E	3.4	2477	Tail	Jan - Nov	1
Wood Slough Drain	E	5.9	4288	Tail	Jan - Nov	1
Island Field Drain	E	6.0	3470	Tail	Jan - Nov	1
Rice Drain	E	8.7	10000	Tail, Tile	Jan - Nov	2, 3
Central California ID						
Spanish Grant Drain	CP	12.3	4000	Tail, Tile	Jan - Dec	1
Crow Creek Drain	CP			Tail	Jan - Dec	1
Woods Drain	E		1713	Tail	Feb - Oct	
Avelar Drain	E		956	Tail, Tile	Jan - Dec	
Rodoni Drain	E		1513	Tail, Tile	Jan - Dec	2, 3
Main Canal Drain	E		2080	Tail, Tile	Jan - Dec	1, 2, 3
Fiahlo Drain	E			Tail, Tile	Jan - Dec	2, 3
Old Main Drain	E			Tail, Tile	Jan - Dec	2, 3, 4
Des Jardins Drain	E			Tail, Tile	Jan - Dec	2, 3, 4
Firebaugh Drain	E			Tail, Tile	Jan - Dec	2, 3, 4
Redfern Drain	E			Tail, Tile	Jan - Dec	2, 3
Shain Drain	E			Tail	Jan - Dec	
Johnson Field Drain	E			Tail	Feb - Oct	
Cotton Field Drain	E			Tail	Feb - Oct	
O'Banion Drain	E			Tail	Feb - Oct	
Firebaugh Canal WD						
Parallel #2		15.0		Tail, Tile	Jan - Dec	
Parallel #1		8.0		Tail, Tile	Jan - Dec	
Parallel San Luis Drain		4.0		Tail, Tile	Jan - Dec	
Main Drain		8.0		Tail, Tile	Jan - Dec	
Charleston DD						
DMC Drain	E	2.3		Tail, Tile	Jan - Dec	1, 3, 4, 5
Woo Road Drain	E	1.4		Tail, Tile	Jan - Dec	1, 3, 4, 5
Sec 31 Drain	C	0.6		Tail, Tile	Jan - Dec	1, 3, 4, 5
Outside Canal Drain	E	2.9		Tail, Tile	Jan - Dec	1, 3, 4, 5
Sec 32 Drain	C	0.3		Tail, Tile	Jan - Dec	1, 3, 4, 5
Sec 33 Drain	P	0.6		Tail, Tile	Jan - Dec	1, 3, 4, 5
Charleston Drain	E	4.1		Tail, Tile	Jan - Dec	1, 3, 4, 5
San Luis Canal Co.						
Areias Drain	E	0.5		Tail	Feb - Oct	2, 3
Auxilary Drain	E	1.2		Tail	Feb - Oct	2, 3
Azevedo Drain	E	1.2		Tail	Jan - Dec	2, 3
Belmont Drain	E	10.6		Tail	Feb - Oct	2, 3
Belmont Drain Extension	E	5.2		Tail	Feb - Oct	2, 3
Belmont Drain No. 1	E	2.2		Tail	Feb - Oct	2, 3
Bisignani Drains 1 & 2	E	3.6		Tail	Feb - Oct	2, 3
Borba Drain	E	0.8		Tail	Jan - Dec	2, 3
Boundary Drain	E	9.3		Tail, Tile	Jan - Dec	2, 3
Boundary Drain 1	E	5.1		Tail	Feb - Oct	2, 3
Boundary Drain 5	E	4.9		Tail	Feb - Oct	2, 3
Boundary Drain 5-2	E	2.3		Tail	Feb - Oct	2, 3
Boundary Drain 5-2-2	E	0.8		Tail	Feb - Oct	2, 3
Boundary Drain 7	E	2.5		Tail	Feb - Oct	2, 3
Boxcar/Neves Drain	E	0.2		Tail	Feb - Oct	2, 3
Branco Drain	E	0.7		Tail	Feb - Oct	2, 3
Branco Drain 1	E	0.3		Tail	Feb - Oct	2, 3
Bristo Drain	E	0.8		Tail	Feb - Oct	2, 3
Buie Drain	E	0.8		Tail	Feb - Oct	2, 3
Buie Extension Drain	E	0.4		Tail	Feb - Oct	2, 3
Buie Seep Drain	E	1.0		Tail	Feb - Oct	2, 3
Christiana Drain Br. 1	E	2.1		Tail	Feb - Oct	2, 3

Table 41-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
San Luis Canal Co. cont'd						
Cipriani Drain	E	1.0		Tail	Feb - Oct	2, 3
Cipriani Drain Br. 1	E	0.3		Tail	Feb - Oct	2, 3
Circle Island Drain	E	4.6		Tail	Feb - Oct	2, 3
Crayne Drain	E	1.3		Tail	Feb - Oct	2, 3
Dairy Field Drain	E	1.6		Tail	Feb - Oct	2, 3
Deep Well Road Drain	E	0.5		Tail	Feb - Oct	2, 3
Derrick Drain	E	1.6		Tail	Feb - Oct	2, 3
Derrick Drain Extension	E	0.8		Tail	Feb - Oct	2, 3
Devon Drain	E	5.9		Tail	Jan - Dec	2, 3
Devon Drain Branch No. 1	E	0.7		Tail	Feb - Oct	2, 3
D-36 Drain	E	0.9		Tail	Feb - Oct	2, 3
D-6 & D-7 Drains	E	0.4		Tail	Feb - Oct	2, 3
Elgin Co-op Drain	E	0.3		Tail	Feb - Oct	2, 3
Escano Drain	E	1.5		Tail	Feb - Oct	2, 3
Fialho Drain	E	0.6		Tail	Feb - Oct	2, 3
Gilardi-Johnson Drain	E	0.3		Tail	Feb - Oct	2, 3
Guaspari Drain	E	1.5		Tail	Feb - Oct	2, 3
Gun Club Drain	E	0.5		Tail	Feb - Oct	2, 3
Hereford Drain Br. 1 & 2	E	5.9		Tail	Feb - Oct	2, 3
Hereford Drain Br. 4	E	0.6		Tail	Feb - Oct	2, 3
Hooper Drain	E	0.3		Tail	Feb - Oct	2, 3
Island B Seep Drain	E	0.9		Tail	Feb - Oct	2, 3
J 39, 40 & 41 Drains	E	0.7		Tail	Feb - Oct	2, 3
Kaljian Drain	E	1.0		Tail	Feb - Oct	2, 3
Knight Drain	E	1.3		Tail	Feb - Oct	2, 3
Ledford Drain	E	0.4		Tail	Feb - Oct	2, 3
Ledford Drain 1 & 1-1	E	1.6		Tail	Feb - Oct	2, 3
Levee Drain	E	3.0		Tail	Feb - Oct	2, 3
Lift Pump Slough	E	0.2		Tail	Feb - Oct	2, 3
Lone Tree Seep Drain	E	0.7		Tail	Feb - Oct	2, 3
Lopes Drain	E	0.7		Tail	Feb - Oct	2, 3
Lopes Drain Ext.	E	0.7		Tail	Feb - Oct	2, 3
McDonald Drain	E	1.3		Tail	Feb - Oct	2, 3
Miano Seep Drain	E	0.8		Tail	Feb - Oct	2, 3
Michelotti Drain	E	0.4		Tail	Feb - Oct	2, 3
Middle Drain	E	1.2		Tail	Feb - Oct	2, 3
M-2 Drain	E	0.6		Tail	Feb - Oct	2, 3
M-20W Delta Seep D 1, 2, 3	E	1.5		Tail	Feb - Oct	2, 3
M-20 W Drains No. 1 & 2	E	1.9		Tail	Feb - Oct	2, 3
M-22 Drain	E	0.7		Tail	Feb - Oct	2, 3
Panama Drain	E	0.2		Tail	Feb - Oct	2, 3
Pedro Drain	E	1.7		Tail	Feb - Oct	2, 3
Pick Anderson By-Pass Dr	E	1.5		Tail	Feb - Oct	2, 3
Pick Anderson Dr Ex Riv B	E	0.5		Tail	Feb - Oct	2, 3
Pick Anderson 1, 3, 4, 5	E	3.1		Tail	Feb - Oct	2, 3
Pick Anderson River Dr 1	E	2.1		Tail	Feb - Oct	2, 3
Pick Anderson Seep Dr 2	E	0.4		Tail	Feb - Oct	2, 3
Pick Anderson Drain	E	3.0		Tail	Feb - Oct	2, 3
Plow Camp Drain	E	3.5		Tail	Feb - Oct	2, 3
Raven Drain	E	1.0		Tail	Feb - Oct	2, 3
Reno Drain	E	1.1		Tail	Feb - Oct	2, 3
Salt Slough Drain	E	16.7		Tail, Tile	Jan - Dec	2, 3
San Joaquin River Drain	E	0.5		Tail	Feb - Oct	2, 3
San Juan Drain No. 3	E	2.2		Tail	Feb - Oct	2, 3
San Juan Drain 3-N & S	E	2.3		Tail	Feb - Oct	2, 3
San Juan Seep Drain	E	1.6		Tail	Feb - Oct	2, 3
Sirsi Drain	E	1.1		Tail	Feb - Oct	2, 3
South Drain No. 1 & 2	E	1.7		Tail	Feb - Oct	2, 3
Spina Drain	E	0.4		Tail	Feb - Oct	2, 3
Tallent Seep Drain	E	0.8		Tail	Feb - Oct	2, 3
TL-6 & TL-7 Drain	E	1.7		Tail	Feb - Oct	2, 3
Urzonqui Drain	E	0.5		Tail	Feb - Oct	2, 3
Vieira Drain	E	0.8		Tail	Feb - Oct	2, 3
West Delta Drain	E	6.1		Tail	Feb - Oct	2, 3
West Delta Drain Br. A	E	4.8		Tail	Feb - Oct	2, 3
West Delta Drain No. 2	E	0.6		Tail	Feb - Oct	2, 3

Table 41-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
San Luis Canal Co.con't						
West Delta Drain & Bisn. Dr	E	2.3		Tail	Feb - Oct	2, 3
West Delta Seep Drain	E	0.6		Tail	Feb - Oct	2, 3
West Delta Seep Drain 1	E	0.6		Tail	Feb - Oct	2, 3
West San Juan Drain	E	7.0		Tail	Feb - Oct	2, 3
West San Juan Drain Ext.	E	0.4		Tail	Feb - Oct	2, 3
West San Juan Drain 1	E	3.8		Tail	Feb - Oct	2, 3
West Santa Rita Drain	E	4.3		Tail	Feb - Oct	2, 3
West Santa Rita Dr By-Pass	E	0.5		Tail	Feb - Oct	2, 3
Willis Drain	E	0.9		Tail	Feb - Oct	2, 3
Broadview WD						
BVWD Main Drain	E	8.0		Tail, Tile	Jan - Sep	1, 2, 3, 4, 5
Hudson Drain	E	4.0		Tail, Tile	Jan - Sep	1, 2, 3, 4, 5
Jerrold Drain	E	3.4		Tail, Tile	Jan - Sep	1, 2, 3, 4, 5
Newcomb Drain	E	1.8		Tail, Tile	Jan - Sep	1, 2, 3, 4, 5
Douglas Drain	E	1.6		Tail, Tile	Jan - Sep	1, 2, 3, 4, 5
Pacheco WD						
Pacheco-Sloan Giannone-Barcellos		20.3		Tile	Jan - Dec	2, 3, 4, 5
Sump 310-312, 314M-314S	C	1.5		Tile	Jan - Dec	2, 3, 4, 5
Sump 208	C	0.5		Tile	Jan - Dec	2, 3, 4, 5
Tile 106	P	0.5		Tail, Tile	Jan - Dec	2, 3, 4, 5
To PO - 1	P	0.2		Tail, Tile	Jan - Dec	2, 3, 4, 5
To PO - 1	C	0.5		Tail, Tile	Jan - Dec	2, 3, 4, 5
#620	P	0.3		Tail	Jan - Dec	2, 3, 4, 5
201-101	C	0.9		Tile	Jan - Dec	2, 3, 4, 5
East & North Sides	E	9.1		Tail, Tile	Jan - Dec	1, 2, 3, 4, 5
401	C	1.0		Tail, Tile	Jan - Dec	1, 2, 3, 4, 5
201	E	0.8		Tail, Tile	Feb - Oct	1, 2, 3, 4, 5
Master Drain (Return)	E	4.6		Tail, Tile	Feb - Nov	1, 2, 3, 4, 5
D & M	E	0.5		Tail, Tile	Jan - Dec	1, 2, 3, 4, 5
Panoche WD						
Outside Drain	E	4.5		Tail, Tile	Jan - Dec	2, 3, 4, 5
Russel Ave. Drain	E	5.0		Tail, Tile	Jan - Dec	2, 3, 4, 5
Sabbatti Drain	E	2.5		Tail, Tile	Jan - Dec	2, 3, 4, 5
Courtney Drain	E	3.0		Tail, Tile	Jan - Dec	2, 3, 4, 5
Cambria Drain	E	1.5		Tail, Tile	Jan - Dec	2, 3, 4, 5
Buick Drain	E	4.0		Tail, Tile	Jan - Dec	2, 3, 4, 5
1144 Drain	E	4.0		Tail, Tile	Jan - Dec	2, 3, 4, 5
Davidson Drain	E	3.0		Tail, Tile	Jan - Dec	2, 3, 4, 5
Shaw Drain	E	1.0		Tail, Tile	Jan - Dec	2, 3, 4, 5
T-Canal Drain	E	2.3		Tail, Tile	Jan - Dec	2, 3, 4, 5
Grassland WD						
Agatha Canal	E	7.9		WT,Tail,Tile,WW,U	Jan - Dec	1, 2, 3, 4, 10
Camp 13 Ditch	E	7.6		WT, Tail, Tile	Jan - Aug	1, 2, 3, 4
Sorsky Ditch	E	4.7		WT	Mar - Apr	2, 3
Garwall Canal	E	8.9		WT, Tail, Tile	Jan - Aug	1, 2, 3, 4, 12
Almond Drive Ditch	E	2.0		Tail, Tile	Jan - Aug	2, 4, 11
Geis Ditch	E	3.5		Tail, Tile	May - Sep	1, 2, 3, 4
Bennett Ditch	E	1.7		WT,Tail,Tile,WW,U	Jan - Aug	5, 10, 11
Reedley Ditch	E	1.0		WT, Tail, Tile	Jan - Aug	1, 2, 3, 4, 12
Los Banos Club Drain	E	2.5		WT	Mar -May	2
Agatha Canal Extension	E	2.3		WT, Tail, Tile, WW, U	Jan - Aug	1, 2, 3, 4, 10
Agatha Canal Extension, cont'd						
Cotton Drain	E	1.9		WT, Tail, Tile	Jan - Sep	2
240 Ditch	E	1.1		WT	Mar - Apr	2
Britto Ditch	E	1.0		WT	Jan -Dec	2
Mud Slough By-Pass	E	0.9		WT, Tail, Tile	Jan -Dec	1, 2, 3, 4
Santa Fe Canal (to San Luis Canal)	E	3.6		WT,Tail,Tile,WW,U	Jan - Aug	1, 2, 3, 4, 10
Santa Fe Canal (to MudSlough No.)	E	12.4		WT,Tail,Tile,WW,U		1, 2, 3, 4, 10
Santa Fe/Mud Slough By-Pass	E	1.5		Tail, Tile, U, WW	Jan - Aug	1, 2, 3, 4, 10
San Luis Canal	E	6.6		Tail, Tile, U, WW	Jan - Aug	1, 2, 3, 4, 10
Standard Ditch	E	2.7		Tail	Jan - Aug	2
San Luis Spillway Ditch	E	1.8		Tail	Jan - Aug	2, 10
Westside Ditch	E	3.0		Tail, U	Jan - Dec	1, 2
Eagle Ditch	E	2.9		WT	Mar - Apr	2, 3
Fremont Canal	E	5.0		WT,Tail,Tile,WW,U	Mar - Apr	1, 2, 3, 4, 10
City Drain	E	0.3		WT,Tail,Tile,WW,U	Jan - Aug	1, 2, 3, 4, 10

TABLE 41 - C2

CONSTRUCTED AGRICULTURAL SUPPLY CANALS WITHIN DRAINAGE BASIN 41

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Grassland Water District					
San Luis Canal	E	12.3	*DMC, Tail, U	Sep - Nov	1, 4, 10, 11
Santa Fe Canal	E	12.4	DMC, Tail, U	Sep - Nov	1, 4, 10, 11
Standard Ditch	E	2.7	DMC, Tail, U	Sep - Nov	1, 4, 10, 11
Fremont Canal	E	3.1	DMC, Tail, U	Sep - Nov	1, 4, 10, 11
San Luis Spillway	E	1.8	DMC, Tail	Sep - Nov	
Kesterson Ditch	E	2.1	DMC, Tail	Sep - Nov	
Eagle Ditch	E	4	DMC, Tail, NF	Sep - Nov	
Rubino Ditch	E	2	DMC, Tail	Sep - Nov	
Cherokee Ditch	E	0.6	DMC, Tail	Sep - Nov	
Westside Ditch	E	3	DMC, Tail, NF	Sep - Nov	
GCR Ditch	E	0.5	DMC, Tail, NF	Sep - Nov	1
Gable Ditch	E	2.5	DMC	Sep - Nov	
Agatha Canal	E	7.9	DMC, Tail	Sep - Nov	1, 2, 3, 4
Geis Ditch	E	3.5	DMC, Tail	Sep - Nov	1, 2, 3, 4
Camp 13 Canal	E	4.4	DMC, Tail	Sep - Nov	1, 2, 3, 4
Sorsky Ditch	E	4.7	DMC, Tail	Sep - Nov	1, 2, 3, 4
Britto Ditch	E	1.5	DMC, Tail	Sep - Nov	1, 2, 3, 4
Gadwall Canal Ditch	E	6.2	DMC, Tail	Sep - Nov	1, 2, 3, 4
Almond Drive Ditch	E	2	DMC, Tail	Sep - Nov	1, 2, 4, 11
Reedley Ditch	E	1	DMC, Tail	Sep - Nov	1, 2, 4, 11
Flyway Ditch	E	1.5	DMC, Tail	Sep - Nov	1, 2, 4, 11
Helm Canal	E	3.5	DMC, Tail	Sep - Nov	1, 2, 3, 4
Two Forty Ditch	E	1.9	DMC, Tail	Sep - Nov	1, 2, 3, 4
Meyers Ditch	E	1	DMC, Tail	Sep - Nov	1, 2, 3, 4
Ascot Ditch	E	0.8	DMC	Sep - Nov	
Bennett Ditch	E	0.5	DMC, Tail, U	Sep - Nov	1, 5, 10, 11
Central California ID					
Outside Canal	E	56.49	DMC, *SJR, WW, Tail	Feb - Nov	1
Sullivan Extension	E	5.06	DMC, SJR, WW, Tail	Feb - Nov	1
Main Canal	E	70.9	DMC, SJR, WW, Tail	Feb - Nov	1
Helm Ditch	E	5.4	DMC, SJR, WW, Tail	Feb - Nov	
Poso Canal	E	16.74	DMC, SJR, WW, Tail	Feb - Nov	
Riverside	E	7.35	DMC, SJR, WW, Tail	Feb - Nov	
Santa Rita	E	7.6	DMC, SJR, WW, Tail	Feb - Nov	
Lucerne	E	3.71	DMC, SJR, WW, Tail	Feb - Nov	
Central	E	9.63	DMC, SJR, WW, Tail	Feb - Nov	
Parsons	E	10.33	DMC, SJR, WW, Tail	Feb - Nov	
Laguna Canal	E	9.62	DMC, SJR, WW, Tail	Feb - Nov	
Colony Main	E	14.45	DMC, SJR, WW, Tail	Feb - Nov	
Shafter	E	3.12	DMC, SJR, WW, Tail	Feb - Nov	
East Ditch	E	3.72	DMC, SJR, WW, Tail	Feb - Nov	
East Ditch Branch No. 2	E	4.57	DMC, SJR, WW, Tail	Feb - Nov	
East Ditch Branch No. 3	E	3.75	DMC, SJR, WW, Tail	Feb - Nov	
East Ditch Branch No. 4	E	5.49	DMC, SJR, WW, Tail	Feb - Nov	
East Ditch Branch No. 5	E	3.52	DMC, SJR, WW, Tail	Feb - Nov	
San Luis Canal	E	1.39	DMC, SJR, WW, Tail	Feb - Nov	
Helm Canal	E	2.4	DMC, SJR, WW, Tail	Feb - Nov	
Helm 1st Point	E		DMC, SJR, WW, Tail	Feb - Nov	
Helm Pond	E	1.04	DMC, SJR, WW, Tail	Feb - Nov	
San Luis Bypass	E		DMC, SJR, WW, Tail	Feb - Nov	
Wolfsen Bypass	E	0.34	DMC	Feb - Nov	
Panoche Bypass	E		DMC, SJR, WW, Tail	Feb - Nov	
Nicalison Bypass	E	0.89	DMC, SJR, WW, Tail	Feb - Nov	
Parnell Bypass	E		DMC, SJR, WW, Tail	Feb - Nov	
Reservoir Pipeline	E	1.27	DMC	Feb - Nov	
Garza's Creek (Downstream of Highway 5)	E	1.7	DMC, SJR, WW, Tail	Feb - Nov	
Firebaugh Canal WD					
Intake Canal	E	3.2	DMC	Apr - Aug	
First Lift Canal	E	8	DMC	Apr - Aug	
1 -2A Ditch	E	2.2	DMC	Apr - Aug	

*DMC = Delta Mendota Canal

*SJR = San Joaquin River

Table 41-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Firebaugh Canal WD, cont'd					
Santa Fe Ditch	E	2.3	*DMC	Apr - Aug	
Second Lift Canal	E	15	DMC	Apr - Aug	
Comfort Lateral	E	2.1	DMC	Apr - Aug	
Lorenzetti Lateral	E	2	DMC	Apr - Aug	
Third Lift Canal	E	16.4	DMC	Apr - Aug	
San Luis Canal Company					
Arroyo Canal	E	15.66	DMC, Tail, WW	Jan - Dec	2
Baker	E	0.42	DMC, Tail, WW	Feb - Oct	2
Bennett Ditch	E	2.1	DMC, Tail, WW	Feb - Oct	2
Community Ditch	E	2.02	DMC, Tail, WW	Feb - Oct	2
Community Ditch Branch	E	0.84	DMC, Tail, WW	Feb - Oct	2
County Road Ditch	E	2.06	DMC, Tail, WW	Feb - Oct	2
County Road Ditch Branch	E	0.99	DMC, Tail, WW	Feb - Oct	2
Coute Ditch	E	1.95	DMC, Tail, WW	Feb - Oct	2
Cowden Ditch	E	1.32	DMC, Tail, WW	Feb - Oct	2
Dambrosia	E	1.21	DMC, Tail, WW	Feb - Oct	2
Dairy Field Lift Ditch	E	2.41	DMC, Tail, WW	Jan - Dec	2
Delta Canal	E, C	10.29	DMC, Tail, WW	Feb - Oct	2
Delta No. 1	E	5.89	DMC, Tail, WW	Feb - Oct	2
East Delta Canal	E	3.18	DMC, Tail, WW	Feb - Oct	2
Escano Ditch	E	1.66	DMC, Tail, WW	Feb - Oct	2
Escano Ditch Branch 1	E	1.33	DMC, Tail, WW	Feb - Oct	2
Helm Ditch	E	0.95	DMC, Tail, WW	Feb - Oct	2
Island Canal "A"	E	5.48	DMC, Tail, WW	Feb - Oct	2
Island Canal "B"	E	1.21	DMC, Tail, WW	Feb - Oct	2
Island Canal "C"	E	1.51	DMC, Tail, WW	Jan - Dec	2
Island Canal "D"	E	2.5	DMC, Tail, WW	Feb - Oct	2
Lone Tree Canal	E	8.71	DMC, Tail, WW	Feb - Oct	2
Machado Ditch	E	1.05	DMC, Tail, WW	Feb - Oct	2
Mackenzie	E	1.03	DMC, Tail, WW	Feb - Oct	2
Midway Canal	E	8.51	DMC, Tail, WW	Feb - Oct	2
Midway Swamp Ditch	E	2.68	DMC, Tail, WW	Feb - Oct	2
Midway Swamp Ditch Branch 1	E	1.24	DMC, Tail, WW	Feb - Oct	2
Midway Swamp Ditch Branch 2	E	0.72	DMC, Tail, WW	Feb - Oct	2
Midway Swamp Ditch Branch 3	E	0.76	DMC, Tail, WW	Feb - Oct	2
Orchard Ditch	E	5.11	DMC, Tail, WW	Feb - Oct	2
Orchard Ditch Ectension	E	2.09	DMC, Tail, WW	Feb - Oct	2
Orchard Ditch No. 2	E	0.78	DMC, Tail, WW	Feb - Oct	2
Pick Anderson Ditches	E	6.14	Tail	Feb - Oct	2
Red Tank	E	0.91	DMC, Tail, WW	Feb - Oct	2
San Juan	E	6.51	DMC, Tail, WW	Feb - Oct	2
San Juan Extension	E	1.06	DMC, Tail, WW	Feb - Oct	2
San JuanNo. 1	E	4.1	DMC, Tail, WW	Feb - Oct	2
San Pedro Canal	E	6.57	DMC, Tail, WW	Feb - Oct	2
Schmidt Ditch	E	1.87	DMC, Tail, WW	Feb - Oct	2
South Boundary Ditch	E	1.42	DMC, Tail, WW	Feb - Oct	2
Tambelli Ditch	E	1.47	DMC, Tail, WW	Feb - Oct	2
Tambelli Ditch Branch	E	0.87	DMC, Tail, WW	Feb - Oct	2
Temple Santa Rita	E	9.67	DMC, Tail, WW	Feb - Oct	2
Temple Santa Rita Extension	E	1.59	DMC, Tail, WW	Feb - Oct	2
Toscano Ditch North	E	2.48	DMC, Tail, WW	Feb - Oct	2
Toscano Ditch South	E	2.29	DMC, Tail, WW	Feb - Oct	2
West Delta Canal	E	3.97	DMC, Tail, WW	Feb - Oct	2
West Delta Canal Branch 1	E	2.73	DMC, Tail, WW	Feb - Oct	2
West Delta Canal Branch 2	E	1.55	DMC, Tail, WW	Feb - Oct	2
Willow Tree Ditch East	E	1.14	DMC, Tail, WW	Feb - Oct	2
Willow Tree East Branch 1	E	1	DMC, Tail, WW	Feb - Oct	2
Willow Tree Ditch West	E	1.31	DMC, Tail, WW	Feb - Oct	2
Willow Tree West Branch 1	E	0.41	DMC, Tail, WW	Feb - Oct	2
Broadview WD					
Broadview WD Main Canal	E	5.9	DMC	Jan - Dec	2, 3, 4

*DMC = Delta Mendota Canal

Table 41-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Broadview WD, cont'd					
33 Lateral	E	0.5	*DMC, Tail	Jan - Dec	2, 3, 4
Chuck Lateral	E	2.3	DMC, Tail	Jan - Dec	2, 3, 4
4-1 Lateral	E	2	DMC, Tail	Jan - Dec	2, 3, 4
4-3 Lateral	E	2	DMC, Tail	Jan - Dec	2, 3, 4
9-1 Lateral	E	3	DMC, Tail	Jan - Dec	2, 3, 4
Section 8 Lateral	E	1	DMC, Tail	Jan - Dec	2, 3, 4
8-A Lateral	E	0.5	DMC, Tail	Jan - Dec	2, 3, 4
8-B Lateral	E	0.5	DMC, Tail	Jan - Dec	2, 3, 4
9-3 Lateral	E	4	DMC, Tail	Jan - Dec	2, 3, 4
16-1 Lateral	E	4.5	DMC, Tail	Jan - Dec	2, 3, 4
16-3 Lateral	E	4.5	DMC, Tail	Jan - Dec	2, 3, 4
Pacheco WD					
Hamburg Intake	E	2.8	DMC, Tail	Feb - Aug	2, 3, 4
SLC Turnout - 2 Siphons	C	0.13	*SLC	Feb - Aug	
SLC Turnout - 3 Pipelines	P	1.08	SLC	Feb - Aug	
SLC Turnout - 1 Regulating Reservoir	E	0.15	SLC	Feb - Aug	
Canal 2	C	1.85	DMC, *CCID, SLC	Feb - Aug	
Canal 2	E	0.38	DMC, CCID, SLC	Feb - Aug	
Canal 3	E	3.03	DMC, CCID, SLC	Feb - Aug	
Canal 4	C	2.28	DMC, CCID, SLC	Feb - Aug	
Canal 4	P	0.52	DMC, CCID, SLC	Feb - Aug	
Canal 4	E	1.09	DMC, CCID, SLC	Feb - Aug	
Canal 5	C	0.66	DMC, CCID, SLC	Feb - Aug	
Canal 6	E	2.86	DMC, CCID, SLC	Feb - Aug	
Canal 6	E	3.5	DMC, CCID, SLC	Feb - Aug	
Canal 7	C	1.33	DMC, CCID, SLC	Feb - Aug	
614	C	0.38	DMC, CCID, SLC	Feb - Aug	
620	C	0.47	DMC, CCID, SLC	Feb - Aug	
401	C	0.47	DMC, CCID, SLC	Feb - Aug	
Farmer	P	0.5	DMC, CCID, SLC	Feb - Aug	
516	P	0.47	DMC, CCID, SLC	Feb - Aug	
308	C	0.25	DMC, CCID, SLC	Feb - Aug	
Panoche WD					
Main Canal	E	6	SLC	Apr - Aug	2, 3
T-Canal	E	4	SLC	Apr - Aug	2, 3
10W	P	0.5	SLC	Apr - Aug	
10W	C	1.5	SLC	Apr - Aug	
10 E2	C	2	SLC	Apr - Aug	
Russell Turnout	C	2	SLC	Apr - Aug	
10WS "G" Lateral	P	2.25	SLC	Apr - Aug	
Lateral G-1	P	2.25	SLC	Apr - Aug	
Lateral G-2	P	2	SLC	Apr - Aug	
Lateral 1	C	1	DMC	Apr - Aug	2, 3
Lateral 2	C	3	SLC	Apr - Aug	2, 3
Lateral 2	E	1.5	SLC	Apr - Aug	2, 3
Lateral 3	C	3.5	SLC	Apr - Aug	2, 3
Lateral 3	E	0.5	SLC	Apr - Aug	2, 3
Lateral 5	C	1.5	SLC	Apr - Aug	2, 3
Contour Canal	E	3	SLC, DMC	Apr - Aug	2, 3
Shields Pipeline	P	1	SLC	Apr - Aug	
San Luis WD	C				
Main Canal	E	11.5	SLC, DMC	Feb - Aug	
Relift Canal	E	12.8	SLC, DMC	Feb - Aug	
Third Lift Canal	E	5.1	SLC, DMC	Feb - Aug	

*DMC = Delta Mendota Canal

*SLC = San Luis Canal

*CCID = Central California Irrigation District outside canal

DRAINAGE BASIN 44A
CENTRAL DELTA

Drainage Basin 44A encompasses the largest number of reclamation districts in the Delta. The Basin lies south of the San Joaquin River, the Mokelumne River, South Mokelumne River and Hog Slough. It is bound on the west by the East Contra Costa Irrigation District and Byron-Bethany Irrigation District boundaries. It is north of the Victoria Canal and the Atchison, Topeka and Santa Fe Railroad line but includes Drexler Tract. It is west of the San Joaquin River (near Stockton) and Woodbridge Irrigation District.

The Central Delta Basin, compared to the North and South Delta Basins, is the most strongly influenced by tidal action. Major rivers are the old branches of the San Joaquin River and are named Middle River and Old River. The flow regime of the Sacramento River and the State pumping plants near Clifton Court Forebay also strongly influence flows in the basin. Other major water bodies include:

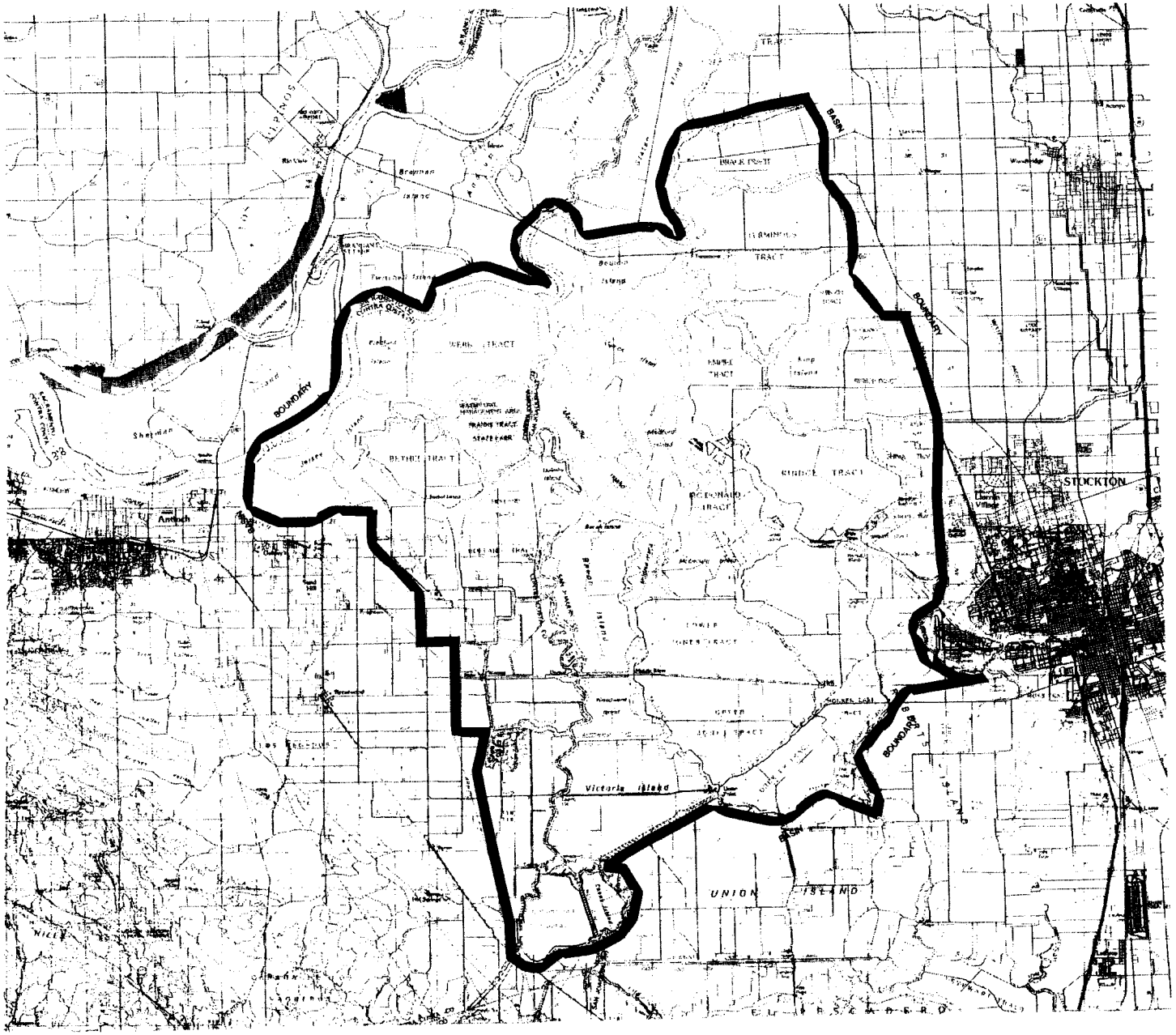
Little Potato Slough	White Slough
Honker Cut	Bishop Cut
Telephone Cut	Disappointment Cut
Mosher Slough	Empire Cut
Turner Cut	Whiskey Slough
Sand Mound Slough	Rock Slough
Black Slough	Trapper Slough
Indian Slough	Woodward Canal
N. Victoria Canal	Italian Slough
North Canal	Werner Cut
Sycamore Slough	Fisherman's Cut
Connection Slough	Fourteen Mile Slough

For the most part, little detailed information was provided on the water supply system. Water is typically supplied by growers to their farm lands by way of dredger cuts, siphons, pumps, culverts or earthlined constructed supply canals. Most of the districts have a tail water return system which usually involves pumping discharges into the surrounding water.

No known water bodies within the Central Delta can be considered to be natural channels dominated by either agricultural supply or drainage water since the tidal, pumping plant and rivers flowing through the area are more dominant than agriculturally-related flows. The man-made cuts and channels, if designated to carry agricultural returns or supply flows, could fit into the category (c) water bodies classification. However, most of the cuts were designed for various purposes, including navigation, flood control, levee enhancement, boundary locations, as well as for agricultural water supply purposes. Therefore, agricultural supply cannot, for these cuts, be considered a dominant use.

The Central Delta Drainage Basin covers all of the following water, irrigation, reclamation and drainage agencies from which information on water bodies and agricultural facilities was received:

Central Delta Water Agency
Reclamation District 2033 (Brack Tract)
Reclamation District 548 (Terminous Tract)
Reclamation District 756 (Bouldin Island)
Reclamation District 2026 (Webb Tract)
Reclamation District 2059 (Bradford Island)
Reclamation District 2044 (King Island)
Reclamation District 2029 (Empire Tract)
Reclamation District 2023 (Venice Island)
Reclamation District 2114 (Rio Blanco Tract)
Reclamation District 2042 (Bishop Tract)
Reclamation District 2027 (Mandeville Island)
Reclamation District 2041 (Medford Island)
Reclamation District 2030 (McDonald Island)
Reclamation District 2037 (Rindge Tract)
Reclamation District 2115 (Shima Tract)
Reclamation District 799 (Hotchkiss Tract)
Reclamation District 2025 (Holland Tract)
Reclamation District 2090 (Quimby Island)
Reclamation District 2028 (Bacon Island)
Reclamation District 2119 (Wright-Elmwood Tract)
Reclamation District 2036 (Palm Tract)
Reclamation District 2024 (Orwood Tract)
Reclamation District 800 (Byron Tract)
Reclamation District 2117 (Coney Island)
Reclamation District 2040 (Victoria Island)
Reclamation District 2072 (Woodward Island)
Reclamation District 2039 (Upper Jones Tract)
Reclamation District 2038 (Lower Jones Tract)
Reclamation District 684 (Lower Roberts Island)
Reclamation District 2113 (Fay Island)
Reclamation District 2118 (Little Mandeville Island)
Shin Kee Tract
Bethel Island Municipal Improvement District
Drexler and Honker Lake Tract



DRAINAGE BASIN 44A

N

- BASIN BOUNDARY
- NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)
- NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)
- RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C)
- NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1-B2)

TABLE 44A - C1

CONSTRUCTED DRAINS WITHIN DRAINAGE BASIN 44A

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 2117						
Coney Island						
DR 1	E	1.6		Tail	Jan - Dec	
RECLAMATION DIST 2090						
Quimby Island						
Main Drain	E	1.4		Tail	Jan - Dec	
West Drain	E	1.0		Tail	Jan - Dec	
East Drain	E	0.2		Tail	Jan - Dec	
RECLAMATION DIST 2118						
Little Mandeville Island						
Main Drain	E	0.8		Tail	Jan - Dec	
South Drain	E	0.2		Tail	Jan - Dec	
North Drain	E	0.2		Tail	Jan - Dec	
RECLAMATION DIST 2113						
Fay Island						
Main Drain	E	0.5		Tail	Jan - Dec	
RECLAMATION DIST 2114						
Rio Blanco Tract						
Main Drain	E or C	1.0		Tail	Jan - Dec	
East Drain	E or C	1.0		Tail	Jan - Dec	
RECLAMATION DIST 2115						
Shima Tract						
Main Drain	E	1.3		Tail	Jan - Dec	
West Drain	E	2.2		Tail	Jan - Dec	
SHIN KEE TRACT						
DR 1	E	1.4		Tail	Jan - Dec	
DR 2	E	1.2		Tail	Jan - Dec	
DR 3	E	0.4		Tail	Jan - Dec	
DR 4	E	0.6		Tail	Jan - Dec	
DR 5	E	1.1		Tail	Jan - Dec	
RECLAMATION DIST 2023						
Venice Island						
DR 1	E	4.3		Tail	Jan - Dec	
DR 2	E	0.8		Tail	Jan - Dec	
DR 3	E	0.3		Tail	Jan - Dec	
DR 4	E	0.8		Tail	Jan - Dec	
DR 5	E	0.8		Tail	Jan - Dec	
DR 6	E	0.5		Tail	Jan - Dec	
DR 7	E	0.7		Tail	Jan - Dec	
DR 8	E	0.3		Tail	Jan - Dec	
RECLAMATION DIST 2042						
Bishop Tract						
DR 1	E	1.7		Tail	Jan - Dec	
DR 2	E	1.3		Tail	Jan - Dec	
DR 3	E	1.4		Tail	Jan - Dec	
DR 4	E	0.9		Tail	Jan - Dec	
DR 5	E	0.3		Tail	Jan - Dec	
DR 6	E	1.0		Tail	Jan - Dec	
DR 7	E	0.5		Tail	Jan - Dec	
DR 8	E	0.4		Tail	Jan - Dec	
RECLAMATION DIST 2041						
Medford Island						
Main Drain	E	0.4		Tail	Jan - Dec	
South Drain	E	1.1		Tail	Jan - Dec	
North Drain	E	0.7		Tail	Jan - Dec	
RECLAMATION DIST 799						
Hotchkiss Tract						
DR 1	E	0.5		Tail	Jan - Dec	
DR 2	E	0.5		Tail	Jan - Dec	
DR 3	E	0.8		Tail	Jan - Dec	
DR 4	E	0.5		Tail	Jan - Dec	
DR 5	E	0.8		Tail	Jan - Dec	
DR 6	E	0.8		Tail	Jan - Dec	
DR 7	E	1.8		Tail	Jan - Dec	
RECLAMATION DIST 2119						
Wright-Elmwood Tract						
DR 1	E	1.0		Tail	Jan - Dec	
DR 2	E	1.2		Tail	Jan - Dec	

Table 44A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 2119 Wright-Elmwood Tract						
DR 3	E	0.8		Tail	Jan - Dec	
DR 4	E	0.7		Tail	Jan - Dec	
DR 5	E	0.4		Tail	Jan - Dec	
DR 6	E	1.3		Tail	Jan - Dec	
DREXLER TRACT AND HONKER LAKE TRACT						
DR 1	E	1.8		Tail	Jan - Dec	
DR 2	E	0.3		Tail	Jan - Dec	
DR 3	E	2.5		Tail	Jan - Dec	
DREXLER TRACT AND HONKER LAKE TRACT						
DR 4	E	1.0		Tail	Jan - Dec	
DR 5	E	1.1		Tail	Jan - Dec	
DR 6	E	0.8		Tail	Jan - Dec	
RECLAMATION DIST 2040 Victoria Island						
DR 1	E	4.3		Tail	Jan - Dec	
DR 2	E	0.6		Tail	Jan - Dec	
DR 3	E	1.5		Tail	Jan - Dec	
DR 4	E	1.5		Tail	Jan - Dec	
DR 5	E	1.5		Tail	Jan - Dec	
DR 6	E	1.3		Tail	Jan - Dec	
DR 7	E	0.4		Tail	Jan - Dec	
DR 8	E	1.0		Tail	Jan - Dec	
DR 9	E	0.7		Tail	Jan - Dec	
DR 10	E	1.5		Tail	Jan - Dec	
DR 11	E	1.0		Tail	Jan - Dec	
DR 12	E	1.0		Tail	Jan - Dec	
DR 13	E	1.0		Tail	Jan - Dec	
DR 14	E	1.8		Tail	Jan - Dec	
DR 15	E	1.0		Tail	Jan - Dec	
DR 16	E	0.8		Tail	Jan - Dec	
DR 17	E	0.8		Tail	Jan - Dec	
RECLAMATION DIST 2033 Brack Tract						
DR 1	E	2.5		Tail	Jan - Dec	
DR 2	E	3.7		Tail	Jan - Dec	
RECLAMATION DIST 2033 Brack Tract						
DR 3	E	4.1		Tail	Jan - Dec	
DR 4	E	0.3		Tail	Jan - Dec	
DR 5	E	0.4		Tail	Jan - Dec	
RECLAMATION DIST 2027 Mandeville Island						
DR 1	E	1.2		Tail	Jan - Dec	
DR 2	E	2.0		Tail	Jan - Dec	
DR 3	E	0.7		Tail	Jan - Dec	
DR 4	E	1.2		Tail	Jan - Dec	
DR 5	E	2.4		Tail	Jan - Dec	
DR 6	E	0.8		Tail	Jan - Dec	
DR 7	E	4.7		Tail	Jan - Dec	
RECLAMATION DIST 2030 McDonald Island						
DR 1	E	0.9		Tail	Jan - Dec	
DR 2	E	1.8		Tail	Jan - Dec	
DR 3	E	1.5		Tail	Jan - Dec	
DR 4	E	1.6		Tail	Jan - Dec	
DR 5	E	4.0		Tail	Jan - Dec	
DR 6	E	0.3		Tail	Jan - Dec	
DR 7	E	2.5		Tail	Jan - Dec	
RECLAMATION DIST 2028 Bacon Island						
DR 1	E	4.7		Tail	Jan - Dec	
DR 2	E	0.8		Tail	Jan - Dec	
RECLAMATION DIST 2028 Bacon Island						
DR 3	E	0.5		Tail	Jan - Dec	

Table 44A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 800						
Byron Tract						
DR 1	E	3.0		Tail	Jan - Dec	
DR 2	E	1.5		Tail, WW	Jan - Dec	
DR 3	E	1.5		Tail	Jan - Dec	
RECLAMATION DIST 684						
Lower Roberts Island						
East Drain	E	8.1	3000	Tail	Jan - Dec	
West Drain	E	14.8	7600	Tail	Jan - Dec	
RECLAMATION DIST 2072						
Woodward Island						
Ag Drainage Canal	E	3.4	1860	Tail	Jan - Dec	
RECLAMATION DIST 2024						
Orwood Tract						
Ag Drainage Canal	E	5.3	2370	Tail	Jan - Dec	
RECLAMATION DIST 2036						
Palm Tract						
Ag Drainage Canal	E	0.6	2440	Tail	Jan - Dec	
RECLAMATION DIST 2039						
Upper Jones Tract						
Ag Drainage Canal	E	10.2	6200	Tail	Jan - Dec	
RECLAMATION DIST 2038						
Lower Jones Tract						
Ag Drainage Canal	E	9.3	5690	Tail	Jan - Dec	
RECLAMATION DIST 548						
Terminous Tract						
Northern Drainage Canal	E	12.1	7000	Tail	Jan - Dec	
Southern Drainage Canal	E	0.6	3470	Tail	Jan - Dec	
BETHEL ISLAND MID						
Main Canal	E	2.8	3500	Tail	Jan - Dec	
RECLAMATION DIST 2059						
Bradford Island						
D-1	E	0.3		Tail	Jan - Dec	
D-2	E	0.6		Tail	Jan - Dec	
D-3	E	0.8		Tail	Jan - Dec	
D-4	E	0.6		Tail	Jan - Dec	
D-5	E	0.8		Tail	Jan - Dec	
D-6	E	0.7		Tail	Jan - Dec	
D-7	E	0.8		Tail	Jan - Dec	
D-8	E	0.6		Tail	Jan - Dec	
D-9	E	0.6		Tail	Jan - Dec	
D-10	E	0.4		Tail	Jan - Dec	
D-11	E	0.3		Tail	Jan - Dec	
D-12	E	0.2		Tail	Jan - Dec	
D-13	E	0.3		Tail	Jan - Dec	
D-14	E	0.2		Tail	Jan - Dec	
RECLAMATION DIST 2025						
Holland Tract						
1	E	1.0		Tail	Jan - Dec	
2	E	1.1		Tail	Jan - Dec	
3	E	2.8		Tail	Jan - Dec	
4	E	1.0		Tail	Jan - Dec	
5	E	0.7		Tail	Jan - Dec	
6	E	1.0		Tail	Jan - Dec	
7	E	1.0		Tail	Jan - Dec	
8	E	0.6		Tail	Jan - Dec	
RECLAMATION DIST 2044						
King Island			3260 Total			
D-1	E	0.2		Tail	Jan - Dec	
D-2	E	1.1		Tail	Jan - Dec	
D-3	E	0.8		Tail	Jan - Dec	
D-4	E	1.0		Tail	Jan - Dec	
D-5	E	0.7		Tail	Jan - Dec	
D-6	E	0.5		Tail	Jan - Dec	
D-7	E	0.9		Tail	Jan - Dec	
D-8	E	1.0		Tail	Jan - Dec	
S-1	E	3.2		Tail	Jan - Dec	
S-2	E	2.2		Tail	Jan - Dec	
C-1	E	0.6		Tail	Jan - Dec	
C-2	E	0.6		Tail	Jan - Dec	
C-3	E	0.4		Tail	Jan - Dec	

Table 44A-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 2044						
King Island						
C-4	E	0.6		Tail	Jan - Dec	
RECLAMATION DIST 2026						
Webb Tract			5490 Total			
D-1	E	1.1		Tail	Jan - Dec	
D-2	E	0.9		Tail	Jan - Dec	
D-3	E	0.8		Tail	Jan - Dec	
D-4	E	0.2		Tail	Jan - Dec	
D-5	E	0.4		Tail	Jan - Dec	
D-6	E	0.4		Tail	Jan - Dec	
D-7	E	1.2		Tail	Jan - Dec	
D-8	E	0.7		Tail	Jan - Dec	
D-9	E	0.3		Tail	Jan - Dec	
D-10	E	1.7		Tail	Jan - Dec	
D-11	E	1.1		Tail	Jan - Dec	
D-12	E	0.6		Tail	Jan - Dec	
D-13	E	0.3		Tail	Jan - Dec	
D-14	E	0.2		Tail	Jan - Dec	
D-15	E	0.6		Tail	Jan - Dec	
D-16	E	0.5		Tail	Jan - Dec	
D-17	E	0.8		Tail	Jan - Dec	
D-18	E	0.8		Tail	Jan - Dec	
RECLAMATION DIST 2029						
Empire Tract			3430 Total			
D-1	E	0.7		Tail	Jan - Dec	
D-2	E	1.6		Tail	Jan - Dec	
D-3	E	0.9		Tail	Jan - Dec	
D-4	E	2.1		Tail	Jan - Dec	
D-5	E	1.1		Tail	Jan - Dec	
D-6	E	0.5		Tail	Jan - Dec	
D-7	E	1.1		Tail	Jan - Dec	
RECLAMATION DIST 2029						
Empire Tract						
D-8	E	0.2		Tail	Jan - Dec	
RECLAMATION DIST 756						
Bouldin Island			6006 Total			
D-1	E	0.8		Tail	Jan - Dec	
D-2	E	0.8		Tail	Jan - Dec	
D-3	E	1.2		Tail	Jan - Dec	
D-4	E	0.3		Tail	Jan - Dec	
D-5	E	1.1		Tail	Jan - Dec	
D-6	E	2.3		Tail	Jan - Dec	
D-7	E	0.3		Tail	Jan - Dec	
D-8	E	0.2		Tail	Jan - Dec	
D-9	E	1.2		Tail	Jan - Dec	
D-10	E	0.7		Tail	Jan - Dec	
D-11	E	0.6		Tail	Jan - Dec	
D-12	E	0.6		Tail	Jan - Dec	
D-13	E	0.6		Tail	Jan - Dec	
D-14	E	0.4		Tail	Jan - Dec	
D-15	E	1.4		Tail	Jan - Dec	
D-16	E	1.5		Tail	Jan - Dec	
D-17	E	0.3		Tail	Jan - Dec	
RECLAMATION DIST 2037						
West	E	5.2	3848	Tail	Jan - Dec	
Southeast	E	4.2	2889	Tail	Jan - Dec	

TABLE 44A - C2

CONSTRUCTED CANALS WITHIN DRAINAGE BASIN 44A

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 2117					
Coney Island	E		Delta	Jan - Dec	2
RECLAMATION DIST 2090					
Quimby Island					
District Total	E	1.0	Delta	Jan - Dec	2
RECLAMATION DIST 2118					
Little Mandeville Island					
District Total	E	3.0	Delta	Jan - Dec	2
RECLAMATION DIST 2113					
Fay Island					
District Total	E	2.0	Delta	Jan - Dec	2
RECLAMATION DIST 2114					
Rio Blanco Tract					
I-1	P	0.9	Delta	Jan - Dec	2
I-2	C	1.0	Delta	Jan - Dec	2
I-3	C	0.6	Delta	Jan - Dec	2
RECLAMATION DIST 2115					
Shima Tract					
District Total	E	3.4	Delta	Jan - Dec	2
SHIN KEE TRACT					
Tract Total	E	6.4	Delta	Jan - Dec	2
RECLAMATION DIST 2023					
Venice Island					
District Total	E	55.1	Delta	Jan - Dec	2
RECLAMATION DIST 2042					
Bishop Tract					
District Total	E	2.0	Delta	Jan - Dec	2
RECLAMATION DIST 2041					
Medford Island					
District Total	E	19.6	Delta	Jan - Dec	2
RECLAMATION DIST 799					
Hotchkiss Tract					
I-1	E	1.3	Delta	Jan - Dec	2
I-2	E	0.2	Delta	Jan - Dec	2
I-3	E	0.6	Delta	Jan - Dec	2
RECLAMATION DIST 2119					
Wright-Elmwood Tract					
District Total	E	7.5	Delta	Jan - Dec	2
DREXLER TRACT AND HONKER LAKE TRACT					
Tract Total	E	15.0	Delta	Jan - Dec	2
RECLAMATION DIST 2040					
Victoria Island					
District Total	E	30.0	Delta	Jan - Dec	2
RECLAMATION DIST 2033					
Brack Tract					
District Total	E		Delta	Jan - Dec	2
RECLAMATION DIST 2027					
Mandeville Island					
Const Ag Ditch - District Total	E		Delta	Jan - Dec	2
RECLAMATION DIST 2030					
McDonald Island					
Const Ag Ditch - District Total	E	7.3	Delta	Jan - Dec	2
RECLAMATION DIST 2028					
Bacon Island					
Const Ag Ditch - District Total	E		Delta	Jan - Dec	2
RECLAMATION DIST 800					
Byron Tract					
District Canal		1.3	Delta		2
Const Ag Ditch - District Total	E		Delta	Jan - Dec	2
RECLAMATION DIST 684					
Lower Roberts Island					
Dredger Cut	E	16.0	Delta		2
RECLAMATION DIST 2072					
Woodward Island					
Dredger Cut	E	8.9	Delta		2

Table 44A-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 2024					
Orwood Tract					
Dredger Cut	E	6.3	Delta		2
Irrigation Canal	E	0.5	Delta		2
RECLAMATION DIST 2036					
Palm Tract					
Dredger Cut	E	6.3	Delta		2
RECLAMATION DIST 2039					
Upper Jones Tract					
Dredger Cut	E	9.3	Delta		2
Broadway Canal	E	0.3	Delta		2
RECLAMATION DIST 2038					
Lower Jones Tract					
Dredger Cut	E	9.0	Delta		2
RECLAMATION DIST 548					
Terminous Tract					
Dredger Cut	E	16.0	Delta		2
Interior Irrig. Canal	E	2.7	Delta		2
BETHEL ISLAND MID					
Does not own or operate any surface water supply systems			Delta		2
RECLAMATION DIST 2059					
Bradford Island					
8 Intake Siphons - district does not supply water			Delta, SJR		
RECLAMATION DIST 2025					
Holland Tract					
21 Intake Siphons			Delta-Sand Mound Sl,		2
RECLAMATION DIST 2044					
King Island					
35 Intake Siphons			Delta-White		
RECLAMATION DIST 2026					
Webb Tract					
8 Intake Siphons	E	12.9	Delta - SJR		
6 Intake Siphons	E	14.2	Delta-False Slough		
RECLAMATION DIST 2029					
Empire Tract					
33 Intake Siphons	E		Delta		
RECLAMATION DIST 756					
Bouldin Island					
Main Canal	E	2.4	Delta		2
I/S	E	18.0	Delta		2
I-1	E	1.5	Delta		2
RECLAMATION DIST 756					
Bouldin Island					
I-2	E	0.9	Delta		2
I-3	E	0.7	Delta		2
I-4	E	1.2	Delta		2
I-5	E	0.7	Delta		2
I-6	E	1.0	Delta		2
I-7	E	0.3	Delta		2
I-8	E	0.3	Delta		2
I-9	E	0.6	Delta		2
I-10	E	0.9	Delta		2
I-11	E	0.9	Delta		2
I-12	E	0.6	Delta		2
I-13	E	0.2	Delta		2
I-14	E	0.5	Delta		2
I-15	E	0.8	Delta		2
I-16	E	0.5	Delta		2
I-17	E	0.4	Delta		2
I-18	E	0.5	Delta		2
I-19	E	0.6	Delta		2
I-20	E	1.1	Delta		2
I-21	E	0.5	Delta		2
I-22	E	0.4	Delta		2
I-23	E	0.8	Delta		2
RECLAMATION DIST 2037					
Rindge Tract					
24 Intake Siphons	E		Delta - SJR		
17 Intake Siphons	E		Delta-Fourteen Sl.		
17 Intake Siphons	E		Delta-Disappointment		

Note: Canal lengths were based on information provided by districts. Lengths were often estimated from maps provided by districts.

DRAINAGE BASIN 44B
WEST OF THE DELTA

Drainage Basin 44B, west of the Delta, encompasses the agricultural land which drains into the Delta from the west. The boundary to the east and west follows the two agricultural water district boundaries, East Contra Costa Irrigation District and Byron-Bethany Irrigation District. It is bordered on the south by the Alameda-Contra Costa County line, Clifton Court Forebay and the California Aqueduct Intake Channel. It is bordered on the north by about 3 miles of the Contra Costa Canal, Big Break and the San Joaquin River.

The Drainage Basin covers all or parts of the following irrigation districts for which information on water bodies and agricultural facilities was received:

East Contra Costa Irrigation District
Byron-Bethany Irrigation District

There are no major rivers in this basin. This area has relatively small watersheds on the eastern side of the Coast Range with low precipitation. Therefore, these watersheds have creeks which do not flow much of the year. These creeks are:

Sand Creek
Marsh Creek
Kellogg Creek
Frisk Creek
Deer Creek
Dry Creek
Brushy Creek

The channels in these creeks are small.

East Contra Costa Irrigation District (ECCID) serves the agricultural land in the northern portion of the basin. It contains about 18,000 acres of which 10,000 acres are irrigated. Much of the area surrounding the town of Brentwood is being or has been subdivided. The district water supply is primarily from Indian Slough off Old River in the Delta. Surface water is pumped westerly by a series of pumping plants into supply canals.

Sometimes this surface water is supplemented with small amounts of ground water pumped from the District's wells. Sand Creek and Marsh Creek receive tailwater from landowners outside and within ECCID and small amounts of operational spill water. Marsh Creek has the most flow. Both these creeks receive runoff from rangeland and urban runoff.

The East Contra Costa Irrigation District does not have a surface (tail) water drainage system. It does, however, have a limited subsurface (tile) water collection system in the eastern part of the district. These subsurface systems drain by gravity or are pumped into the channels of the Delta through three main drains:

Tule Lane Drain ("D" drains)
Richardson Drain ("B" & "C" drains)
Stenzel Drain

These drains are not affected by the tides since they are above tidal influence. However, once these drain waters reach the Delta channels, the tidal influences become the dominating influence on these waters.

The portion of Byron-Bethany Irrigation District, north of the California Aqueduct Intake Canal, serves the agricultural land in the southern portion of the basin. The southernmost portion of the district is in Drainage Basin 40. The district is supplied water directly from Clifton Court Forebay through intakes from the California Aqueduct Intake Canal. Drainage from the district, both tail and tile water, is conveyed through creeks in the district. These creeks were categorized as C1 water bodies if they have been modified and earthlined. They were categorized as B1 water bodies if they have been described as earthlined and natural.

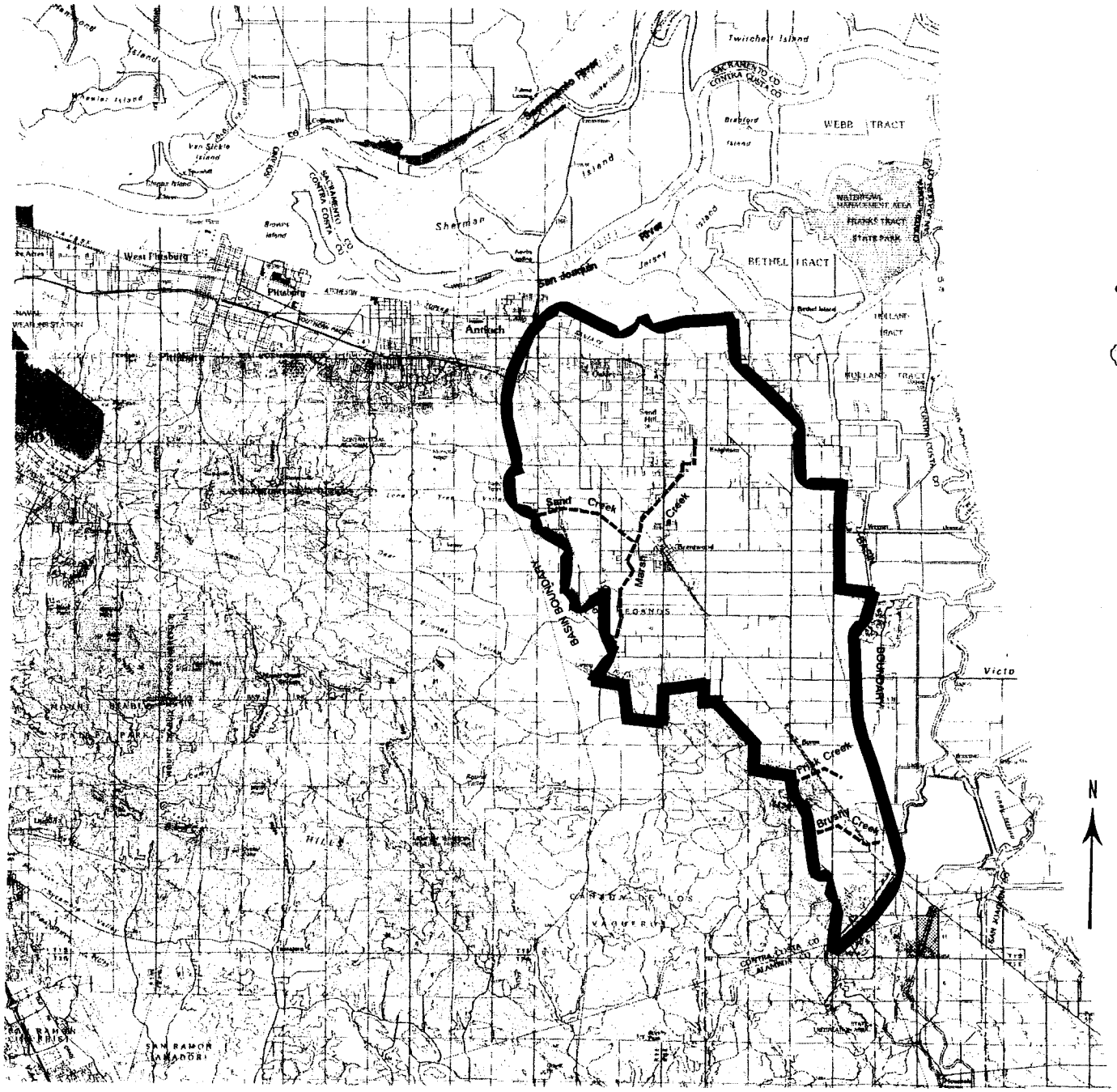
CATEGORY B1 WATER BODIES

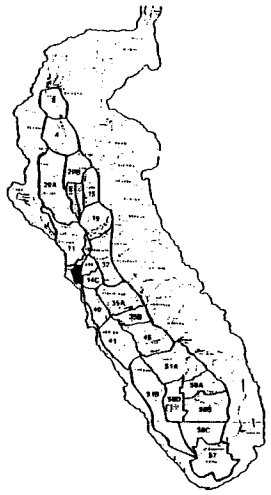
FRISH CREEK: Frish Creek drains a small watershed west of the Byron-Bethany Irrigation District. It is naturally ephemeral except for drainage flows. Agricultural tail and tile drainage water from over 1,320 of irrigated cropland dominate this creek year-round. The channel is natural, but has been modified and earthlined in sections. It is about 3.8 miles long in the district.

BRUSHY CREEK: Brushy Creek drains a small watershed west of the Byron-Bethany Irrigation District. It is naturally ephemeral except for drainage flows and controlled spill water. Agricultural tail water from over 240 acres dominate this stream from March through November. The channel is natural but has been modified in sections. It is about 2.4 miles long in the district.

MARSH CREEK: Marsh Creek has its headwaters in the hills near Mt. Diablo and is somewhat controlled by Marsh Creek Reservoir, which is west of Drainage Basin 44B. Marsh Creek flows for about 9 miles through East Contra Costa Irrigation District land. Irrigation tail water contributes to the flow in this creek from April through October.

SAND CREEK: Sand Creek has its headwaters in the hills near Mt. Diablo. It flows into Marsh Creek within ECCID. It has a smaller watershed and channel than Marsh Creek. Irrigation tail water contributes to the flow in the creek from about April through October.





DRAINAGE BASIN 44B

- BASIN BOUNDARY
- NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)
- NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)
- RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)
- NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 44B - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 44B DOMINATED BY AGRICULTURAL RETURN FLOWS

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Byron - Bethany I.D.						
Frisk Creek		3.8	1,320+	Tail, Tile	Jan - Dec	
Brushy Creek		2.4	240+	OP, Tail	Mar - Nov	
East Contra Costa I.D.						
Marsh Creek*		9.0		OP, Tail, U	Apr - Oct	
Sand Creek		2.0		OP, Tail, U	Apr - Oct	

* Urban ranchette influence

TABLE 44B - C1

CONSTRUCTED DRAINS WITHIN DRAINAGE BASIN 44B

Name	Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
EAST CONTRA COSTA ID						
Stenzel	P	1.8		Tile	Jan - Dec	
B	P	4.2		Tile	Jan - Dec	
C	P	2.6		Tile	Jan - Dec	
D	P	1.2		Tile	Jan - Dec	
BYRON-BETHANY ID						
Mikkelson-Cohelo Drain	E	1.5	450+	Tail,Tile	Jan - Dec	
Kellogg Creek Drain	E	4.5	960+	Tail,Tile	Jan - Dec	
Marsh Creek Rd Drain	E	2.7	1,920+	Tail,Tile	Mar - Nov	

TABLE 44B - C2

CONSTRUCTED CANALS WITHIN DRAINAGE BASIN 44B

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
BYRON-BETHANY ID					
45 Lateral 1 - North	CE	6.4	Delta		
45 North Lateral	CE	2.9	Delta		
EAST CONTRA COSTA ID					
Dredger Cut	E	0.9	Delta,GW	Mar - Oct	
Main Canal	C	5.6	Delta,GW	Mar - Oct	
2 North	C	0.3	Delta,GW	Mar - Oct	
3 North	C	2.4	Delta,GW	Mar - Oct	
3 North (east)	C	1.7	Delta,GW	Mar - Oct	
3 South	C	0.7	Delta,GW	Mar - Oct	
4 North	C	2.9	Delta,GW	Mar - Oct	
4 South	C	0.7	Delta,GW	Mar - Oct	
5 North	C	0.6	Delta,GW	Mar - Oct	
5 South	C	1.5	Delta,GW	Mar - Oct	
6 South	C	1.7	Delta,GW	Mar - Oct	
6 North	C	2.1	Delta,GW	Mar - Oct	
7 North	C	5.0	Delta,GW	Mar - Oct	
7 South	C	2.4	Delta,GW	Mar - Oct	

DRAINAGE BASIN 44C
SOUTH DELTA

Delta Drainage Basin 44C encompasses the southern portion of the Sacramento-San Joaquin Delta. It lies south of the Victoria Canal, Middle River, Robert's Island and the Atchison, Topeka and Santa Fe Railroad; west of the San Joaquin River from Mossdale to Rough and Ready Island; east of Coney Island; and north of Paradise Cut and Old River to Clifton Court Forebay.

The South Delta Basin is similar to the Central and North Delta Basins in that it is strongly influenced by tidal action. Major rivers which border the basin are: Old River, Middle River and channels of the San Joaquin River. Other major water bodies in the basin are Victoria Canal, North Canal, Fabian and Bell Canal, Grant Line Canal and Salmon Slough. These water bodies are influenced by the major water bodies that surround them, state and federal pumps near Clifton Court Forebay and tidal action.

Since the water bodies in the basin are dominated heavily by river flow, pumping action and tides, the constructed canals and natural water bodies in the South Delta are dominated by these estuary flows. Even though an argument can be made for designating certain streams, such as Old River, as natural water bodies dominated by agricultural supply, the estuary flow characteristics are considered more dominant. Tidal influences, in addition, are expected to have an even greater influence when planned barriers are in place in the South Delta. Two barriers have been constructed and two more are planned to be installed in 1993. The purpose of three of these barriers will be to replace San Joaquin River water in Old and Middle Rivers in the South Delta with better quality Sacramento River water.

Facilities, such as Victoria, Grant Line and Fabian Canals are constructed, but do not appear to be dominated by agricultural flow. An argument can be made since they are constructed that they should fit into another classification. Another classification does not exist at this time. However, constructed water bodies within reclamation districts which are either drains or supply canals were designed category (c) water bodies.

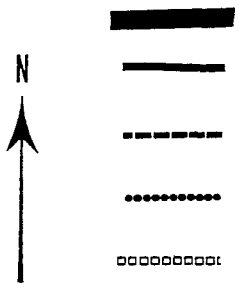
The South Delta Drainage Basin covers all of the following water, irrigation, reclamation and drainage agencies from which information on water bodies and agricultural facilities was received:

Reclamation District 2 (Union Island West)
Reclamation District 1 (Union Island East)
Reclamation District 773 (private landowners)
Reclamation District 2062 (Stewart Tract)
Reclamation District 2089 (Stark Tract)
Reclamation District 544 (Upper Roberts Island)
Reclamation District 524 (Middle Roberts Island)

A number of reports were received from individual farms within Reclamation Districts 773.

As opposed to farms in the Delta which rely on siphoning water, districts in this basin have constructed a number of water delivery canals, ditches and pipelines. In addition, the districts transport surface drainage water. Most of the return flows are tail water even though occasionally a system has a combined tail and tile water outflow.

DRAINAGE BASIN 44C



BASIN BOUNDARY

NATURAL CHANNEL DOMINATED BY SUPPLY WATER (B2)

NATURAL CHANNEL DOMINATED BY RETURN FLOWS (B1)

RECONSTRUCTED NATURAL CHANNEL DOMINATED BY AGRICULTURAL ACTIVITIES (C3)

NATURAL CHANNEL DOMINATED BY SUPPLY WATER AND RETURN FLOWS (B1+B2)

TABLE 44C - C1

CONSTRUCTED DRAINS WITHIN DRAINAGE BASIN 44C

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 773						
Bacchetti Farms						
	E	2.1	350	Tail	Jan - Dec	
Ranch #2	E	0.1	150	Tile	Jan - Dec	
Andresen Farms			130			
New Ditch to West	E	0.2		Tile	Jan - Dec	
East Ditch	E	0.5		Tile	Jan - Dec	
East Pipeline	P	0.2		Tile	Jan - Dec	
West Ditch	E	0.9		Tail	Jan - Dec	
Ciabattari Farm						
Drain Ditches	E	1.3	250	Tail	Jan - Dec	
Surface Drains	E	1.3		Tail	Jan - Dec	
Delta #401	E	4.7		Tail	Jan - Dec	
Bianchi (Fabian Tract)						
Drain Ditches (North)	E	0.1	190	Tail,Tile	Jan - Dec	
Drain Ditches (South)	E	0.1	227	Tail	Jan - Dec	
Drain Ditches (East)	E	0.1	77	Tail,Tile	Jan - Dec	
Grunaver Drain	E	1.2	305			
Arnaudo						
Bronich Ranch	E	1.5		Tail	Jan - Dec	
Banta Ranch	E	1.4		Tail	Jan - Dec	
Banta Ranch Pipe	P	0.2		Tail	Jan - Dec	
Yroz Property						
North-South Pipe Drains	P	2.5	245+			
West Drain Ditches	E	2.2	167			
Krohn Property						
Drain Water	E	0.4	147	Tail,Tile	Jan - Dec	
Burick						
Drainage Ditch 33	E	1.1	240	Tail	Jan - Dec	6
Drainage Ditch 23+	E	1.5	645	Tail	Jan - Dec	6
Annie Fabian Property						
Drainage Canals	E	5.8	660	Tail	Jan - Dec	
RECLAMATION DIST 524						
Middle Roberts Island						
West Drain	E	4.5		Tail	Jan - Dec	
East Drain	E	4.2		Tail	Jan - Dec	
Main Drain	E	0.7	13,687	Tail	Jan - Dec	
RECLAMATION DIST 2062						
Stewart Tract						
D-1	E	0.5		Tail	Jan - Dec	
D-2	E	0.2		Tail	Jan - Dec	
D-3	E	0.4		Tail	Jan - Dec	
D-4	E	0.5		Tail	Jan - Dec	
D-5	E	0.7		Tail	Jan - Dec	
D-6	E	1.0		Tail	Jan - Dec	
D-7	E	0.2		Tail	Jan - Dec	
D-8	E	0.8		Tail	Jan - Dec	
RECLAMATION DIST 2062						
Stewart Tract						
D-9	E	0.8		Tail	Jan - Dec	
D-10	E	0.3		Tail	Jan - Dec	
D-11	E	0.2		Tail	Jan - Dec	
D-12	E	2.0		Tail	Jan - Dec	
D-13	E	0.5		Tail	Jan - Dec	
D-14	E	0.4		Tail	Jan - Dec	
D-15	E	0.2		Tail	Jan - Dec	
D-16	E	0.3		Tail	Jan - Dec	
D-17	E	0.6		Tail	Jan - Dec	
D-18	E	0.2		Tail	Jan - Dec	
D-19	E	0.5		Tail	Jan - Dec	
D-20	E	0.7		Tail	Jan - Dec	
D-21	E	0.4		Tail	Jan - Dec	
D-22	E	0.4		Tail	Jan - Dec	
D-23	E	1.0		Tail	Jan - Dec	
D-24	E	0.8		Tail	Jan - Dec	
D-25	E	0.5		Tail	Jan - Dec	
D-26	E	0.5		Tail	Jan - Dec	

Table 44C-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 2062						
Stewart Tract						
D-27	E	0.2		Tail	Jan - Dec	
D-28	E	0.1		Tail	Jan - Dec	
RECLAMATION DIST 2089						
Stark Tract						
Drain A	E	0.3		Tail	Jan - Dec	
Drain B	E	0.3		Tail	Jan - Dec	
Drain C	E	0.3		Tail	Jan - Dec	
Drain D	E	1.2		Tail	Jan - Dec	
Drain E	E	0.7		Tail	Jan - Dec	
RECLAMATION DIST 2						
Union Island West						
Cochran Ranch	E	1.8		Tail	Jan - Dec	
DR 6	E	2.1		Tail	Jan - Dec	
DR 6-E	E	2.6		Tail	Jan - Dec	
DR 11	E	1.4		Tail	Jan - Dec	
DR 14	E	2.1		Tail	Jan - Dec	
DR 17	E	1.0		Tail	Jan - Dec	
DR 23 Main	E	0.7		Tail	Jan - Dec	
DR 23-E	E	1.8		Tail	Jan - Dec	
DR 23-W	E	1.4		Tail	Jan - Dec	
DR 25	E	2.0		Tail	Jan - Dec	
DR 39	E	0.9		Tail	Jan - Dec	
DR 47	E	1.1		Tail	Jan - Dec	
DR 52	E	1.9		Tail	Jan - Dec	
DR 52-E	E	0.4		Tail	Jan - Dec	
DR 53	E	2.2		Tail	Jan - Dec	
DR 53-E-1	E	0.7		Tail	Jan - Dec	
DR 53-E-2	E	0.6		Tail	Jan - Dec	
DR 56	E	1.1		Tail	Jan - Dec	
DR 56-W-1	E	0.4		Tail	Jan - Dec	
DR 56-W-2	E	0.4		Tail	Jan - Dec	
DR 56-E	E	0.4		Tail	Jan - Dec	
RECLAMATION DIST 1						
Union Island East						
DR 1-S	E	1.0		Tail	Jan - Dec	
DR 1	E	2.1		Tail	Jan - Dec	
DR 1-W-1	E	0.5		Tail	Jan - Dec	
DR 1-W-2	E	0.5		Tail	Jan - Dec	
DR 1-W-3	E	0.5		Tail	Jan - Dec	
RECLAMATION DIST 1						
Union Island East						
DR 2 Main	E	0.5		Tail	Jan - Dec	
DR 2-E	E	0.3		Tail	Jan - Dec	
DR 2-W	E	0.3		Tail	Jan - Dec	
DR 4	E	0.9		Tail	Jan - Dec	
DR 4-W-1	E	1.3		Tail	Jan - Dec	
DR 4-W-2	E	0.2		Tail	Jan - Dec	
DR 8	E	1.0		Tail	Jan - Dec	
DR 10	E	1.6		Tail	Jan - Dec	
DR 10-E	E	0.5		Tail	Jan - Dec	
DR 10-E-1	E	0.6		Tail	Jan - Dec	
DR 10-E-2	E	0.6		Tail	Jan - Dec	
DR 10-W	E	1.7		Tail	Jan - Dec	
DR 11	E	1.1		Tail	Jan - Dec	
DR 12	E	0.6		Tail	Jan - Dec	
DR 13	E	0.6		Tail	Jan - Dec	
DR 15 Main	E	0.2		Tail	Jan - Dec	
DR 15-E	E	3.8		Tail	Jan - Dec	
DR 15-W	E	1.1		Tail	Jan - Dec	
RECLAMATION DIST 554						
Upper Roberts Island						
DR 1	E	0.5		Tail	Jan - Dec	
DR 2	E	0.5		Tail	Jan - Dec	
DR 3	E	0.7		Tail	Jan - Dec	
DR 4 Main	E	0.5		Tail	Jan - Dec	
DR 4-N	E	0.7		Tail	Jan - Dec	
DR4-S	E	0.7		Tail	Jan - Dec	
DR 5 Main	E	0.7		Tail	Jan - Dec	

Table 44C-C1 continued:

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 554						
Upper Roberts Island						
DR 5-N	E	1.3		Tail	Jan - Dec	
DR 5-C	E	1.0		Tail	Jan - Dec	
DR 5-S	E	1.3		Tail	Jan - Dec	
DR 5-S-W	E	0.6		Tail	Jan - Dec	
DR 5-S-E	E	0.4		Tail	Jan - Dec	
DR 6	E	1.2		Tail	Jan - Dec	
DR 7	E	0.3		Tail	Jan - Dec	
DR 8	E	1.2		Tail	Jan - Dec	
DR 8-E	E	0.1		Tail	Jan - Dec	
DR 8-W	E	0.9		Tail	Jan - Dec	
DR 9	E	0.2		Tail	Jan - Dec	
DR 10	E	1.3		Tail	Jan - Dec	
DR 10-W	E	0.4		Tail	Jan - Dec	
DR 11	E	0.8		Tail	Jan - Dec	
DR 12	E	0.3		Tail	Jan - Dec	
DR 13	E	0.7		Tail	Jan - Dec	
DR 14	E	0.6		Tail	Jan - Dec	
DR 15	E	0.6		Tail	Jan - Dec	
DR 16	E	0.7		Tail	Jan - Dec	
DR 17 Main	E	0.8		Tail	Jan - Dec	
DR 17-N	E	1.0		Tail	Jan - Dec	
DR 18 Main	E	0.8		Tail	Jan - Dec	
DR 18-N-1	E	0.5		Tail	Jan - Dec	
DR 18-N-2	E	0.5		Tail	Jan - Dec	
DR 18-N-3	E	0.5		Tail	Jan - Dec	
DR 19	E	1.9		Tail	Jan - Dec	
DR 20 Main	E	1.8		Tail	Jan - Dec	
DR 20-W	E	0.8		Tail	Jan - Dec	
DR 20-S	E	0.2		Tail	Jan - Dec	

TABLE 44C - C2

CONSTRUCTED CANALS WITHIN DRAINAGE BASIN 44C

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 773					
Bacchetti Farms					
RANCH #1	C	0.4	Delta	Jan - Dec	
	P	0.9	Delta	Jan - Dec	
RANCH # 2	C	0.4	Delta	Jan - Dec	
	P	0.1	Delta	Jan - Dec	
Andresen Farms					
Irrigation Ditch	C	0.9	Delta	Jan - Dec	
Ciabattari/D. C. Farms					
Finck Rd Ditch	C	0.8	Delta	Jan - Dec	
Cement Ditch	C	1.3	Delta	Jan - Dec	
Open Irr. Ditch	E	1.0	Delta	Jan - Dec	
Delta #401	C	1.6	Delta	Jan - Dec	
Bianchi (Fabian Tract)					
Cement Ditch	C	0.1	Delta	Jan - Dec	
Irrigation Ditches	E	0.3	Delta	Jan - Dec	
Irrigation Pipeline	P	0.02	Delta	Jan - Dec	
Arnaudo					
Arnaudo			Delta	Jan - Dec	
Yroz Property					
Cement Ditches	C	3.0	Delta	Jan - Dec	
Irrigation Pipe Line	P	1.5	Delta	Jan - Dec	
Krohn Property					
Dirt Ditch	E	0.3	Delta	Jan - Dec	
Concrete Ditches	C	1.0	Delta	Jan - Dec	
Fabian Tract					
Granar Drain			Delta	Jan - Dec	
Burick					
South	E	1.1	Delta	Jan - Dec	6
North	E	1.5	Delta	Jan - Dec	6
Annie Fabian Property					
Supply Canals	C	1.6	Delta	Jan - Dec	
RECLAMATION DIST 524					
Middle Roberts Island					
District Total	E	13.3	Delta	Jan - Dec	
RECLAMATION DIST 2062					
Stewart Tract					
I-1	E	0.3	Delta	Jan - Dec	1,8
I-2	E	0.3	Delta	Jan - Dec	1,8
I-3	E	0.3	Delta	Jan - Dec	1,8
I-4	E	0.3	Delta	Jan - Dec	1,8
I-5	E	0.1	Delta	Jan - Dec	1,8
I-6	E	0.5	Delta	Jan - Dec	1,8
I-7	E	0.9	Delta	Jan - Dec	1,8
C-1	E	0.5	Delta	Jan - Dec	1,8
C-2	E	0.3	Delta	Jan - Dec	1,8
P-1	E	0.2	Delta	Jan - Dec	1,8
P-2	E	2.5	Delta	Jan - Dec	1,8
P-3	E	0.5	Delta	Jan - Dec	1,8
P-4	E	0.5	Delta	Jan - Dec	1,8
P-5	E	0.3	Delta	Jan - Dec	1,8
P-6	E	0.4	Delta	Jan - Dec	1,8
P-7	E	0.5	Delta	Jan - Dec	1,8
P-8	E	0.6	Delta	Jan - Dec	1,8
P-9	E	0.3	Delta	Jan - Dec	1,8
P-10	E	0.3	Delta	Jan - Dec	1,8
P-11	E	0.5	Delta	Jan - Dec	1,8
P-12	E	1.3	Delta	Jan - Dec	1,8
P-13	E	0.4	Delta	Jan - Dec	1,8
P-14	E	1.2	Delta	Jan - Dec	1,8
P-15	E	0.3	Delta	Jan - Dec	1,8
P-16	E	0.2	Delta	Jan - Dec	1,8
P-17	E	0.2	Delta	Jan - Dec	1,8
P-18	E	0.1	Delta	Jan - Dec	1,8
P-19	E	0.4	Delta	Jan - Dec	1,8

Table 44C-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
RECLAMATION DIST 2062					
Stewart Tract					
P-20	E	0.3	Delta	Jan - Dec	1,8
P-21	E	0.2	Delta	Jan - Dec	1,8
P-22	E	0.4	Delta	Jan - Dec	1,8
P-23	E	0.1	Delta	Jan - Dec	1,8
P-24	E	0.5	Delta	Jan - Dec	1,8
P-25	E	0.5	Delta	Jan - Dec	1,8
P-26	E	0.4	Delta	Jan - Dec	1,8
P-27	E	0.4	Delta	Jan - Dec	1,8
P-28	E	0.4	Delta	Jan - Dec	1,8
P-29	E	0.4	Delta	Jan - Dec	1,8
P-30	E	0.4	Delta	Jan - Dec	1,8
P-31	E	0.3	Delta	Jan - Dec	1,8
P-32	E	0.2	Delta	Jan - Dec	1,8
P-33	E	0.5	Delta	Jan - Dec	1,8
P-34	E	0.6	Delta	Jan - Dec	1,8
P-35	E	0.2	Delta	Jan - Dec	1,8
P-36	E	0.2	Delta	Jan - Dec	1,8
P-37	E	0.2	Delta	Jan - Dec	1,8
P-38	E	0.4	Delta	Jan - Dec	1,8
P-39	E	0.4	Delta	Jan - Dec	1,8
P-40	E	0.1	Delta	Jan - Dec	1,8
P-41	E	0.3	Delta	Jan - Dec	1,8
P-42	E	0.3	Delta	Jan - Dec	1,8
P-43	E	1.0	Delta	Jan - Dec	1,8
P-44	E	0.6	Delta	Jan - Dec	1,8
P-45	E	0.3	Delta	Jan - Dec	1,8
P-46	E	0.9	Delta	Jan - Dec	1,8
P-47	E	0.6	Delta	Jan - Dec	1,8
P-48	E	0.8	Delta	Jan - Dec	1,8
P-49	E	0.1	Delta	Jan - Dec	1,8
P-50	E	0.2	Delta	Jan - Dec	1,8
P-51	E	0.8	Delta	Jan - Dec	1,8
RECLAMATION DIST 2089					
Stark Tract					
District Total	E	4.1	Delta	Jan - Dec	
RECLAMATION DIST 2					
Union Island - West					
IR-1	E	1.8	Delta	Jan - Dec	
IR-4	E	4.3	Delta	Jan - Dec	
IR-8	E	1.4	Delta	Jan - Dec	
IR-13	E	0.6	Delta	Jan - Dec	
IR-16	E	0.8	Delta	Jan - Dec	
IR-50	E	2.1	Delta	Jan - Dec	
IR-53	E	2.5	Delta	Jan - Dec	
IR-54	E	1.4	Delta	Jan - Dec	
IR-55	E	2.3	Delta	Jan - Dec	
RECLAMATION DIST 1					
Union Island - East					
District Total	E	19.5	Delta	Jan - Dec	
RECLAMATION DIST 554					
Upper Roberts Island					
District Total	E	4.0	Delta	Jan - Dec	

DRAINAGE BASIN 45

Drainage Basin 45 is composed of the valley floor portion of Madera County. This includes the Fresno and Chowchilla River Basins. Four water supply agencies, the:

Madera Irrigation District
Gravely Ford Water District
Columbia Canal Company
Chowchilla Water District

which cover 233,949 acres, supplied details of facilities within their districts. These 4 agencies have authority over water supply within their boundaries. The Madera County Flood Control and Water Conservation District, which covers the entire Drainage Basin, has drainage and flood control authority.

The entire drainage basin is semi-arid in nature and water supplies and natural flows are highly regulated for agricultural irrigation. As a result, many rivers and sloughs are dry in those reaches not being used for irrigation related activities. Because the area is water short, little or no surface tailwater is returned to the natural drainage system. A large portion of the drainage basin, especially in the western portion, has no surface water supply and, therefore, little or no natural flow or runoff.

An analysis shows that all or portions of ten water bodies are natural streams that are dominated by agricultural drainage or irrigation supply water. These water bodies include:

Lone Willow Slough	Cottonwood Creek
Root Creek	Chowchilla River
Schmidt Creek	Berenda Slough
Fresno River	Ash Slough
Berenda Creek	Dry Creek

The agriculturally dominated reaches of these water bodies are listed in Tables 45-B1 and 45-B2 and described in more detail below. In addition, constructed agricultural drains and supply channels are listed in Tables 45-C1 and 45-C2, respectively.

Monitoring in this basin should emphasize spills into the San Joaquin River, the only perennial natural water body in this area.

CATEGORY B1 WATER BODIES

ROOT CREEK: Root Creek is a very small ephemeral stream which carries wet weather flows but rarely has any natural flow beyond this period. Approximately two miles of the Creek within the Madera Irrigation District boundaries is dominated by agricultural drainage flows. The flows either dry up or reintroduced into the agricultural irrigation supply.

DRAINAGE BASIN 45

LONEWILLOW SLOUGH: Lonewillow Slough is an old flood channel of the San Joaquin River extending from near Mendota to the Fresno River. The Slough was cut off from the San Joaquin River with the construction of the Eastside Bypass. With the construction of Friant Dam, the Slough rarely runs natural flood flows. The Slough has no natural flow. There are discharges of tailwater into various reaches of the Slough, but these are not sufficient to cause a continuous flow. The Slough is dominated by these flows as there is no other flow in the Slough. Some of these tailwater flows are extracted for agricultural use.

SCHMIDT CREEK: Schmidt Creek is a small ephemeral stream which carries wet weather flows from a 20 square mile area. A 1.5 mile reach of the creek may receive agricultural return flows. However, during normal rainfall years, the entire creekbed remains dry during the irrigation season.

CATEGORY B2 WATER BODIES

FRESNO RIVER: The portion of the Fresno River in the study area is highly regulated. The only natural flow occurs during very wet years. Irrigation releases dominate flow in the river from the eastern boundary of the study area (Madera Canal) to immediately upstream of the AT&SF railroad tracks (Sec 8, T11S, R18E) which is the Madera Irrigation District diversion point. Flows in this reach of the river originate from Hidden Dam upstream on the Fresno River and releases from the Madera Canal which carries San Joaquin River water from Friant Dam. Quality in this reach of the river reflects the excellent water quality supply. These flows occur from February to October during normal runoff years. Downstream of this diversion point, the Fresno River is a dry river bed with little or no return flows from irrigated agriculture.

BERENDA CREEK and DRY CREEK: Berenda and Dry Creeks are small ephemeral streams that carry flow seasonally during very wet periods. These creeks have little or no natural flow except during flood runoff periods. These flood runoff channels have been modified to carry irrigation supply water which is released from the Madera Canal. After release, flows are diverted again downstream. In Dry Creek, flows continue to Road 16 where any excess water is diverted into a canal which drains to the Fresno River west of Highway 99. Berenda Creek carries operational spill water for redistribution downstream until it reaches Road 9 where flows are diverted by canal into Dry Creek. Irrigation flow generally occurs from March through October, but not always on a continuous basis. In the absence of these flows, these creek channels are normally dry.

COTTONWOOD CREEK: Cottonwood Creek is a small ephemeral stream that carries flow seasonally during very wet periods. This creek has no natural flow except during flood runoff periods. The stream channel has been modified to carry irrigation supply water that is released into the channel by Madera Irrigation District. Such releases only occur during wet years. During

normal rainfall years, some tailwater does collect along a two-mile reach of the creek just east of the Atchison-Topeka and Santa Fe Railroad. The supply flows are all diverted within the District boundaries except when supplies are sufficient to carry flow into the Gravely Ford Water District immediately west of the Madera Irrigation District boundary. Irrigation flows generally occur from March through October but not always on a continuous basis. In the absence of these flows, this creek channel would be dry.

CHOWCHILLA RIVER: The portion of the Chowchilla River within the study area is highly regulated and dominated by irrigation supply flows. Water is stored upstream in the Buchanan Dam for irrigation during the spring and summer months. Fish release flows are made from the Dam; however, little water makes it downstream to the study area. The river channel is a rehabilitated channel. Irrigation releases from Buchanan Dam are primarily diverted into Berenda Slough although some flows continue downstream but not on a continuous basis. Irrigation flows in the channel occur from March through September due to a diversion from the Madera Canal. In the absence of these flows, the River channel would be dry except during high winter flows. The water is again diverted into irrigation supply canals 12 miles downstream. Water quality reflects those released from the Buchanan Dam and is excellent quality. The Department of Food and Agriculture uses a herbicide in Buchanan Reservoir (Eastman Lake) to control hydrilla, but its impact on downstream water quality is unknown. There are no tailwater discharges allowed to enter the river channel from the Chowchilla Water District.

BERENDA SLOUGH: Berenda Slough is a small ephemeral flood channel off the Chowchilla River. This Slough has little or no natural flow except during flood runoff periods. The Slough has been modified to carry irrigation supply water, which is either diverted from the Buchanan Dam (via the Chowchilla River) or released from the Madera Canal which carries San Joaquin River water. Irrigation supply water dominates flows in the Slough from March to October but not always on a continuous basis. Most of the flow is diverted at the Berenda Reservoir. Downstream of this point, the Slough channel is normally dry. There are three operational spills in the downstream portion. At one spill near Dairyland, a seasonal dam is used to pond the water for diversion into supply laterals. The remaining reaches of the Slough are dry.

ASH SLOUGH: Ash Slough is a small ephemeral flood channel off the Chowchilla River. This Slough has little or no natural flow except during flood runoff periods. The Slough has been modified to carry irrigation supply water. From March to October, irrigation supply water flows are released via the main canal spill which takes water from Berenda Slough Reservoir. Most of the flows are diverted about one mile downstream of Highway 99. Downstream of this point, the Slough is normally dry. There are two operational spills in the downstream portion, but these flows are not significant, and the majority of the Slough is dry. There are no tailwater drainage flows to the Slough.

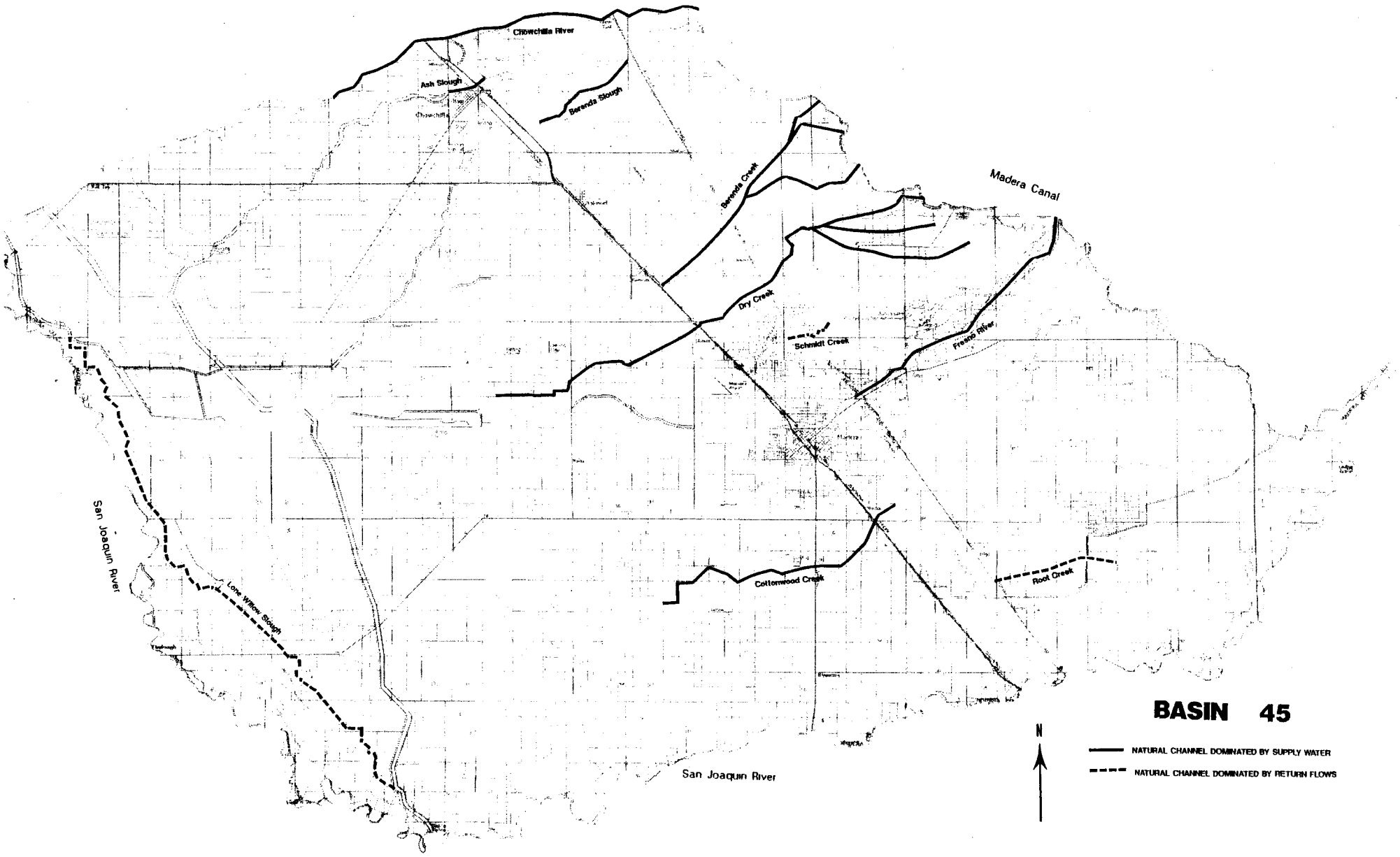

Chowchilla River
Ash Slough
Berenda Slough
Berenda Creek
Madera Canal
Dry Creek
Schmidt Creek
Fresno River
San Joaquin River
Lone Willow Slough
Cottonwood Creek
Root Creek
San Joaquin River
BASIN 45
N
NATURAL CHANNEL DOMINATED BY SUPPLY WATER
NATURAL CHANNEL DOMINATED BY RETURN FLOWS

TABLE 45 - B1

NATURAL CHANNELS WITHIN DRAINAGE BASIN 45
DOMINATED BY AGRICULTURAL RETURN FLOWS

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Root Creek	E	2		U, Tail	Mar-Oct	1, 6, 7
Schmidt Creek	E	1.5		U, Tail	Mar-Oct	1, 6, 7
Lonewillow Slough	E	18		Tail	Mar-Oct	1, 6

TABLE 45 - B2

NATURAL CHANNELS WITHIN DRAINAGE BASIN 45
DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Chowchilla River	E	11.0	Precipitation	Mar - Sep	None
Berenda Slough	E	1.7	Chowchilla River	Mar - Sep	None
Ash Slough	E	5.0	Chowchilla River	Mar - Sep	None
Berenda Creek	E	9.0	**Madera Canal	Jan - Oct	1, 6, 7
Cottonwood Creek	E	20.0	*Madera Canal	Jan - Oct	1, 6, 7
Fresno River	E	6.0	*Madera Canal	Jan - Oct	1, 6, 7
Dry Creek	E	7.0	**Madera Canal	Jan - Oct	1, 6, 7

* = Water comes jointly from Hidden Dam via the Fresno River and Friant Dam via the Madera Canal.

** = Madera Canal water only.

TABLE 45 - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN DRAINAGE BASIN 45

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
ButtonWillow Drain	E	12.3	9263	Tail	Feb - Oct	
Houk Drain	E	1.6	320	Tail	Feb - Oct	
River Drain	E	5.5	Spill	Tail	Feb - Oct	
Yip Drain	E	0.5	250	Tail	Feb - Oct	
Ridge Drain	E	2	835	Tail	Feb - Oct	
Allen Ridge	E	5	180	Tail	Feb - Oct	
Hutchkiss Drain	E	3	135	Tail	Feb - Oct	
Berenda Drain	E	1.5	288	Tail	Feb - Oct	
Sausalito Drain	E	1.5	400	Tail	Feb - Oct	
7-6 Drain	E	2.4	456	Tail	Feb - Oct	
N-1 Drain	E	2.7	720	Tail	Feb - Oct	
Mowry Drain	E	2	408	Tail	Feb - Oct	
Lift Drain	E	1.6	645	Tail	Feb - Oct	
Newhall Drain	E	3.2	567	Tail	Feb - Oct	

TABLE 45 - C2

CONSTRUCTED AGRICULTURAL SUPPLY CANALS WITHIN DRAINAGE BASIN 45

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Madera ID					
Madera Canal	CE	36	*SJR	Feb-Oct	
Lateral 6.2	E	21.6	SJR		
Lateral 6.2 - Wasteway	E	1.6	SJR	Feb-Oct	
Lateral 6.2 - Extension	P	5.4	SJR	Feb-Oct	
Lateral 6.2 - 20.6	P	0.2	SJR	Feb-Oct	
Lateral 6.2 - 21.1	P	0.5	SJR	Feb-Oct	
Lateral 6.2 - 9.2	EP	7.5	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 3.2	EP	2.5	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 3.2 Wasteway	E	0.6	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 3.2 - 1.7	E	0.3	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 4.5	E	0.3	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 5.0	EP	2.8	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 5.0 - 1.7	P	0.8	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 5.0 - 3.0	E	0.5	SJR	Feb-Oct	
Lateral 6.2 - 9.2 - 7.4	E	1	SJR	Feb-Oct	
Lateral 6.2 - 10.7	E	0.8	SJR	Feb-Oct	
Lateral 6.2 - 13.4	E	0.5	SJR	Feb-Oct	
Lateral 6.2 - 14.0	EP	3.3	SJR	Feb-Oct	
Lateral 6.2 - 14.5	EP	3.5	SJR	Feb-Oct	
Lateral 6.2 - 14.5 - 0.5	EP	2.3	SJR	Feb-Oct	
Lateral 6.2 - 14.5 - 0.5 - 1.0	P	0.5	SJR	Feb-Oct	
Lateral 6.2 - 14.5 - 0.5 - 1.8	P	0.3	SJR	Feb-Oct	
Lateral 6.2 - 14.9	P	1.5	SJR	Feb-Oct	
Lateral 6.2 - 15.9	EP	5.6	SJR	Feb-Oct	
Lateral 6.2 - 15.9 - 2.0	EP	0.1	SJR	Feb-Oct	
Lateral 6.2 - 15.9 - 3.5 WW	P	0.5	SJR	Feb-Oct	
Lateral 6.2 - 16.9 WW to 16.9	E	0.5	SJR	Feb-Oct	
Lateral 6.2 - 16.9	E	9.6	SJR	Feb-Oct	
Lateral 6.2 - 16.9 WW	E	1.8	SJR	Feb-Oct	
Lateral 6.2 - 16.9 - 7.0	E	1	SJR	Feb-Oct	
Lateral 6.2 - 18.4	EP	9	SJR	Feb-Oct	
Lateral 6.2 - 18.4 - 6.0	P	0.5	SJR	Feb-Oct	
Lateral 6.2 - 18.4 - 8.5	P	0.5	Fresno River, SJR	Feb-Oct	
Island Tract	P	1.8	Fresno River, SJR	Feb-Oct	
Island Tract Lateral 0.3	P	1	Fresno River, SJR	Feb-Oct	
Main	E	4.5	Fresno River, SJR	Feb-Oct	
Lateral Main I	EP	9.2	Fresno River, SJR	Feb-Oct	
Lateral Main - Stockton	P	3.5	Fresno River, SJR	Feb-Oct	
Lateral Main - Clark	P	1.6	Fresno River, SJR	Feb-Oct	
Lateral Main I - Colony	EP	3.2	Fresno River, SJR	Feb-Oct	
Lateral Main I - Colony No. 1	P	0.4	Fresno River, SJR	Feb-Oct	
Lateral Main I - Colony Extension	EP	4.5	Fresno River, SJR	Feb-Oct	
Lateral Main I - Colony Ext. Lat.	E	1	Fresno River, SJR	Feb-Oct	
Lateral Main I - China Garden	EP	2.3	Fresno River, SJR	Feb-Oct	
Lateral Main I - Desmond	EP	3	Fresno River, SJR	Feb-Oct	
Lateral Main I - Desmond Lateral	P	0.5	Fresno River, SJR	Feb-Oct	
Lateral Main I - 3.0	P	1.4	Fresno River, SJR	Feb-Oct	
Lateral Main I - Schmitz	EP	2.1	Fresno River, SJR	Feb-Oct	
Lateral Main I - Sanderson	EP	0.9	Fresno River, SJR	Feb-Oct	
Lateral Main I - Cody	P	3.2	Fresno River, SJR	Feb-Oct	
Lateral Main I - Cody Lateral	P	0.8	Fresno River, SJR	Feb-Oct	
Lateral Main I - 5.4	P	0.1	Fresno River, SJR	Feb-Oct	
Lateral Main I - Butin	EP	2.3	Fresno River, SJR	Feb-Oct	
Lateral Main I - Butin - Conley	P	0.4	Fresno River, SJR	Feb-Oct	
Lateral Main I - Linville	EP	1.1	Fresno River, SJR	Feb-Oct	
Lateral Main I - 6.2	EP	0.3	Fresno River, SJR	Feb-Oct	
Lateral Main I - 6.7	P	0.5	Fresno River, SJR	Feb-Oct	
Lateral Main I - Sec 8	E	3	Fresno River, SJR	Feb-Oct	
Lateral Main I - Sec 8 North Lateral	EP	1.5	Fresno River, SJR	Feb-Oct	
Lateral Main I - Sec 8 Lateral	P	0.75	Fresno River, SJR	Feb-Oct	
Main Hospital	EP	3.5	Fresno River, SJR	Feb-Oct	
Main Hospital Lateral	P	3.5	Fresno River, SJR	Feb-Oct	
Main Hely	E	0.9	Fresno River, SJR	Feb-Oct	
Lateral Main II	E	4.8	Fresno River, SJR	Feb-Oct	
Lateral Main II - 0.2	P	0.4	Fresno River, SJR	Feb-Oct	

*SJR = San Joaquin River

Table 45-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Madrea ID cont'd					
Lateral Main II - 2.3	EP	1.1	Fresno River, *SJR	Feb-Oct	
Lateral Main II - Burgess	EP	2.6	Fresno River, SJR	Feb-Oct	
Lateral Main II - Burgess Lateral	E	0.4	Fresno River, SJR	Feb-Oct	
Lateral Main II -Hughes	EP	4.4	Fresno River, SJR	Feb-Oct	
Lateral Main II - Hughes Lateral	EP	1.6	Fresno River, SJR	Feb-Oct	
Lateral Main II - Kenney	E	1.4	Fresno River, SJR	Feb-Oct	
Lateral Main II - Ripperdan	EP	6.2	Fresno River, SJR	Feb-Oct	
Lateral Main II - Ripperdan 1.8	EP	2.1	Fresno River, SJR	Feb-Oct	
Cottonwood Creek Lateral	EP	2	Fresno River, SJR	Feb-Oct	
Cottonwood Creek Lateral South	EP	1.2	Fresno River, SJR	Feb-Oct	
Mordecai	P	0.5	Fresno River, SJR	Feb-Oct	
Hargrove	E	1.9	Fresno River, SJR	Feb-Oct	
Hargrove No. 1	P	0.5	Fresno River, SJR	Feb-Oct	
Hargrove No. 2	P	0.3	Fresno River, SJR	Feb-Oct	
Hargrove No. 5	P	2	Fresno River, SJR	Feb-Oct	
Bordenave Spill	P	1.3	Fresno River, SJR	Feb-Oct	
Lavina	P	0.5	Fresno River, SJR	Feb-Oct	
Schubert	P	1.5	Fresno River, SJR	Feb-Oct	
Schubert Lateral	P	0.4	Fresno River, SJR	Feb-Oct	
Galeener	EP	3	Fresno River, SJR	Feb-Oct	
Galeener Lateral	E	0.8	Fresno River, SJR	Feb-Oct	
Lateral 24.2	EP	11	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 8.9	EP	2.2	SJR	Feb-Oct	
Lateral 24.2 - 8.9 - 1.0	EP	1	SJR	Feb-Oct	
Lateral 24.2 - 9.0	EP	4.8	SJR	Feb-Oct	
Lateral 24.2 - 9.0 - 1.7	P	0.5	SJR	Feb-Oct	
Lateral 24.2 - 9.0 - 2.2	P	0.7	SJR	Feb-Oct	
Lateral 24.2 - 9.0 - 3.3	P	0.3	SJR	Feb-Oct	
Lateral 24.2 - 10.0	P	0.3	SJR	Feb-Oct	
Lateral 24.2 - 11.0	E	0.5	SJR	Feb-Oct	
Lateral 24.2 - 13.2	EP	6.9	SJR	Feb-Oct	
Lateral 24.2 - 14.2	EP	1.8	SJR	Feb-Oct	
Lateral 24.2 - 14.3	E	0.5	SJR	Feb-Oct	
Lateral 24.2 - 17.0	EP	5.5	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 17.0 - 2.3	P	0.6	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 17.6	P	0.6	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 19.5	EP	2	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 19.6	E	1.8	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 21.1 West	P	0.5	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 21.1 South	P	0.3	Fresno River, SJR	Feb-Oct	
Lateral 24.2 - 21.1 East	P	0.5	Fresno River, SJR	Feb-Oct	
Dry Creek Lateral	EP	2.4	SJR	Feb-Oct	
Airport	EP	2.2	SJR	Feb-Oct	
Airport 1.0 West	EP	1.5	SJR	Feb-Oct	
Dixieland	EP	9.9	SJR	Feb-Oct	
Lateral 32.2	EP	15	SJR	Feb-Oct	
Lateral 32.2 - 9.9	E	6.8	SJR	Feb-Oct	
Lateral 32.2 - 9.9 - 0.1	E	2.4	SJR	Feb-Oct	
Lateral 32.2 - 9.9 - 1.0	E	2.5	SJR	Feb-Oct	
Lateral 32.2 - 9.9 - 1.5	E	2.5	SJR	Feb-Oct	
Lateral 32.2 - 9.9 - 2.0	E	3	SJR	Feb-Oct	
Lateral 32.2 - 9.9 - 6.5	E	0.5	SJR	Feb-Oct	
Improvement	E	3.9	SJR	Feb-Oct	
Improvement Lateral	P	0.7	SJR	Feb-Oct	
Lateral 32.2 - 10.2	E	2.3	SJR	Feb-Oct	
Lateral 32.2 - 11.7	E	0.5	SJR	Feb-Oct	
Lateral 32.2 - 12.2	E	0.5	SJR	Feb-Oct	
Lateral 32.2 - 12.7	E	0.4	SJR	Feb-Oct	
Lateral 32.2 - 13.2	E	2.8	SJR	Feb-Oct	
Lateral - Jentzen - Schroeder	P	0.9	SJR	Feb-Oct	
Lateral 13.2 - 2.5	EP	1.7	SJR	Feb-Oct	
Lateral - Kilday	E	1.8	SJR	Feb-Oct	
Berenda Drain	E	1.2	SJR	Feb-Oct	
Berenda Drain 0.5	E	0.5	SJR	Feb-Oct	
Gravely-Ford WD					
Gravely Ford Canal	E	8	SJR,Cottonwood Creek	Feb - Oct	
Columbia Canal Co.					
Columbia Main	E	22	DMC,Delta	Feb - Oct	2
Columbia Pomona	E	5.5	DMC,Delta	Feb - Oct	2

*SJR = San Joaquin River

*DMC = Delta Mendota Canal

Table 45-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Ridge Supply	C	0.6	DMC,Delta	Feb - Oct	2
Columbia Canal Co. cont'd					
Ridge Main	E	9.5	*DMC,Delta	Feb - Oct	2
Columbia 7B Lateral	E	2.5	DMC,Delta	Feb - Oct	2
Columbia 8A Lateral	E	1.7	DMC,Delta	Feb - Oct	2
Columbia River Lateral	E	4.7	DMC,Delta	Feb - Oct	2
Ridge - Stoddard Lateral	E	2.3	DMC,Delta	Feb - Oct	2
Ridge - Sausalito Lateral	E	5.1	DMC,Delta	Feb - Oct	2
Ridge Road Lateral	E	3.5	DMC,Delta	Feb - Oct	2
Mowry	E	2.7	DMC,Delta	Feb - Oct	2
Chowchilla WD					
Main Canal	E	1.2	*MC,*CR	Mar - Sep	
Lateral 2	E	3.9	MC,CR	Mar - Sep	
Lateral 2A	E	2.2	MC,CR	Mar - Sep	
Lateral 3	E	7.4	MC,CR	Mar - Sep	
Lateral 3A	E	2.2	MC,CR	Mar - Sep	
Lateral 3B	E	1.6	MC,CR	Mar - Sep	
Lateral 4	E	8.7	MC,CR	Mar - Sep	
Lateral 4B (Madera County)	E	0.2	MC,CR	Mar - Sep	
Main Canal	E	3	MC,CR	Mar - Sep	
No. 11 P.L.	P	0.8	MC,CR	Mar - Sep	
Ash Slough Bypass	E	2.6	MC,CR	Mar - Sep	
Ash Main Canal	E	6.3	MC,CR	Mar - Sep	
Hughes Canal Lateral A	E	1.6	MC,CR	Mar - Sep	
Lateral B	E	0.5	MC,CR	Mar - Sep	
Lateral C	E	1.5	MC,CR	Mar - Sep	
Lateral C1	E	0.8	MC,CR	Mar - Sep	
Lateral C1A	E	0.2	MC,CR	Mar - Sep	
Lateral C2	E	0.8	MC,CR	Mar - Sep	
Lateral C3	E	0.2	MC,CR	Mar - Sep	
Lateral A	E	3	MC,CR	Mar - Sep	
Lateral A2	E	0.6	MC,CR	Mar - Sep	
Lateral A3	E	0.8	MC,CR	Mar - Sep	
Lateral A3A	E	0.3	MC,CR	Mar - Sep	
Justin Canal	E	5.3	MC,CR	Mar - Sep	
Justin Lateri B	E	3.5	MC,CR	Mar - Sep	
Berenda Canal	E	13.7	MC,CR	Mar - Sep	
Chowchilla River Bypass	E	1.3	MC,CR	Mar - Sep	
No. 16 P.L.	P	3.2	MC,CR	Mar - Sep	
Lateral 3.0	E	0.2	MC,CR	Mar - Sep	
Lateral 1.0	E	0.1	MC,CR	Mar - Sep	
Lateral 1.5	E	0.6	MC,CR	Mar - Sep	
No. 6 P.L.	P	1.9	MC,CR	Mar - Sep	
No. 13 P.L.	P	0.9	MC,CR	Mar - Sep	
Ashview Canal	E	5	MC,CR	Mar - Sep	
Lateral A	E	2.4	MC,CR	Mar - Sep	
Lateral B	E	3.2	MC,CR	Mar - Sep	
Lateral BA	E	0.2	MC,CR	Mar - Sep	
Lateral B1	E	0.7	MC,CR	Mar - Sep	
Lateral B2	E	0.4	MC,CR	Mar - Sep	
No. 9 P.L.	P	0.2	MC,CR	Mar - Sep	
Ash Main Spill	E	3	MC,CR	Mar - Sep	
Romeri Lateral	E	0.2	MC,CR	Mar - Sep	
Chapman Lateral	E	0.4	MC,CR	Mar - Sep	
Maddalena Lateral	E	0.3	MC,CR	Mar - Sep	
Bethel Lateral	E	5.5	MC,CR	Mar - Sep	
Bethel Lateral A	E	2.5	MC,CR	Mar - Sep	
Bethel Lateral B	E	0.1	MC,CR	Mar - Sep	
Wood Lateral	E	0.6	MC,CR	Mar - Sep	
Bethel Extension	E	3	MC,CR	Mar - Sep	
No. 12 P.L.	P	0.1	MC,CR	Mar - Sep	
Alexander Lateral	E	0.2	MC,CR	Mar - Sep	
Avenue 18 1/2 P.L.	P	0.2	MC,CR	Mar - Sep	
Eastman Lateral	E	3	MC,CR	Mar - Sep	
Robertson Lateral	EP	1.3	MC,CR	Mar - Sep	
No. 10 P.L.	P	0.2	MC,CR	Mar - Sep	
Lateral 3.0	E	0.2	MC,CR	Mar - Sep	
Lateral 4.0	E	0.8	MC,CR	Mar - Sep	
Lateral 4.0A	E	0.6	MC,CR	Mar - Sep	

*DMC = Delta Mendota Canal

*MC = Madera Canal

*CR = Chowchilla River

Table 45-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Chowchilla WD cont'd					
Lateral 4.5	E	1.1	*MC,*CR	Mar - Sep	
Rav Lateral	E	0.5	MC,CR	Mar - Sep	
Berenda P.L.	P	2.3	MC,CR	Mar - Sep	
Lateral 0.5	P	0.4	MC,CR	Mar - Sep	
Lateral 0.8	P	0.1	MC,CR	Mar - Sep	
Lateral 1.0	P	0.1	MC,CR	Mar - Sep	
Lateral 0.7A	P	0.4	MC,CR	Mar - Sep	
Lateral 0.7	P	0.7	MC,CR	Mar - Sep	
Lateral 0.7B	P	0.2	MC,CR	Mar - Sep	
Lateral 1.5L	P	0.2	MC,CR	Mar - Sep	
Lateral 1.5R	P	0.7	MC,CR	Mar - Sep	
Lateral 2.0R	P	0.4	MC,CR	Mar - Sep	
Lateral 2.0L	P	0.2	MC,CR	Mar - Sep	
Lateral 2.3	P	0.2	MC,CR	Mar - Sep	
Lateral 2.5	P	0.7	MC,CR	Mar - Sep	
Lateral 3.0	P	0.6	MC,CR	Mar - Sep	
Central P.I.	P	4.5	MC,CR	Mar - Sep	
Lateral 1.25	P	0.3	MC,CR	Mar - Sep	
Lateral 1.5	P	1.4	MC,CR	Mar - Sep	
Lateral 1.7R	P	0.1	MC,CR	Mar - Sep	
Lateral 1.7L	P	0.1	MC,CR	Mar - Sep	
Lateral 2.0	P	0.8	MC,CR	Mar - Sep	
Lateral 2.2	P	0.9	MC,CR	Mar - Sep	
Lateral 2.5	P	3.3	MC,CR	Mar - Sep	
Lateral 2.8	P	0.5	MC,CR	Mar - Sep	
Lateral 2.6	P	0.1	MC,CR	Mar - Sep	
Lateral 3.0	P	0.1	MC,CR	Mar - Sep	
Lateral 3.5	P	0.3	MC,CR	Mar - Sep	
Lateral 3.5A	P	0.1	MC,CR	Mar - Sep	
Lateral 3.6	P	0.1	MC,CR	Mar - Sep	
Lateral 3.9	P	0.8	MC,CR	Mar - Sep	
Lateral 4.0	P	0.4	MC,CR	Mar - Sep	
Lateral 4.5	P	0.4	MC,CR	Mar - Sep	
Lateral 8.0	P	0.1	MC,CR	Mar - Sep	
El Nueva P.L.	P	2.8	MC,CR	Mar - Sep	
Lateral 0.7	P	0.1	MC,CR	Mar - Sep	
Lateral 1.0	P	0.3	MC,CR	Mar - Sep	
Lateral 1.3	P	0.3	MC,CR	Mar - Sep	
Lateral 2.0	P	0.5	MC,CR	Mar - Sep	
Lateral 6	P	0.1	MC,CR	Mar - Sep	
Lateral 6A	P	0.1	MC,CR	Mar - Sep	
Lateral 5	P	0.8	MC,CR	Mar - Sep	
Lateral 5A	P	0.3	MC,CR	Mar - Sep	
Dairyland P.L.	P	0.9	MC,CR	Mar - Sep	
Lateral 1.0	P	0.4	MC,CR	Mar - Sep	
Lateral 1.0A	P	0.2	MC,CR	Mar - Sep	
Lateral 1.5	P	0.2	MC,CR	Mar - Sep	
Lateral 2	P	0.3	MC,CR	Mar - Sep	
Lateral 3	P	0.2	MC,CR	Mar - Sep	
Califa Canal	E	11	MC,CR	Mar - Sep	
Lateral A	E	3.2	MC,CR	Mar - Sep	
Lateral A1	E	0.8	MC,CR	Mar - Sep	
Lateral A2	E	1.7	MC,CR	Mar - Sep	
Lateral A3	E	1.5	MC,CR	Mar - Sep	
Hatch Lateral	E	0.7	MC,CR	Mar - Sep	
Lateral B	E	3.1	MC,CR	Mar - Sep	
Lateral C	E	1.6	MC,CR	Mar - Sep	
Lateral D	E	1	MC,CR	Mar - Sep	
Boyd Lateral	E	1	MC,CR	Mar - Sep	
Pipkin Lateral	E	0.5	MC,CR	Mar - Sep	
Strathearn Lateral	E	0.7	MC,CR	Mar - Sep	
Califa Canal Spill	E	3.2	MC,CR	Mar - Sep	

*MC = Madera Canal

*CR = Chowchilla River

TULARE LAKE BASIN

Category (b) Water Bodies

The following information supports our list of waterbodies recommended to be categorized as Category b waterbodies as defined in the Inland Surface Waters Plan. These water bodies are shown on Figures 1 and 2.

Kings River:

The Kings River begins in the highest elevations of the Sierra Nevada in the northeast part of the Tulare Lake Hydrologic Basin. It is dammed near Piedra in the Sierra Nevada foothills to form Pine Flat Reservoir. From the reservoir, it flows in a southwesterly direction towards historic Tulare Lake. About one mile east of where it meets Highway 41, the River splits into North Fork and Clarks Fork. At the Crescent Headworks, the North Fork continues into the Fresno Slough which connects the Kings River to the San Joaquin River during flood periods. (The Basin Plan describes the portion of the Fresno Slough from the Crescent Headworks to the Stinson Weir as the North Fork.) The last eight miles of the Fresno Slough has been reconstructed and will not be discussed here. Approximately three miles downstream of the North Fork/Clarks Fork split, the South Fork splits from the Clarks Fork. The South Fork and Clarks Fork reconverge five miles downstream.

The Kings River downstream of Peoples Weir, excluding the Fresno Slough, is dominated by agricultural supply flows from March through August each year. Aquatic resources in these reaches are enhanced due to these agricultural flows.

The Lower South Fork is dominated from September through February by a mix of ground water (used for irrigation) and agricultural discharges. Any aquatic resources present in the Lower South Fork of the Kings River exist only as a result of these agricultural flows.

The Fresno Slough is normally dry except for flood periods when it conveys Kings River water out of the Tulare Lake Basin. During other periods, the Slough receives small quantities of agricultural discharges which percolate quickly into the stream bed. Any aquatic resources present in the slough during periods of low precipitation exist only as a result of these discharges.

Eastside Streams:

Eastside streams are ephemeral and have water after rainfall events. Several streams on the east side of Fresno and Tulare counties may be dominated by "frost water" during winter months. These streams include Wahtoke Creek, Navelencia Creek, and Sand Creek. "Frost water" is well water used to prevent the citrus crop from freezing during particularly cold days. The "frost water" may contains agricultural chemicals used in the citrus orchards.

Traver Creek is normally dry except for flood periods. It currently carries agricultural supply water from the Kings River during the irrigation season and may carry "frost water" during cold spells. Any aquatic resources present in this creek during periods of no precipitation exist only as a result of the supply flows.

Kaweah River:

The Kaweah River system (which includes the St. Johns River, Elk Bayou, Outside Creek, Deep Creek, Elbow Creek, Cottonwood Creek, and Cross Creek) below Terminus Dam is fully appropriated. Except during flood periods, it is dry river bed or dominated by agricultural supply flows during the irrigation season.

Poso Creek:

Poso Creek originates in the Sierra foothills and flows into the valley floor in the general direction of the Tulare Lake Bed. On the valley floor, it is an uncontrolled ephemeral stream which flows only during periods of intense precipitation. The North Kern Water Storage District uses the lower reach of the Poso Creek channel for ground water recharge with Kern River water. Any aquatic resources present in this reach of the creek is the result of these flows.

Buena Vista Aquatic Recreation Area:

The Buena Vista Lake is the natural terminus of the Kern River. Aquatic lakes along the edge of the old lake bed are now used for limited storage and regulation of irrigation waters from the Kern River, the California Aqueduct, and some ground water. All beneficial uses at these lakes are derived from these flows.

Category (C-3) Water Bodies

Kings River:

The Kings River historically distributes into multiple channels as it enters the valley floor. These channels, now reconstructed and with headgates, are dry except for agricultural supply flows. The reconstructed channels include China Slough, Phillips Ditch, Carmelita Ditch, Rice Ditch, Short Ditch #1, McLaughlin Ditch, Farm Ditch #1 and #3, Jacobi Ditch, Fink Ditch, Turner Ditch, Hanke Ditch, Byrd Ditch, Jack Ditch, Cameron Ditch, and Harris Slough Ditch.

At the end of the Kings River, the Fresno Slough traditionally carried Kings River water out of the Tulare Lake Basin and into the San Joaquin River system. Since the Fresno Slough Bypass was constructed, the Fresno Slough has been dry except for agricultural supply water from the Mendota Pool and small amounts of Kings River water.

TULARE LAKE BASIN

Kaweah River:

The Kaweah River historically distributes into multiple channels as it enters the valley floor. Some of these channels remain natural and some have been reconstructed. Reconstructed channels include the Bates Slough, Lewis Creek, Inside Creek, Mill Creek, and Cameron Creek. These channels, except Mill Creek, are dominated by agricultural supply waters. Mill Creek, at different times of the year, may be dominated by agricultual supply waters or domestic and industrial wastewater from facilities in Visalia.

Tule River:

The Tule River historically flowed into the Tulare Lake. Since construction of Success Dam, flows in the Tule River are controlled for agricultural use except during flood releases. The US Corp of Engineers controls flood flows. The Tule River below the Friant-Kern Canal has been reconstructed and is also used for agricultural supply water diverted from the Friant-Kern Canal.

White River:

The White River originates in the Sierra foothills and flows into the valley floor in the general direction of the Tulare Lake Bed. On the valley floor, it is an ephemeral stream which flows only during periods of intense precipitation. The river channel has been reconstructed and occasionally carries agricultural return flows. These flows typically percolate within a short distance of the discharge.

Deer Creek:

Deer Creek is a valley floor, uncontrolled ephemeral stream of which reaches have been reconstructed. It also intermittently carries agricultural supply flows diverted from the Friant-Kern Canal.

Eastside Streams:

Several streams on the east side of Fresno and Tulare counties have been reconstructed for various purposes and may be dominated by "frost water" during winter months. These streams include Surprise Creek, Wooten Creek, Negro Creek, and Long Creek. "Frost water" is well water used to prevent the citrus crop from freezing during particularly cold days. The "frost water" may contains agricultural chemicals used in the citrus orchards.

Hydrographic Units
(Drainage Basins for ISWP)

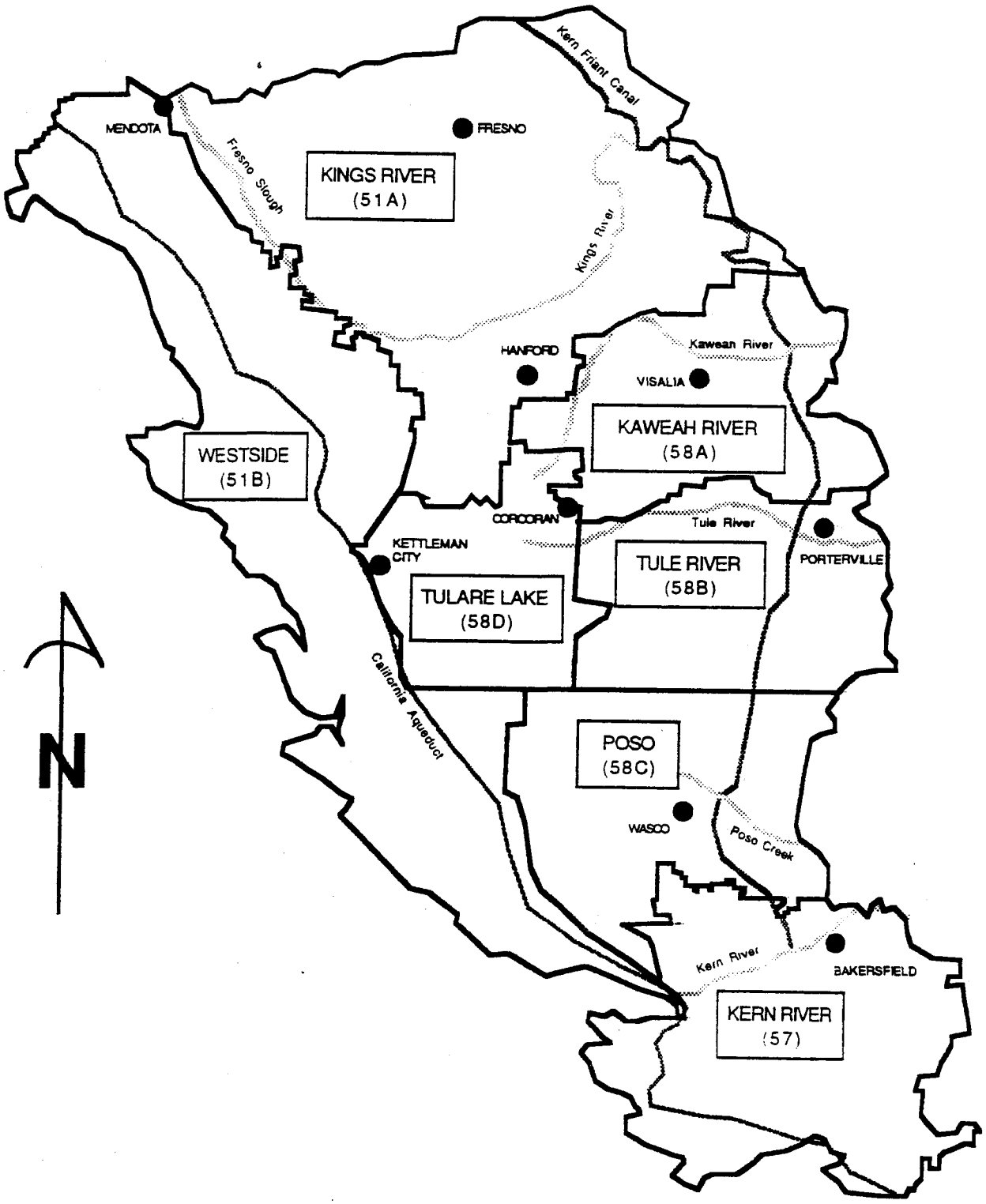


TABLE 51A B-1
NATURAL CHANNELS DOMINATED BY AGRICULTURAL RETURN FLOWS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Fresno Slough	Natural	1.4	Drainage/Operational spills	Kings	Yr Round	Minerals
Long Creek	Natural	1.8	Drainage	Eastside Stream	Flood times	Herbicides
Navelencia Creek	Natural	2.4	Drainage	Eastside Stream	Flood times	Herbicides
Negro Creek	Natural	1.3	Drainage	Eastside Stream	Flood times	Herbicides
Sand Creek	Natural	2.2	Drainage	Eastside Stream	Flood times	Herbicides
Surprise Creek	Natural	2.4	Drainage	Eastside Stream	Flood times	Herbicides
Wahtoke Creek	Natural	14.9	Drainage	Eastside Stream	Flood times	Herbicides
Wooten Creek	Natural	2.4	Drainage	Eastside Stream	Flood times	Herbicides

TABLE 51A B-2
NATURAL CHANNELS DOMINATED BY AGRICULTURAL SUPPLY WATER WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Byrd Slough	Natural	8.3	Supply	Kings	Yr Round	
Cameron Slough	Natural	5.3	Supply	Kings	Yr Round	
Clarks Fork	Natural	5	Supply	Kings	Mar-Aug	
Cole Slough	Natural	8.8	Supply	Kings	Mar-Aug	
Dutch John Cut	Natural	2.5	Supply	Kings	Mar-Aug	
Fresno Slough	Natural	18.6	Supply/Drainage	Kings	Yr Round	Minerals
Kings River	Natural	71.6	Supply	Kings	Mar-Aug	
Lower N. Fork	Natural	5.3	Supply	Kings	Mar-Aug	
Lower S. Fk Kings R.	Natural	8.7	Supply/Drainage	Kings/GW	Yr Round	Minerals
Traver Creek	Natural	10.1	Supply	Kings	May-Aug	Cu/Herbicides

TABLE 51A C-1

CONSTRUCTED AGRICULTURAL WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Channel A	Earthen	2	Drainage		Summer	Herbicides
Channel B	Earthen	2	Drainage		Summer	Herbicides
Crescent Bypass	Earthen	5.3	Drainage		Yr Round	Minerals
N. Main Drain	Earthen	11.7	Drainage	N/A		Se/B/TDS/Mo
Zalda Canal	Earthen	10	Drainage	Kings Seepage/Tile	Flood Times	Minerals

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
57.9 Main	Pipeline	8.6	Supply			
59.33 Main	Pipeline	5.6	Supply			
60.9 Main	Pipeline	5.8	Supply			
62.68 Main	Pipeline	5.8	Supply			
84 Ditch	Earthen	3.2	Supply	Kings	May-Jul	Cu, Herbicides
84 Ditch	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
84 Ditch	Pipeline	3.3	Supply	Kings	May-Jul	Cu, Herbicides
A Canal	Earthen	2.4	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
A Canal	Pipeline	0.6	Supply	Kings/GW	Jun - Aug	
A Stub	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
A-B	Earthen	0.7	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
A-C1	Earthen	0.7	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
A-C2	Earthen	0.7	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
A. B. Clark	Pipeline	1.1	Supply	Kings	May-Aug	Herbicides
A. B. Clark	Earthen	3.3	Supply	Kings	May-Aug	Cu/Herbicides
A. N. Smith	Pipeline	1	Supply	Kings	May-Aug	Herbicides
A. N. Smith	Earthen	0.8	Supply	Kings	May-Aug	Cu/Herbicides
A. W. Clark	Pipeline	0.6	Supply	Kings	May-Aug	Herbicides
A. W. Clark	Earthen	2.3	Supply	Kings	May-Aug	Cu/Herbicides
Adams Ave. Wasteway	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Adams Ave. Wasteway	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Allen	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Alta Main	Earthen	8.9	Supply	Kings	May-Aug	Cu/Herbicides
American Col	Constructed	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
American Col	Pipeline	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
American Col. #2	Constructed	1.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
American Col. #2	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
American Col. #3	Constructed	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
American Col. #3	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
American Col. #4	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
American Col. #4	Pipeline	2.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
American Colony	Constructed	5.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
American Colony	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Andrews	Earthen	2.5	Supply	Kings	May-Aug	Cu/Herbicides
Angevine	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Anthony	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Anthony	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Archer	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Armstrong (99/Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Arnett	Constructed	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Arnett	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Austin (Pvt)	Constructed	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Austin (Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
B-Main	Pipeline	4.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Bachant (Pvt)	Constructed	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Ball (78/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Ball (78/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Ballard	Pipeline	1.8	Supply	Kings	May-Aug	Herbicides
Ballard	Earthen	1	Supply	Kings	May-Aug	Cu/Herbicides
Banks	Earthen	17.7	Supply	Kings	May-Aug	Cu/Herbicides
Barcus	Constructed	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Barcus	Pipeline	2.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Barstow Br. Flume (Pvt)	Constructed	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Barstow Br. Flume (Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Barstow S. & W.	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Barstow S. & W.	Pipeline	2.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Barstow So. Lat. #2	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Barstow So. Lat. #2	Pipeline	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Barstow So. Lat. #3	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Barstow West So. Br.	Pipeline	2.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Barstow, W. "B" (pvt)	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
BarstowSo. #1	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
BarstowSo. #1	Pipeline	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Bateman	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Beard (94)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Beard (94)	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Belmont	Pipeline	2.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Benefiel	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Benefiel	Pipeline	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Berg #2 (65/Pvt)	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Berg (66/Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Berg (66/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Bier	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Bier	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Big "B" Ditch	Earthen	5.5	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Big "B" Ditch	Pipeline	0.2	Supply	Kings/GW	Jun - Aug	
Big Sandridge	Constructed	6.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Big Sandridge	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Big Sandridge Wasteway	Constructed	2.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Big Sandridge Wasteway	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Biola Spillway	Constructed	0.5	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Bishop Ditch	Earthen	2.2	Supply	Kings	May-Jul	Cu, Herbicides
Black	Pipeline	1.3	Supply	Kings/GW	Jun - Aug	
Blakely Canal	Earthen	3.5	Supply	Kings/CA Aq	Yr Round	Cu/Herbicides

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TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Bump & Edminston	Earthen	0.6	Supply	Kings	May-Aug	Cu/Herbicides
Burgess (Pvt)	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Burrel Ditch	Earthen	7.6	Supply	Kings	Jun-Aug	Cu/Herbicides
Button	Earthen	15	Supply	Kings	May-Aug	Cu/Herbicides
Buttonwillow	Pipeline	0.8	Supply	Kings	May-Aug	Herbicides
Buttonwillow	Earthen	10.2	Supply	Kings	May-Aug	Cu/Herbicides
C Stub	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
C&K to Cole Slough	Earthen	9	Supply	Kings	May-Jul	Cu, Herbicides
C-E1	Earthen	1	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
C-E2	Earthen	1	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
C-E3	Earthen	0.8	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Caesar	Pipeline	0.5	Supply	Kings	May-Aug	Herbicides
Caesar	Earthen	4.8	Supply	Kings	May-Aug	Cu/Herbicides
California Ave (76)	Constructed	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
California Ave (76)	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
California Vineyard	Pipeline	0.5	Supply	Kings	May-Aug	Herbicides
California Vineyard	Earthen	6.4	Supply	Kings	May-Aug	Cu/Herbicides
Camden Ditch	Earthen	2.7	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Cardoza (29)	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Carpenter	Pipeline	1	Supply	Kings	May-Aug	Herbicides
Carpenter	Earthen	0.2	Supply	Kings	May-Aug	Cu/Herbicides
Carter	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Cary-Hunter	Pipeline	1	Supply	Kings	May-Aug	Herbicides
Cary-Hunter	Earthen	6.7	Supply	Kings	May-Aug	Cu/Herbicides
Casa Loma	Pipeline	2	Supply	Kings/GW	Jun - Aug	
Center Rolinda	Constructed	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Center Rolinda	Pipeline	1.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Central	Constructed	12	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides

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TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Blakely Lateral	Earthen	2	Supply/Drainage	Kings/CA Aque	Yr Round	Cu/Herbicides
Bland Wasteway	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Bland Wasteway	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Blasingame	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Booster Pump Ditch	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Bowhay	Earthen	3.1	Supply	Kings	May-Aug	Cu/Herbicides
Braly	Constructed	3.8	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Braly	Pipeline	3	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Brawly Ave. S. (33/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Brawly Ave. S. (33/Pvt)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Briggs	Constructed	11.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Briggs	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Briggs Ditch	Earthen	0.5	Supply/Drainage	Kings	May-Jul	Cu/Herbicides
Briggs Ditch	Concrete	0.1	Supply/Drainage	Kings	May-Jul	Cu/Herbicides
Briggs Ditch	Pipeline	0.8	Supply/Drainage	Kings	May-Jul	Herbicides
Briggs So. Br	Constructed	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Briggs So. Br	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Briscoe (H-1)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Briscoe (H-1)	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Brookes (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Brown	Constructed	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Brown	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Brum Ditch	Earthen	1.5	Supply	Kings	Jun-Aug	Cu/Herbicides
Bryan	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Bullard	Constructed	3.5	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Bullard	Pipeline	3.9	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Bullock Ditch	Constructed	1.5	Supply	Kings		Cu/Herbicides
Bump & Edminston	Pipeline	1.2	Supply	Kings	May-Aug	Herbicides

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TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Central Ave. Br. Briggs	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Central Waste	Constructed	9.6	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Central Waste	Pipeline	0.5	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Chilgren (20/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Chilgren (20/Pvt)	Pipeline	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Church Ave. (89)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Clapp	Pipeline	1.3	Supply	Kings	May-Aug	Herbicides
Clapp	Earthen	0.2	Supply	Kings	May-Aug	Cu/Herbicides
Clements	Earthen	4	Supply	Kings	May-Aug	Cu/Herbicides
Cleveland Ditch	Earthen	0.2	Supply	Kings	May-Jul	Cu, Herbicides
Cleveland Ditch	Pipeline	1.9	Supply	Kings	May-Jul	Herbicides
Cleveland Ditch, N.	Earthen	0.7	Supply	Kings	May-Jul	Cu, Herbicides
Cleveland Ditch, N.	Pipeline	1.8	Supply	Kings	May-Jul	Herbicides
Clough	Earthen	3.9	Supply	Kings	May-Aug	Cu/Herbicides
Clovis & So. Branches	Pipeline	5.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Clovis, W. Br	Constructed	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Clovis, W. Br	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Coalinga Line Pump Canal	Concrete	9	Supply	GW/Op Spill		Cu/Herbicides
Coelho (94)	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Coelho (94)	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Cole Slough Canal	Earthen	16.2	Supply	Kings	May-Jul	Cu, Herbicides
Cole Slough Canal	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
Cole, W & S	Constructed	4.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Cole, W & S	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Collins Ditch	Pipeline	4.1	Supply	Kings	May-Jul	Herbicides
Comba (27/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Connor Ditch	Earthen	0.7	Supply	Kings	May-Jul	Cu, Herbicides
Connor Ditch	Concrete	0.5	Supply	Kings	May-Jul	Cu, Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Connor Ditch	Pipeline	1.4	Supply	Kings	May-Jul	Herbicides
Connor Ditch, S.	Earthen	0.4	Supply	Kings	May-Jul	Cu, Herbicides
Connor Ditch, S.	Concrete	0.4	Supply	Kings	May-Jul	Cu, Herbicides
Connor Ditch, S.	Pipeline	1.2	Supply	Kings	May-Jul	Herbicides
Consolidated Canal	Earthen	1.5	Supply	Kings	May-Jul	Cu, Herbicides
Cornelia Ave. So	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Cornelia Ave. So	Pipeline	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Cornell (7/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Cornell (7/Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Coulon	Pipeline	2.2	Supply	Kings/GW	Jun - Aug	
Creelman-S. Canal	Earthen	0.5	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Creelmen Canal	Earthen	0.2	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Creelmen Canal	Pipeline	1.9	Supply	Kings/GW	Jun - Aug	
Crescent Canal	Earthen	23	Supply	Kings	Rare	Cu/Herbicides
Cross Creek W. W.	Earthen	1.9	Supply	Kings	May-Aug	Cu/Herbicides
Crosscut Canal	Earthen	5	Supply	Kings	May-Jul	Cu, Herbicides
Curtis Cutoff	Pipeline	0.8	Supply	Kings	May-Aug	Herbicides
Curtis Cutoff	Earthen	0.7	Supply	Kings	May-Aug	Cu/Herbicides
Dan Clark Ditch	Earthen	0.5	Supply	Kings	May-Jul	Cu, Herbicides
Dan Smith Ditch	Earthen	4.2	Supply	Kings	May-Jul	Cu, Herbicides
Dan Smith Ditch	Concrete	0.2	Supply	Kings	May-Jul	Cu, Herbicides
Dan Smith Ditch	Pipeline	1.9	Supply	Kings	May-Jul	Herbicides
Dane	Constructed	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Dane	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Davis Ditch	Earthen	0.9	Supply	Kings	May-Jul	Cu, Herbicides
Davis Ditch	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
Davis Ditch	Pipeline	3.4	Supply	Kings	May-Jul	Herbicides
Dawson	Pipeline	2.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Deadwood	Constructed	2.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Deadwood	Pipeline	5.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Deadwood, Ctr	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Dehart	Pipeline	0.9	Supply	Kings/GW	Jun - Aug	
Dickensen Wasteway	Constructed	3.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Dickensen Wasteway	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Dickenson E. & W.	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Diel (87)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Dinuba Town	Pipeline	0.8	Supply	Kings	May-Aug	Herbicides
Dinuba Town	Earthen	8	Supply	Kings	May-Aug	Cu/Herbicides
Dottie Brown	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Dry Creek Below Thorne	Constructed	16	Supply/Urban	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	Cu/Herbicides
Dry Creek Canal	Earthen	2.7	Dry		Flood times	
Dry Creek Ext. at North Ave	Pipeline	6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Dry Creek thru town	Constructed	3.5	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Dunkard	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Dunkard Branches	Pipeline	2.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Dunkel (29/Pvt)	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Dutra	Pipeline	0.5	Supply	Kings/GW	Jun - Aug	
E Canal	Earthen	5.7	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
E-F1	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
E-F2	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
E-Main, E-2	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
E-Main, E-2	Pipeline	5.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
East Branch	Earthen	15.5	Supply	Kings	May-Aug	Cu/Herbicides
East Branch, W & E	Constructed	6.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Pesticides
East Branch, W & E	Pipeline	5.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
East Gould	Pipeline	0.8	Supply	Kings	May-Aug	Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
East Gould	Earthen	0.7	Supply	Kings	May-Aug	Cu/Herbicides
East Reedley	Pipeline	3.3	Supply	Kings	May-Aug	Herbicides
East Reedley	Earthen	2.2	Supply	Kings	May-Aug	Cu/Herbicides
East Section 20	Concrete	1.2	Supply	Kings	May-Aug	Cu/Herbicides
Edmiston	Constructed	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Pesticides
Edmiston	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Eisen	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Pesticides
Eisen	Pipeline	1.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Elgin	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Elkhorn Ditch	Earthen	8	Supply	Kings	May-Jul	Cu, Herbicides
Elter	Pipeline	1.8	Supply	Kings	May-Aug	Herbicides
Elter	Earthen	0.7	Supply	Kings	May-Aug	Cu/Herbicides
Empire	Constructed	3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Empire	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Empire #1	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Empire #5 (Pvt)	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Empire #6	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Enos (94)	Constructed	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Enos (94)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Enterprise	Constructed	28.5	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Enterprise	Pipeline	2	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Enterprise Hol. Col.	Constructed	0.7	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Enterprise Hol. Col.	Pipeline	5.3	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Epstein	Constructed	2.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Epstein	Pipeline	2.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Erdman, E.	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Erickson (61/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
EWSID Canal	Earthen	6.75	Supply	Kings/CA Aq	Yr Round	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
F-G1	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
F-G2	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Fairview	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Fancher Creek Canal	Constructed	9	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Fanning	Constructed	1.6	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Fanning	Pipeline	3.5	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Fike	Pipeline	1.4	Supply	Kings/GW	Jun - Aug	
Fischer (64)	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Flores	Pipeline	0.6	Supply	Kings/GW	Jun - Aug	
Floyd	Earthen	1.5	Supply	Kings	May-Aug	Cu/Herbicides
Flume	Constructed	3.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Flume	Pipeline	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Flume, W. #1	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Forkner	Constructed	0.2	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Forkner	Pipeline	6.8	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Forsyth	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Fowler Switch Canal	Earthen	19.8	Supply/Drainage	Kings	May-Jul	Cu, Herbicides
Fowler Switch Canal	Concrete	2.7	Supply/Drainage	Kings	May-Jul	Cu, Herbicides
Franc	Pipeline	1.4	Supply	Kings	May-Aug	Herbicides
Fresno Canal	Constructed	12	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Fresno Colony	Constructed	8.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Fresno Colony	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Fresno Slough Main Bypass	Earthen	14.4	Supply	Kings/Mendota Pool		Cu/Herbicides
Fruit Avenue (24/Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Fuller	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Funch	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G	Earthen	6.8	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
G	Pipeline	1.6	Supply	Kings/GW	Jun - Aug	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
G-1	Constructed	2.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
G-1	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-1-A	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-1-B (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-1-C	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-1-D	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-13 (Pvt)	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
G-13 (Pvt)	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-14 (Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
G-14 (Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-15	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-16	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
G-16	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-17	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
G-17	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-17, S. (Pvt)	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-18 (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-2	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-3	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-5	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-6	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-7	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-8 (Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
G-8 (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-9	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
G-9	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
G-H1	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
G-H2	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Garfield	Constructed	2.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Garfield	Pipeline	1.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Garfield Ditch	Earthen	4	Supply	Kings	May-Jul	Cu, Herbicides
Garfield Ditch	Pipeline	2	Supply	Kings	May-Jul	Herbicides
Garfield Ditch, N.	Earthen	1	Supply	Kings	May-Jul	Cu, Herbicides
Garfield Ditch, N.	Pipeline	1.6	Supply	Kings	May-Jul	Herbicides
Garfield Ditch, West	Earthen	1.1	Supply	Kings	May-Jul	Cu, Herbicides
Garfield Ditch, West	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
Garfield Ditch, West	Pipeline	0.9	Supply	Kings	May-Jul	Herbicides
Giacolini	Pipeline	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Glazer Br. (98/Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Goodrich	Constructed	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Goodrich	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Gopher Hole Pvt	Pipeline	2.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Gordon	Pipeline	0.5	Supply	Kings	May-Aug	Herbicides
Gordon	Earthen	0.5	Supply	Kings	May-Aug	Cu/Herbicides
Gordon	Constructed	2.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Gordon	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Gordon Ditch	Earthen	0.7	Supply	Kings	May-Jul	Cu, Herbicides
Gordon Ditch	Concrete	0.5	Supply	Kings	May-Jul	Cu, Herbicides
Gordon Ditch	Pipeline	2.3	Supply	Kings	May-Jul	Herbicides
Gordon, W. Br. (Pvt)	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Gould	Constructed	24.2	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Gow	Constructed	2.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Gow	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Grant Canal	Earthen	8.3	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Gray Col	Constructed	3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Gray Col	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Greene (Pvt)	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Grove	Concrete	1	Supply	Kings	May-Aug	Cu/Herbicides
Grove	Pipeline	0.7	Supply	Kings	May-Aug	Herbicides
Gunn	Constructed	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Gunn	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
H-1 (39)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
H-Ditch (124)	Constructed	1.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
H-Ditch (124)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
H-I1	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
H-I2	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Haden & Boone	Pipeline	1	Supply	Kings	May-Aug	Herbicides
Haden & Boone	Earthen	1.7	Supply	Kings	May-Aug	Cu/Herbicides
Hammer Ditch	Earthen	0.9	Supply	Kings	May-Jul	Cu, Herbicides
Hammer Ditch	Concrete	0.9	Supply	Kings	May-Jul	Cu, Herbicides
Hammer Ditch	Pipeline	2	Supply	Kings	May-Jul	Herbicides
Hampy	Pipeline	0.9	Supply	Kings/GW	Jun - Aug	
Hansen	Constructed	8.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Hansen	Pipeline	3.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Hansen #1 (28/Pvt)	Pipeline	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Hansen #4 (81/Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Hansen #6 Pvt	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Hansen, S. B	Constructed	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Hansen, S. B	Pipeline	2.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Harlan-Stevens Ditch	Earthen	10	Supply	Kings	May-Jul	Cu, Herbicides
Harlan-Stevens Ditch	Pipeline	2.5	Supply	Kings	May-Jul	Herbicides
Harp Ditch	Earthen	5.8	Supply	Kings	May-Jul	Cu, Herbicides
Harp Ditch	Concrete	3.6	Supply	Kings	May-Jul	Cu, Herbicides
Harp Ditch	Pipeline	0.5	Supply	Kings	May-Jul	Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Hatch Ditch	Earthen	2.5	Supply	Kings	May-Jul	Cu, Herbicides
Hatch Ditch	Pipeline	2.1	Supply	Kings	May-Jul	Herbicides
Hawn	Constructed	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Hawn	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Helm	Constructed	3.7	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Helm	Pipeline	3.7	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Helm Col. W & S	Constructed	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Helm Col. W & S	Pipeline	5.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Helm Company	Pipeline	2.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Hergenroder (99/Pvt)	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Herndon	Constructed	0.1	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Herndon	Pipeline	24.8	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Herndon Spillway	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Herndon Spillway	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Highland Ditch	Earthen	5.1	Supply	Kings	May-Jul	Cu, Herbicides
Highland Ditch	Concrete	0.8	Supply	Kings	May-Jul	Cu, Herbicides
Highland Ditch	Pipeline	1.2	Supply	Kings	May-Jul	Herbicides
Hindu	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Hindu	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Hogan	Pipeline	1.7	Supply	Kings	May-Aug	Herbicides
Hogan	Earthen	0.4	Supply	Kings	May-Aug	Cu/Herbicides
Horseman	Earthen	5	Supply	Kings	May-Aug	Cu/Herbicides
Hotaling	Constructed	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Hotaling	Pipeline	2.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Houghton	Constructed	12.5	Supply/Urban	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	Cu/Herbicides
Houghton Wasteway	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	Cu/Herbicides
Houghton Wasteway	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	
Houghton West	Constructed	4.7	Supply	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Houghton West	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	
Houghton, W.	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	Cu/Herbicides
Houghton, W.	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams/Mun WW/GW	Mar-Sep	
Howard Ave. (Pvt)	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Howard Ave. (Pvt)	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Huber	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Hughes Ave. (24/Pvt)	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
I-J1	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
I-J2	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Iowa Ditch	Earthen	6	Supply	Kings	May-Jul	Cu, Herbicides
Iowa Ditch	Concrete	0.9	Supply	Kings	May-Jul	Cu, Herbicides
Iowa Ditch	Pipeline	2	Supply	Kings	May-Jul	Herbicides
Iowa Ditch, N.	Pipeline	1.3	Supply	Kings	May-Jul	Herbicides
Irigaray (94)	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Island Canal	Earthen	2.4	Supply	Kings	May-Jul	Cu, Herbicides
Island Canal	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
Island Canal, N. Br.	Earthen	1	Supply	Kings	May-Jul	Cu, Herbicides
Island Canal, N. Br.	Pipeline	2	Supply	Kings	May-Jul	Herbicides
Island Canal, S. Br.	Earthen	1.5	Supply	Kings	May-Jul	Cu, Herbicides
Island Canal, S. Br.	Pipeline	1.6	Supply	Kings	May-Jul	Herbicides
J-K	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
J. T. Williams	Pipeline	2.4	Supply	Kings	May-Aug	Herbicides
Jack	Earthen	1.2	Supply	Kings	May-Aug	Cu/Herbicides
Jacobsen (22/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
James Main Canal	Earthen	8.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Jameson Lateral	Pipeline	3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Jefferson	Constructed	3.8	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Jefferson	Pipeline	2	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Jefferson Avenue (7/Pvt)	Pipeline	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Jensen Ave.	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Johns	Constructed	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Jorgensen (80)	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Judd (17/Pvt)	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Judd (17/Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
K-L1	Earthen	0.6	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
K-L2	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Kaiser	Pipeline	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kaiser Stub (51/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kearney (88)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kearney High (Pvt)	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kennedy #2 (51)	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Kennedy School House	Pipeline	4.7	Supply	Kings	May-Aug	Herbicides
Kennedy School House	Earthen	0.3	Supply	Kings	May-Aug	Cu/Herbicides
Kennedy Waste Way	Pipeline	2	Supply	Kings	May-Aug	Herbicides
Kennedy Waste Way	Earthen	5.3	Supply	Kings	May-Aug	Cu/Herbicides
Kennedy-Owens	Constructed	4.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Kennedy-Owens	Pipeline	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kenneson	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kerman Line Pump Canal	Concrete	6.5	Supply	GW/Op Spill		Cu/Herbicides
Kimball 129/Pvt	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
King	Earthen	4.4	Supply	Kings	May-Aug	Cu/Herbicides
Kingsburg Branch	Earthen	9.2	Supply	Kings	May-Jul	Cu, Herbicides
Kingsburg Branch	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
Kingsburg Branch	Pipeline	0.4	Supply	Kings	May-Jul	Herbicides
Kirby Ditch	Earthen	5.3	Supply	Kings	May-Jul	Cu, Herbicides
Kirby Ditch	Pipeline	2.2	Supply	Kings	May-Jul	Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Kirby Ditch, East	Earthen	1.7	Supply	Kings	May-Jul	Cu, Herbicides
Kirby Ditch, East	Concrete	0.3	Supply	Kings	May-Jul	Cu, Herbicides
Kirby Ditch, N.	Earthen	1	Supply	Kings	May-Jul	Cu, Herbicides
Kirby Ditch, N.	Pipeline	2	Supply	Kings	May-Jul	Herbicides
Kirk	Pipeline	0.4	Supply	Kings	May-Aug	Herbicides
Kirk	Earthen	1.3	Supply	Kings	May-Aug	Cu/Herbicides
Kirkorian 79/Pvt	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kisling 23/Pvt	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Knapp	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Knapp	Pipeline	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Knestric	Pipeline	2.9	Supply	Kings	May-Aug	Herbicides
Knestric	Earthen	2.7	Supply	Kings	May-Aug	Cu/Herbicides
Koligian	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Kutner Colony	Pipeline	2.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
L-M	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
La Rue	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
La Rue	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Lake Avenue	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Lakelands-Highline Canal	Earthen	19.8	Supply	Kings/Kaweah/Friant Kern	Feb-Sep	
Lakeside Ditch Co. System	Earthen	58.3	Supply	Kings/Kaweah/Friant Kern	Jan-Aug	
Lakeside Ditch Co. System	Pipeline	1.7	Supply	Kings/Kaweah/Friant Kern	Jan-Aug	
Larsen (Pvt)	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Larson #2 (Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Larson #2 (Pvt)	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Lassen Canal	Concrete	6	Supply	GW	Jun-Aug	
Last Chance Ditch	Constructed	22	Supply	Kings		Cu/Herbicides
Last Chance Water Ditch Co. System	Earthen	55.5	Supply	Kings/Kaweah/Friant Kern	Jan-Sep	
Lateral 1	Earthen	2.4	Supply	Kings	Yr Round	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Lateral 10	Earthen	5	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 11	Earthen	5.7	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 12	Earthen	2.7	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 13	Earthen	1.8	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 14	Earthen	1.6	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 15	Earthen	2.8	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 16	Earthen	1	Supply	Kings/GW	Yr Round	Cu/Herbicides
Lateral 17	Earthen	4	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 18 (Jacobs Ditch)	Earthen	4.4	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 19	Earthen	3.9	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 2	Earthen	4.3	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 20	Earthen	4.3	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 21	Earthen	3.5	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 22	Earthen	3.9	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 23	Earthen	1.9	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 24	Earthen	3.1	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 25	Earthen	0.9	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 26 (Stratford Canal)	Earthen	4.5	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 27	Earthen	3.1	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 28	Earthen	0.4	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 29	Earthen	0.6	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 3	Earthen	8.4	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 30	Earthen	0.6	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 31	Earthen	2.4	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 31	Concrete	0.2	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 32	Earthen	1.4	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 33 (Tulare Lake Canal)	Earthen	6	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 36	Earthen	2.3	Supply	Kings	Yr Round	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Lateral 4	Earthen	3.1	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 5	Earthen	2.1	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 6	Earthen	6.4	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 7	Earthen	0.7	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 8	Earthen	3.6	Supply	Kings	Yr Round	Cu/Herbicides
Lateral 8	Pipeline	1.3	Supply/Urban	Kings	Yr Round	Cu/Herbicides
Lateral 9	Earthen	1.6	Supply/Urban	Kings	Yr Round	Cu/Herbicides
Lateral 9	Pipeline	1.6	Supply	Kings	Yr Round	
Lateral A	Earthen	7	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral B	Earthen	2.7	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral C	Earthen	9.2	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral D	Earthen	6	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral E	Earthen	8	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral F	Earthen	4.6	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral G	Pipeline	2	Supply	Kings/Mendota Pool/GW		
Lateral H	Earthen	5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral I	Earthen	4.3	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral J	Earthen	4	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral K	Earthen	3.3	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral L	Earthen	3.4	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral M	Earthen	3.1	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral N	Earthen	2.7	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral O	Earthen	2.4	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral P	Earthen	2.2	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral Q	Earthen	1.8	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lateral R	Earthen	1.6	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Lemoore Main Canal	Earthen	14.8	Supply/Urban	Kings/GW	Yr Round	Cu/Herbicides
Liberty Ditch	Earthen	13.4	Supply	Kings	Jun-Aug	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Liberty Ditch	Pipeline	1.7	Supply	Kings	Jun-Aug	
Liberty Mill Race	Earthen	21.8	Supply	Kings	Jun-Aug	
Lift 1 Canal Sys	Earthen	21.4	Supply/Drainage	Delta Mendota/Kings/GW	Feb-Nov	Cu/Herbicides
Lift 2 Canal Sys	Earthen	19.4	Supply/Drainage	Delta Mendota/Kings/GW	Feb-Nov	Cu/Herbicides
Lisenby	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Lisenby	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Lisenby W. Br.	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Little "B" Ditch	Earthen	1	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Little "B" Ditch	Pipeline	2.7	Supply	Kings/GW	Jun - Aug	
Little Houghton	Pipeline	4.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Little Mill Race	Earthen	3.7	Supply	Kings	Jun-Aug	
Little Mill Race	Pipeline	0.4	Supply	Kings	Jun-Aug	
Little Sandridge	Constructed	3.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Little Sandridge	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Little Teague	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Lobre Ditch	Earthen	1	Supply	Kings	May-Jul	Cu, Herbicides
Lobre Ditch	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
Lobre Ditch	Pipeline	1.3	Supply	Kings	May-Jul	Herbicides
Lobre Pipeline	Pipeline	0.5	Supply	Kings	May-Jul	Herbicides
Lone Oak Canal	Earthen	8.3	Supply	Kings/Kaweah/Friant Kern		
Lone Tree Channel	Earthen	7	Supply/Drainage	Kings	May-Jul	Cu, Herbicides
Lone Tree Channel	Pipeline	0.5	Supply/Drainage	Kings	May-Jul	Herbicides
Loper	Earthen	3.2	Supply	Kings	May-Aug	Cu/Herbicides
Los Almos	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Los Almos	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Lovall	Pipeline	0.3	Supply	Kings	May-Aug	Herbicides
Lovall	Earthen	1.7	Supply	Kings	May-Aug	Cu/Herbicides
Lower Curtis Cutoff	Pipeline	0.5	Supply	Kings	May-Aug	Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Lower Curtis Cutoff	Earthen	0.4	Supply	Kings	May-Aug	Cu/Herbicides
Lubenko	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Lusio	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Madera Ave.	Pipeline	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Madison (87/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Malaga Ditch	Earthen	2.7	Supply	Kings	May-Jul	Cu, Herbicides
Malaga Ditch	Pipeline	0.5	Supply	Kings	May-Jul	Herbicides
Malaga Ext. (7)	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Marks Spill	Earthen	0.5	Supply	Kings	May-Jul	Cu, Herbicides
Marks Spill	Pipeline	0.6	Supply	Kings	May-Jul	Herbicides
Martin	Pipeline	1.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Maupin	Constructed	2.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Maupin	Pipeline	1.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Maupin W. Br.	Constructed	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Maupin W. Br.	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Mc Gee	Pipeline	1.2	Supply	Kings	May-Aug	Herbicides
Mc Gee	Earthen	0.7	Supply	Kings	May-Aug	Cu/Herbicides
McBriar	Pipeline	2	Supply	Kings	May-Aug	Herbicides
McCall Ditch	Earthen	3.5	Supply	Kings	May-Jul	Cu, Herbicides
McCall Ditch	Concrete	1	Supply	Kings	May-Jul	Cu, Herbicides
McCall Ditch	Pipeline	1.5	Supply	Kings	May-Jul	Herbicides
McClanahan	Pipeline	0.3	Supply	Kings	May-Aug	Herbicides
McClanahan	Earthen	5.6	Supply	Kings	May-Aug	Cu/Herbicides
McFarlane (112/Pvt)	Constructed	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
McFarlane (112/Pvt)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
McMullin Grade	Concrete	9.2	Supply	GW	Jun-Aug	
McNeil	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
McNeil	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Melga Canal	Earthen	18.3	Supply	Kings/Kaweah/Friant Kern		
Mid-Valley Canal	Earthen	4.9	Supply	Delta Mendota	Yr Round	
Middle West (86/Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Miguel	Pipeline	0.5	Supply	Kings/GW	Jun - Aug	
Mill	Pipeline	8.6	Supply/Urban	San Joaquin/Kings/Eastside streams	Mar-Sep	
Miller #1	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Miller #2 (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Minor-Thornton	Constructed	1.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Minor-Thornton	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Modoc Ave. Wasteway	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Modoc, S & W	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Monroe Avenue	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Monroe Avenue	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Monson	Earthen	7	Supply	Kings	May-Aug	Cu/Herbicides
Montague	Pipeline	0.5	Supply	Kings	May-Aug	Herbicides
Montague	Earthen	0.8	Supply	Kings	May-Aug	Cu/Herbicides
Moore (Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Mortensen	Constructed	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Mortensen	Pipeline	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Mosher, W	Pipeline	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Mt. Campbell	Pipeline	1.1	Supply	Kings	May-Aug	Herbicides
Mt. Campbell	Earthen	2.6	Supply	Kings	May-Aug	Cu/Herbicides
N-O	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
N. "A" Canal	Earthen	0.8	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
N. "E"	Earthen	0.4	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
N. "E"	Pipeline	3.3	Supply	Kings/GW	Jun - Aug	
N. Island Canal	Earthen	4.9	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
N. Turner Ditch	Earthen	7.5	Supply	Kings	Jun-Aug	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Nazaroff	Pipeline	1.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Nazaroff, S. (Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Nees Colony (Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Nees Colony (Pvt)	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
New Deal Ditch	Earthen	2.6	Supply	Kings/Kaweah/Friant Kern		
Nichols-Cann	Pipeline	1.9	Supply	Kings	May-Aug	Herbicides
Norris Ditch	Earthen	1.9	Supply	Kings	May-Jul	Cu, Herbicides
Norris Ditch	Concrete	0.2	Supply	Kings	May-Jul	Cu, Herbicides
Norris Ditch	Pipeline	4.7	Supply	Kings	May-Jul	Herbicides
North Ave. S/S (7/Pvt)	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
North Central	Constructed	4.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
North Central	Pipeline	1.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Nuss	Pipeline	1.2	Supply	Kings	May-Aug	Herbicides
O-P	Earthen	0.6	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Oleander	Constructed	2.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Oleander	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Oleander S.	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Oleander S.	Pipeline	3.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Oleander S. of S.	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Oleander, N.	Constructed	2.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Oleander, N.	Pipeline	1.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Olivera	Pipeline	1	Supply	Kings/GW	Jun - Aug	
Omstead	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Orosi School House	Earthen	3.2	Supply	Kings	May-Aug	Cu/Herbicides
Ostergaard (81/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
P-Q	Earthen	0.5	Supply	Kings/Mendota Pool/GW		Cu/Herbicides
Pacheco #1 (Pvt)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Pacheco #2	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Pagliasso (34/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Paladina Ditch	Earthen	2.8	Supply	Kings	May-Jul	Cu, Herbicides
Paladina Ditch	Concrete	1.2	Supply	Kings	May-Jul	Cu, Herbicides
Paladina Ditch	Pipeline	0.2	Supply	Kings	May-Jul	Herbicides
Paragon	Constructed	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Paragon	Pipeline	2.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Parenti	Pipeline	1.3	Supply	Kings	May-Aug	Herbicides
Parks	Pipeline	0.7	Supply	Kings	May-Aug	Herbicides
Parks	Earthen	0.8	Supply	Kings	May-Aug	Cu/Herbicides
Patterson (17/Pvt)	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Patterson (17/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Peck	Pipeline	0.6	Supply	Kings	May-Aug	Herbicides
Peoples Ditch	Constructed	19	Supply	Kings R		Cu/Herbicides
Peoples Ditch co. System	Earthen	27.3	Supply	Kings/Kaweah/Friant Kern	Yr Round	
Peoples Ditch East Branch	Constructed	6.5	Supply	Kings R		Cu/Herbicides
Peoples Ditch West Branch	Constructed	3	Supply	Kings R		Cu/Herbicides
Petersen Br. (Wash. Col.)	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Petersen Br. (Wash. Col.)	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Peterson (39/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Pickford	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Pilegard (18)	Pipeline	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Pineo Ditch	Earthen	1.2	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Pineo Ditch	Pipeline	0.4	Supply	Kings/GW	Jun - Aug	
Poulsen (23)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Pugh Br. (129/Pvt)	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Radin-Kamp	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Radin-Kamp	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Rainey (Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Rainey (Pvt)	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Ramos	Pipeline	0.6	Supply	Kings/GW	Jun - Aug	
Rankin (21/Pvt)	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Raposa	Pipeline	0.9	Supply	Kings/GW	Jun - Aug	
Reardon	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Red Williams	Earthen	1.5	Supply	Kings	May-Aug	Cu/Herbicides
Redbanks	Constructed	1.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Redbanks	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Reed Ditch	Earthen	15.2	Supply	Kings	Jun-Aug	
Reedley Main	Earthen	3	Supply	Kings	May-Aug	Cu/Herbicides
Reo	Pipeline	0.2	Supply	Kings	May-Aug	Herbicides
Reo	Earthen	1.3	Supply	Kings	May-Aug	Cu/Herbicides
Reyburn	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Reyburn	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Rice-Brubaker	Pipeline	0.9	Supply	Kings	May-Aug	Herbicides
Rice-Brubaker	Earthen	1.3	Supply	Kings	May-Aug	Cu/Herbicides
Riverdale Ditch	Earthen	1.1	Supply	Kings	Jun-Aug	Cu/Herbicides
Riverside Ditch	Earthen	9	Supply	Kings/Kaweah/Friant Kern		
Riverside-Powell	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Riverside-Powell	Pipeline	4.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Rolinda High	Constructed	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Rolinda High	Pipeline	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Ross Ditch	Earthen	1.2	Supply	Kings	May-Jul	Cu, Herbicides
Ross Ditch	Pipeline	2.2	Supply	Kings	May-Jul	Herbicides
S. "E"	Pipeline	1.7	Supply	Kings/GW	Jun - Aug	
S. "E" Canal	Earthen	1.7	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
S. Branch Summit Ditch	Earthen	2.3	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
S. Central	Constructed	2.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
S. Central	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
S. Island Canal	Earthen	2.3	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
S. Island Canal	Pipeline	1.2	Supply	Kings/GW	Jun - Aug	
S. Perrin System	Constructed	5.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
S. Perrin System	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sand Ditch	Pipeline	2.3	Supply	Kings/GW	Jun - Aug	
Sandridge	Concrete	0.9	Supply	Kings	May-Aug	Cu/Herbicides
Sandridge	Pipeline	1.6	Supply	Kings	May-Aug	Herbicides
Sandridge	Earthen	0.4	Supply	Kings	May-Aug	Cu/Herbicides
Santa Fe Ditch	Earthen	5.6	Supply	Kings	May-Jul	Cu, Herbicides
Santa Fe Ditch	Concrete	1.7	Supply	Kings	May-Jul	Cu, Herbicides
Santa Fe Ditch	Pipeline	0.4	Supply	Kings	May-Jul	Herbicides
Savory (Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Savory (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Scandinavian #1	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Schaffer (34/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Schaffer (34/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Schaffner	Constructed	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Schaffner	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Scott	Pipeline	1.1	Supply	Kings/GW	Jun - Aug	
Screw, N.	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Screw, S.	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Segrue	Pipeline	0.3	Supply	Kings	May-Aug	Herbicides
Selma Branch	Earthen	2.7	Supply	Kings	Jun-Aug	
Selma Branch	Pipeline	0.1	Supply	Kings	Jun-Aug	
Selma Branch Ditch	Earthen	12.2	Supply	Kings	May-Jul	Cu, Herbicides
Selma Branch Ditch	Pipeline	2.7	Supply	Kings	May-Jul	Herbicides
Selma Colony Ditch	Earthen	7	Supply	Kings	May-Jul	Cu, Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Selma Colony Ditch	Concrete	0.1	Supply	Kings	May-Jul	Cu, Herbicides
Selma Colony Ditch	Pipeline	2.1	Supply	Kings	May-Jul	Herbicides
Settlers Ditch	Earthen	3	Supply	Kings	Jun-Aug	
Settlers Ditch Co. System	Earthen	14.3	Supply	Kings/Kaweah/Friant Kern		
Shields Ave. (Pvt)	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Shields Ave. (Pvt)	Pipeline	2.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Shuey (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sierra Ave.	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Silvia	Constructed	3.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Silvia	Pipeline	2.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Simpson (91/Pvt)	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Siphon Canal	Earthen	1.9	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Siphon Canal	Pipeline	0.1	Supply	Kings/GW	Jun - Aug	
Siskiyou Lateral	Pipeline	4.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Slaven	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Slaven	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Slavonian	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Smith Ferry Canal	Earthen	7	Supply	Kings	May-Jul	Cu, Herbicides
Smith Ferry Canal	Concrete	0.4	Supply	Kings	May-Jul	Cu, Herbicides
Smith Ferry Canal	Pipeline	2.1	Supply	Kings	May-Jul	Herbicides
Smith Ferry, W. Br Canal	Earthen	4.3	Supply	Kings	May-Jul	Cu, Herbicides
Smith Ferry, W. Br Canal	Pipeline	0.5	Supply	Kings	May-Jul	Herbicides
Smith Moutain	Pipeline	0.9	Supply	Kings	May-Aug	Herbicides
Smith Moutain	Earthen	8.4	Supply	Kings	May-Aug	Cu/Herbicides
Soldner (Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sontag	Pipeline	0.5	Supply	Kings	May-Aug	Herbicides
Sontag	Earthen	6.2	Supply	Kings	May-Aug	Cu/Herbicides
Spomer (39)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
St. George	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Steyer (26/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Stinson Canal	Earthen	12	Supply	Kings	Rare	Cu/Herbicides
Storey (15)	Pipeline	1.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Streeter (64/Pvt)	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Summit Lake Ditch	Earthen	2.6	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
Sunnyside	Constructed	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Sunnyside	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sycamore S. #1 (Pvt)	Pipeline	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sycamore S. & W.	Pipeline	2.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sycamore S. of W. (Pvt)	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sycamore S., W. #2 (Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Sycamore S., W. #2 (Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sycamore S., W. #3	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sycamore W. Br. #1	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sycamore, S. #2 (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Sykes (97/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Tarpey East	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Tarpey East	Pipeline	1.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Taylor	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Teague	Constructed	3.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Teague	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Teague School	Pipeline	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Teague, E. (Pvt)	Constructed	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Teague, E. (Pvt)	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Teilman	Constructed	3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Teilman	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Temperance	Constructed	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Temperance	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Temperance #3 (37/Pvt)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Temperance Br. (99)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Thompson	Constructed	4.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Thompson	Pipeline	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #1	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Thompson #1 "B" (22/Pvt)	Constructed	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Thompson #1, S. (Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Thompson #1, S. (Pvt)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #2 (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #3 (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #4	Pipeline	1.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #4 "B" (Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Thompson #4 "B" (Pvt)	Pipeline	1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #4, S. (Pvt)	Pipeline	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #4, W. (Pvt)	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Thompson #4, W. (Pvt)	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson #6	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Thompson Ext.	Constructed	4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Timm	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Toligian	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Tout	Concrete	0.7	Supply	Kings	May-Aug	Cu/Herbicides
Tout	Pipeline	1.6	Supply	Kings	May-Aug	Herbicides
Tout	Earthen	3.7	Supply	Kings	May-Aug	Cu/Herbicides
Towne	Pipeline	3.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Traction Canal	Earthen	4.5	Supply	Delta Mendota	Yr Round	
Tracy	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Tracy	Pipeline	3.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
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Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Traver Canal	Earthen	12.3	Supply	Kings	May-Aug	Cu/Herbicides
Trinity Ave	Constructed	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Trinity Ave	Pipeline	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Turner Ditch	Earthen	10.2	Supply	Kings	Jun-Aug	Cu/Herbicides
Uphill	Pipeline	0.6	Supply	Kings	May-Aug	Herbicides
Upper Curtis Cutoff	Pipeline	0.9	Supply	Kings	May-Aug	Herbicides
Upper Curtis Cutoff	Earthen	0.1	Supply	Kings	May-Aug	Cu/Herbicides
Valentine Ave. (24)	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Valentine Br. Teilman	Constructed	3.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Valentine Br. Teilman	Pipeline	2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Van Noy	Concrete	1.1	Supply	Kings	May-Aug	Cu/Herbicides
Van Noy	Earthen	1.1	Supply	Kings	May-Aug	Cu/Herbicides
Ventura	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Vernon Drain	Constructed	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Viau	Constructed	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Viau	Pipeline	2.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Viau, S. (Pvt)	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Victoria	Constructed	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Victoria	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Victoria Colony, E. & W.	Constructed	3.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Victoria Colony, E. & W.	Pipeline	2.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Villi Lateral	Earthen	1.4	Supply	Kings/CA Aq	Yr Round	Cu/Herbicides
Vinland Ave.	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Virginia Way	Pipeline	1.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Vogel	Constructed	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Vogel	Pipeline	3.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Vogel "B" (87/Pvt)	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
W. Acres (Pvt)	Constructed	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
W. Acres (Pvt)	Pipeline	0.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
W. Island Canal	Earthen	3.3	Supply	Kings/GW	Jun - Aug	Cu/Herbicides
W. Perrin System	Constructed	3.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
W. Perrin System	Pipeline	3.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Wahtoke	Pipeline	2.3	Supply	Kings	May-Aug	Herbicides
Wahtoke	Earthen	2.8	Supply	Kings	May-Aug	Cu/Herbicides
Wakasa (81/Pvt)	Pipeline	0.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Walnut Ditch	Earthen	2.8	Supply	Kings	May-Jul	Cu, Herbicides
Walnut Ditch	Concrete	0.5	Supply	Kings	May-Jul	Cu, Herbicides
Walnut Ditch	Pipeline	1.4	Supply	Kings	May-Jul	Herbicides
Ward Drainage Canal	Earthen	7.9	Supply	Kings	May-Jul	Cu, Herbicides
Ward Drainage Canal	Pipeline	2.4	Supply	Kings	May-Jul	Herbicides
Washington Colony	Pipeline	6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Washington Colony, Ctr	Constructed	5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Washington Colony, Ctr	Pipeline	0.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Washington Colony, N.	Constructed	3.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Washington Colony, N.	Pipeline	0.9	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Washington Colony, S.	Constructed	3.7	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Washington Colony, S.	Pipeline	0.6	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Waverly Ditch	Earthen	1.4	Supply	Kings	May-Jul	Cu, Herbicides
Waverly Ditch	Concrete	0.9	Supply	Kings	May-Jul	Cu, Herbicides
Waverly Ditch	Pipeline	1.6	Supply	Kings	May-Jul	Herbicides
Weber Ditch	Earthen	0.5	Supply	Kings	May-Jul	Cu, Herbicides
Weber Ditch	Pipeline	3	Supply	Kings	May-Jul	Herbicides
Welsse	Earthen	1	Supply	Kings	May-Aug	Cu/Herbicides
West Gould	Concrete	0.5	Supply	Kings	May-Aug	Cu/Herbicides
West Gould	Pipeline	1.8	Supply	Kings	May-Aug	Herbicides
West Gould	Earthen	2.6	Supply	Kings	May-Aug	Cu/Herbicides

TABLE 51A C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 51A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
West Reedley	Pipeline	2.7	Supply	Kings	May-Aug	Herbicides
West Reedley	Earthen	2.9	Supply	Kings	May-Aug	Cu/Herbicides
West Section 20	Concrete	1.8	Supply	Kings	May-Aug	Cu/Herbicides
Wheaton	Constructed	1.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Wheaton	Pipeline	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Wheeler	Pipeline	1.1	Supply	Kings/GW	Jun - Aug	
Whitmore (78/Pvt)	Constructed	1.8	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Whitmore (78/Pvt)	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Whittley	Constructed	0.3	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Wilder	Constructed	1.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Wilder	Pipeline	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Wildflower Ditch	Earthen	1	Supply	Kings	May-Jul	Cu, Herbicides
Wildflower Ditch	Pipeline	1.2	Supply	Kings	May-Jul	Herbicides
Wilson	Pipeline	0.2	Supply	Kings	May-Aug	Herbicides
Wilson	Earthen	10.5	Supply	Kings	May-Aug	Cu/Herbicides
Wilson (16)	Pipeline	1.4	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Wilson Hunter	Earthen	1.5	Supply	Kings	May-Aug	Cu/Herbicides
Wilson School House	Pipeline	0.1	Supply	Kings	May-Aug	Herbicides
Wilson School House	Earthen	3.3	Supply	Kings	May-Aug	Cu/Herbicides
Windsor	Pipeline	1.3	Supply	Kings	May-Aug	Herbicides
Winters (22/Pvt)	Constructed	0.2	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	Cu/Herbicides
Winters (22/Pvt)	Pipeline	0.1	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Woodward	Pipeline	0.5	Supply	San Joaquin/Kings/Eastside streams	Mar-Sep	
Wristen Ditch	Earthen	14	Supply	Kings	May-Jul	Cu, Herbicides
Wristen Ditch	Concrete	0.2	Supply	Kings	May-Jul	Cu, Herbicides
Wristen Ditch	Pipeline	2.6	Supply	Kings	May-Jul	Herbicides

TABLE 51A C-3
RECONSTRUCTED NATURAL WITHIN DRAINAGE BASIN 51A DOMINATED BY AGRICULTURAL RETURN FLOWS OR AGRICULTURAL SUPPLY FLOWS

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Byrd Ditch	Constructed	1.1	Supply	Kings	Yr Round	
Cameron Ditch	Constructed	0.7	Supply	Kings	Yr Round	
Carmelita Ditch	Constructed	3.1	Supply	Kings	Yr Round	
China Slough	Constructed	7.3	Supply	Kings	Yr Round	
Farms Ditch #1	Constructed	1.8	Supply	Kings	Yr Round	
Farms Ditch #3	Constructed	1.5	Supply	Kings	Yr Round	
Fink Ditch	Constructed	1	Supply	Kings	Yr Round	
Hanke Ditch	Constructed	2.9	Supply	Kings	Yr Round	
Harris Slough Ditch	Constructed	1.8	Supply	Kings	Yr Round	
Jack Ditch	Constructed	1.4	Supply	Kings	Yr Round	
Jacobi Ditch	Constructed	0.3	Supply	Kings	Yr Round	
McLaughlin Ditch	Constructed	1.7	Supply	Kings	Yr Round	
Old Fresno Slough (C)	Earthen	8.2	Supply	Kings/Mendota Pool		Cu/Herbicides
Phillips Ditch	Constructed	1.6	Supply	Kings	Yr Round	
Rice Ditch	Constructed	1.1	Supply	Kings	Yr Round	
Short Ditch #1	Constructed	1	Supply	Kings	Yr Round	
Turner Ditch	Constructed	1.6	Supply	Kings	Yr Round	

DRAINAGE BASIN 51B

TABLE 51B C-1

CONSTRUCTED AGRICULTURAL WITHIN DRAINAGE BASIN 51B

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
San Luis Drain	Concrete	13	Drainage		Dry	Se/TDS/B

TABLE 51B C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 51B

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
14 laterals	Pipeline	66	Supply	Coastal Aque/CA Aque	Yr Round	
2-3 Intertie	Earthen	1.2	Supply	CA Aque	Yr Round	Cu/Herbicides
Berenda Mesa Canal	Concrete	13.5	Supply	Coastal Aque/CA Aque	Yr Round	
Canal 2S	Earthen	1.3	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 3N	Earthen	0.5	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 3S	Earthen	0.8	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 415	Concrete	13	Supply	CA Aque	Yr Round	
Canal 4N	Earthen	0.7	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 4S	Earthen	2.2	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 500	Concrete	13	Supply	CA Aque	Yr Round	
Canal 5N	Earthen	1.1	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 5N	Pipeline	0.2	Supply	CA Aque	Yr Round	
Canal 5S	Earthen	0.5	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 5S	Pipeline	1.2	Supply	CA Aque	Yr Round	
Canal 6E	Earthen	5.5	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 6N	Earthen	4	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 6W	Earthen	3.3	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 7N	Earthen	4.2	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 7S	Earthen	3	Supply	CA Aque	Yr Round	Cu/Herbicides
Coalinga Canal	Concrete	12.8	Supply	CA Aque/GW	Yr Round	
Connector 5 to 6-1	Pipeline	1.9	Supply	CA Aque	Yr Round	
Inlet Canal	Concrete	6	Supply	CA Aque/GW	Yr Round	
Lateral 1-1	Pipeline	1.4	Supply	CA Aque	Yr Round	
Lateral 1-2	Pipeline	2.3	Supply	CA Aque	Yr Round	
Lateral 1-3	Pipeline	3.1	Supply	CA Aque	Yr Round	
Lateral 1-4	Pipeline	3.1	Supply	CA Aque	Yr Round	
Lateral 1-5	Concrete	1	Supply	CA Aque	Yr Round	Cu/Herbicides
Lateral 1-5	Pipeline	1.6	Supply	CA Aque	Yr Round	
Lateral 1-6	Pipeline	2	Supply	CA Aque	Yr Round	
Lateral 1-7	Pipeline	1	Supply	CA Aque	Yr Round	
Lateral 2-1	Earthen	4	Supply	CA Aque	Yr Round	Cu/Herbicides
Lateral 2-2	Earthen	3.5	Supply	CA Aque	Yr Round	Cu/Herbicides
Lateral 3-1	Pipeline	3.4	Supply	CA Aque	Yr Round	
Lateral 3-2	Pipeline	3.1	Supply	CA Aque	Yr Round	
Lateral 4-1	Pipeline	3.2	Supply	CA Aque	Yr Round	
Lateral 4-2	Pipeline	2.9	Supply	CA Aque	Yr Round	
Lateral 4-3	Pipeline	2.5	Supply	CA Aque	Yr Round	
Lateral 5-1	Pipeline	2.6	Supply	CA Aque	Yr Round	
Lateral 5-2	Pipeline	1.8	Supply	CA Aque	Yr Round	
Lateral 5-3	Pipeline	1.4	Supply	CA Aque	Yr Round	
Lateral 5-4	Pipeline	1.4	Supply	CA Aque	Yr Round	
Lateral 6-1	Earthen	0.7	Supply	CA Aque	Yr Round	Cu/Herbicides
Lateral 6-5E	Earthen	3	Supply	CA Aque	Yr Round	Cu/Herbicides
Lateral 6-6	Earthen	1.5	Supply	CA Aque	Yr Round	Cu/Herbicides
Lateral 6-7	Earthen	1.5	Supply	CA Aque	Yr Round	Cu/Herbicides
Main Lateral 1	Concrete	6.1	Supply	CA Aque	Yr Round	Cu/Herbicides
Main Lateral 1	Pipeline	1.8	Supply	CA Aque	Yr Round	
San Luis Canal	Concrete	68	Supply	CA Aque/GW	Yr Round	
Zone 5	Earthen	9	Supply	CA Aque	Yr Round	

TABLE 57 B-2 NATURAL CHANNELS DOMINATED BY AGRICULTURAL SUPPLY WATER WITHIN DRAINAGE BASIN 57						
Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Buena Vista Aquatic Rec Area	Natural	N/A	Supply	Kern/CA Aque/GW	Yr round	As

TABLE 57 C-1 CONSTRUCTED AGRICULTURAL WITHIN DRAINAGE BASIN 57						
Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
East Rim Ditch	Earthen	1.2	Drainage	N/A	Jan, Jun-Aug, Dec	Cu/Herbicides
North Rim Ditch	Earthen	3	Drainage	N/A	Jan, Jun-Aug, Dec	Cu/Herbicides
West Rim Ditch	Earthen	3.5	Drainage	N/A	Jan, Jun-Aug, Dec	Cu/Herbicides

TABLE 57 C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 57

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
10P Lateral	Pipeline	1.7	Supply	CA Aque/GW/Westside streams	Yr Round	Nitrate/Cu/Herbicides
15G system	Pipeline	9.8	Supply	CA Aque/Westside streams	Yr Round	Nitrate
20 Foot Ditch	Earthen	7.5	Supply	Kern	Yr Round	As/Cu/Herbicides
850 Canal	Concrete	8.5	Supply	CA Aque/GW/Westside streams	Yr Round	Nitrate/Cu/Herbicides
850-A system	Pipeline	10.3	Supply	CA Aque/GW/Westside streams	Yr Round	Nitrate/Cu/Herbicides
850-B system	Pipeline	16.2	Supply	CA Aque/GW/Westside streams	Yr Round	Nitrate/Cu/Herbicides
850-C system	Pipeline	14.5	Supply	CA Aque/GW/Westside streams	Yr Round	Nitrate/Cu/Herbicides
850-D system	Pipeline	12.9	Supply	CA Aque/GW/Westside streams	Yr Round	Nitrate/Cu/Herbicides
Beardsley	Concrete	8.5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
Branch 1	Earthen	6.4	Supply	Kern	Yr Round	As/Cu/Herbicides
Branch 1	Concrete	1.4	Supply	Kern	Yr Round	As/Cu/Herbicides
Branch 1	Pipeline	0.7	Supply	Kern	Yr Round	As
Branch 2	Earthen	4.2	Supply	Kern	Yr Round	As/Cu/Herbicides
Buena Vista Canal	Earthen	18.7	Supply	Kern	Yr Round	As/Cu/Herbicides
Calloway	Earthen	28.5	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
Central Branch	Earthen	15.8	Supply	Kern/GW	Yr Round	As/Cu/Herbicides
Central Branch	Concrete	1.3	Supply	Kern/GW	Yr Round	As/Cu/Herbicides
Cross Valley Canal	Earthen	4	Supply	CA Aque/Friant Kern/Kern		THM/TDS/Bacti/As/Cu
Cross Valley Canal	Concrete	17	Supply	CA Aque/Friant Kern/Kern		THM/TDS/Bacti/As/Cu
East Branch	Earthen	2.6	Supply	Kern	Yr Round	As/Cu/Herbicides
East Branch	Pipeline	0.5	Supply	Kern	Yr Round	As
East Intake Canal	Earthen	6	Supply	CA Aque/Kern/Goose Lake Slough		As/Cu
East Intake Canal	Concrete	0.2	Supply	CA Aque/Kern		As/Cu
East Side canal	Earthen	19.8	Supply/Urban	Kern	Yr Round	As/Cu/Herbicides
Farmers Canal	Earthen	18.7	Supply	Kern	Yr Round	As/Cu/Herbicides
Intake	Concrete	14.4	Supply	Friant Kern/CA Aque/Kern/GW	Yr Round	As/Cu
Intake Canal	Earthen	0.6	Supply	CA Aque/Kern/GW		As/Cu/Herbicides
Kern Island Drain	Earthen	2.5	Supply	Kern	Yr Round	As/Cu/Herbicides

TABLE 57 C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 57

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Kern Island Main	Earthen	20.8	Supply/Urban	Kern/GW	Yr Round	As/Cu/Herbicides
Kern Island Main	Concrete	0.6	Supply/Urban	Kern	Yr Round	As/Cu/Herbicides
New Rim Ditch	Earthen	8.7	Supply	Kern	Yr Round	As/Cu/Herbicides
North	Concrete	12.6	Supply	Friant Kern/CA Aque/Kern/GW	Yr Round	As/Cu
South	Concrete	17	Supply	Friant Kern/CA Aque/Kern/GW	Yr Round	As/Cu
Stine Canal	Earthen	12	Supply/Urban	Kern	Yr Round	As/Cu/Herbicides
Stine Canal	Pipeline	1	Supply/Urban	Kern	Yr Round	As
West Intake Canal	Earthen	1	Supply	CA Aque/Kern		As/Cu
West Intake Canal	Concrete	0.5	Supply	CA Aque/Kern		As/Cu
WRM-11 system	Pipeline	2.9	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-12 system	Pipeline	10.3	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-13A system	Pipeline	1.3	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-13B system	Pipeline	4.1	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-14 system	Pipeline	8.8	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-2 system	Pipeline	4.8	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-3 system	Pipeline	11.9	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-4 system	Pipeline	27.8	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-5 system	Pipeline	55.8	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-6 system	Pipeline	10.8	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-7 system	Pipeline	38.4	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-8 system	Pipeline	28	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-9 system	Pipeline	14.4	Supply	CA Aque/GW	Yr Round	Nitrate
WRM-9A system	Pipeline	9.7	Supply	CA Aque/GW	Yr Round	Nitrate

TABLE 58A B-2

NATURAL CHANNELS DOMINATED BY AGRICULTURAL SUPPLY WATER WITHIN DRAINAGE BASIN 58A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Cottonwood Creek	Natural	5.4	Supply	Kaweah/Eastside streams	Feb-Jul	
Cross Creek	Natural	11.7	Supply	Kaweah/Eastside streams	Feb-Jul	
Deep Creek/Lower Deep Creek	Natural	12	Supply	Kaweah/Eastside streams	Feb-Jul	
Elbow Creek	Natural	16.3	Supply	Kaweah/Eastside streams	Feb-Jul	
Elk Bayou Creek	Natural	9.9	Supply	Kaweah/Eastside streams	Feb-Jul	
Kaweah River	Natural	11.3	Supply	Kaweah/Eastside streams	Feb-Jul	
Outside Creek	Natural	6.2	Supply	Kaweah/Eastside streams	Feb-Jul	
St. Johns River	Natural	14.1	Supply	Kaweah/Eastside streams	Feb-Jul	

TABLE 58A C-2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58A

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Abercrombie	Earthen	20 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Alcorn	Earthen	2	Supply	Kings/Kaweah	Yr Round	
Anderson	Earthen	147 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Art Shannon	Earthen	22 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Bill clark	Earthen	2 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Burr	Earthen	1.25	Supply	Kings/Kaweah	Yr Round	
Burr	Pipeline	0.25	Supply	Kings/Kaweah	Yr Round	
Cardoza Ditch	Earthen	1.5	Supply	Kaweah/Eastside streams	Feb-Jul	
Cartmill	Earthen	166 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Catron Ditch	Earthen	1.5	Supply	Kaweah/Eastside streams	Feb-Jul	
Champlin	Earthen	1.6	Supply	Kings/Kaweah	Yr Round	
Champlin	Pipeline	0.75	Supply	Kings/Kaweah	Yr Round	
Clark	Earthen	4	Supply	Kings/Kaweah	Yr Round	
Colpien	Earthen	160 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Consolidated Peoples Ditch	Earthen	1.7	Supply	Kaweah/Eastside streams	Feb-Jul	
Corcoran 1,2,3	Earthen	1750 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Corcoran Hwy	Earthen	120 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Creamline	Earthen	153 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Davis Ditch	Earthen	3.6	Supply	Kaweah/Eastside streams	Feb-Jul	
Doe	Earthen	40 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Doe-Goshen	Earthen	20 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Doe-Ritchie	Earthen	20 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Doris	Earthen	15 ac	Recharge	Kaweah/Eastside streams	Yr Round	
East Branch	Earthen	6.5	Supply	Kings/Kaweah	Yr Round	
East Fork	Earthen	4.2	Supply/Drainage	Kings/Kaweah	Yr Round	Minerals
Ellis	Earthen	3 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Enterprize	Earthen	20 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Eucalyptus	Earthen	7	Supply	Kings/Kaweah	Yr Round	
Evans Ditch	Earthen	11	Supply	Kaweah/Eastside streams	Feb-Jul	
Extension Ditch	Earthen	5.9	Supply	Kaweah/Eastside streams	Feb-Jul	
Farmers Ditch	Earthen	2.5	Supply	Kaweah/Eastside streams	Feb-Jul	
Fleming Ditch	Earthen	4.1	Supply	Kaweah/Eastside streams	Feb-Jul	
Franks	Earthen	130 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Franks	Earthen	40 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Gary Shannon	Earthen	3 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Gordon Shannon	Earthen	15 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Goshen Ditch	Earthen	7.4	Supply	Kaweah/Eastside streams	Feb-Jul	
Goshen Pit	Earthen	12.5 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Gray Ditch	Earthen	0.8	Supply	Kaweah/Eastside streams	Feb-Jul	
Green	Earthen	10 ac	Recharge	Kaweah/Eastside streams	Yr Round	

Table 58A C-2 continued:

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Guernsey	Earthen	9.2	Supply/Drainage	Kings/Kaweah	Yr Round	Minerals
Guinn	Earthen	168 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Harrell	Earthen	50 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Howe	Earthen	52.5 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Hutchinson Ditch	Earthen	5.7	Supply	Kaweah/Eastside streams	Feb-Jul	
Improvement Dist.	Pipeline	1.7	Supply	Kings/Kaweah	Yr Round	
Jennings Ditch	Earthen	1.5	Supply	Kaweah/Eastside streams	Feb-Jul	
Johnson Slough	Earthen	1.6	Supply	Kaweah/Eastside streams	Feb-Jul	
Kaweah Canal	Earthen	11.7	Supply	Kaweah/Eastside streams	Feb-Jul	
Lakeside	Earthen	187 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Lakeside #1	Earthen	320 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Locust Grove Ditch	Earthen	6.3	Supply	Kaweah/Eastside streams	Feb-Jul	
Main	Earthen	7.5	Supply	Kings/Kaweah	Yr Round	
Main Ditch	Earthen	2.2	Supply	Kaweah/Eastside streams	Feb-Jul	
Matthews Ditch	Earthen	2.6	Supply	Kaweah/Eastside streams	Feb-Jul	
Middle Fork	Earthen	4.2	Supply	Kaweah/Eastside streams	Feb-Jul	
Modoc Ditch	Earthen	19	Supply	Kaweah/Eastside streams	Feb-Jul	
Nelson Pit	Earthen	34 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Nigger Slough	Earthen	4.1	Supply	Kaweah/Eastside streams	Feb-Jul	
North Fork	Earthen	7.1	Supply	Kaweah/Eastside streams	Feb-Jul	
Nunes	Earthen	40 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Oakes Ditch	Earthen	2.7	Supply	Kaweah/Eastside streams	Feb-Jul	
Overland	Earthen	160 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Packwood Ditch	Earthen	10	Supply	Kaweah/Eastside streams	Feb-Jul	
Persion Ditch	Earthen	11.6	Supply	Kaweah/Eastside streams	Feb-Jul	
Rice Ditch	Earthen	11.1	Supply	Kaweah/Eastside streams	Feb-Jul	
S. Prong	Earthen	5.6		Kaweah/Eastside streams	Feb-Jul	
Sanchez	Earthen	5 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Settlers	Earthen	3	Supply	Kings/Kaweah	Yr Round	
Settlers	Pipeline	0.5	Supply	Kings/Kaweah	Yr Round	
Shannon-Modoc	Earthen	4 ac	Recharge	Kaweah/Eastside streams	Yr Round	
St. Johns Ditch	Earthen	1.4	Supply	Kaweah/Eastside streams	Feb-Jul	
Sunset	Earthen	100 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Tagus	Earthen	80 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Tulare Colony	Earthen	5.5	Supply	Kaweah/Eastside streams	Feb-Jul	
Tulare Irrigation District	Earthen	122.5	Supply	Kaweah/Eastside streams	Feb-Jul	
Watson Ditch	Earthen	3.7	Supply	Kaweah/Eastside streams	Feb-Jul	
Watte	Earthen	17 ac	Recharge	Kaweah/Eastside streams	Yr Round	
West Fork	Earthen	4.8	Supply	Kings/Kaweah	Yr Round	
Willow School	Earthen	50 ac	Recharge	Kaweah/Eastside streams	Yr Round	
Wutchumna Ditch	Earthen	2.8	Supply	Kaweah/Eastside streams	Feb-Jul	
Youd	Earthen	5.8	Supply	Kings/Kaweah	Yr Round	

TABLE 58A C-3
RECONSTRUCTED NATURAL WITHIN DRAINAGE BASIN 58A DOMINATED BY AGRICULTURAL RETURN FLOWS OR AGRICULTURAL SUPPLY FLOWS

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Bates Slough	Natural	4.3	Supply	Kaweah/Eastside streams	Feb-Jul	
Cameron Creek	Earthen	8.4	Supply	Kaweah/Eastside streams	Feb-Jul	
Inside Creek	Earthen	5.2	Supply	Kaweah/Eastside streams	Feb-Jul	
Lewis Creek	Earthen	3.3	Supply	Kaweah/Eastside streams	Feb-Jul	
Mill Creek	Natural	26.7	Supply	Kaweah/Eastside streams/Mun WW	Feb-Jul	
N. Branch Tule River	Earthen	1.9	Supply	Kaweah/Eastside streams	Feb-Jul	
Tule River	Earthen	7.1	Supply	Kaweah/Eastside streams	Feb-Jul	

TABLE 58B C-2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58B

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Campbell-Moreland Ditch	Earthen	4.62	Supply/Urban	Tule/GW	Yr Round	
Campbell-Moreland Ditch	Concrete	0.18	Supply/Urban	Tule/GW	Yr Round	
Casa Blanca Canal	Earthen	18.5	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Cemetary Lateral	Earthen	1.28	Supply	Friant Kern/GW	Jan-Aug	Cu
Hubbs-Miner Ditch	Earthen	6.5	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Improvement District #1	Earthen	4.2	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Improvement District #2	Earthen	3.3	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Lateral 1	Earthen	1.14	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 10	Earthen	1.73	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 11	Earthen	0.87	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 12	Earthen	1	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 14	Earthen	0.63	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 15	Earthen	0.4	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 16	Earthen	1.73	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 17	Earthen	1.31	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 1A	Earthen	1.25	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 1B	Earthen	1.25	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 2	Earthen	2.61	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 20	Earthen	0.54	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 21	Earthen	2.19	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 22	Earthen	2.27	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 23	Earthen	1.76	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 23E	Earthen	0.25	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 24	Earthen	1	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 25	Earthen	2.73	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 26	Earthen	1.14	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 3	Earthen	1.82	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 6	Earthen	0.28	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 7	Earthen	1.5	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 8	Earthen	1.88	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral 9	Earthen	1.38	Supply	Friant Kern/GW	Jan-Aug	Cu
Lateral A	Pipeline	22.5	Supply	Friant Kern	Feb-Nov	Cu
Lateral B	Pipeline	17.25	Supply	Friant Kern	Feb-Nov	Cu
Lateral C	Pipeline	13.75	Supply	Friant Kern	Feb-Nov	Cu
Lateral D	Pipeline	2	Supply	Friant Kern	Feb-Nov	Cu
Main Canal	Earthen	3.44	Supply	Friant Kern/GW	Jan-Aug	Cu
North Canal	Earthen	4	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
P-5	Earthen	1.3	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Pioneer Ditch	Earthen	2.5	Supply/Urban	Tule/GW	Yr Round	
Pioneer Ditch	Pipeline	15.9	Supply/Urban	Tule/GW	Yr Round	
Poplar Ditch	Earthen	9.2	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Porter Slough Ditch	Earthen	8.3	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Recharge Basin	Earthen	5 ac	Dry		Flood times	
Rhodes Fine Ditch	Earthen	1.5	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Salyer Ditch	Earthen	3	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Taylor Canal	Earthen	3	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Tipton Canal	Earthen	27	Supply/Urban	Tule/Friant Kern	Yr Round	Cu
Undergrd pipe	Pipeline	110	Supply	Friant Kern	Cu	
Vandalia Ditch	Earthen	1.8	Supply/Urban	Tule/GW	Yr Round	
Vandalia ID Pipeline	Pipeline	4.2	Supply/Urban	Tule/GW	Yr Round	
White R. Canal	Earthen	3.12	Supply	Friant Kern/GW	Jan-Aug	Cu
Woods-Central Ditch	Earthen	34.5	Supply/Urban	Tule/Friant Kern	Yr Round	Cu

TABLE 58B C-3
RECONSTRUCTED NATURAL WITHIN DRAINAGE BASIN 58B DOMINATED BY AGRICULTURAL RETURN FLOWS OR AGRICULTURAL SUPPLY FLOWS

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Deer Crk (Below FK)	Natural	24	Supply	Friant Kern Canal	Jan-Aug	Cu
Deer Crk Ditch	Earthen	3.5	Supply	Deer Crk		
Pipeline	Pipeline		Supply	Friant Kern Canal		Cu
Pipeline	Pipeline		Supply	Calif Aq./Kern R/Friant Kern Canal	Yr Round	Cu
Pipeline	Pipeline		Supply	Calif Aq./Kern R/Friant Kern Canal	Yr Round	Cu
Pipelines	Pipeline		Supply	Friant Kern Canal		
Porter Slough	Natural	11.5	Supply/Urban	Tule/Friant Kern Canal	Yr Round	Cu
Tule River (Below FK)	Natural	41	Supply	Tule	Yr Round	
Tule River (Success to FK)	Natural	12	Supply	Tule	Yr Round	
White River	Earthen	12	Drainage		Rare	Minerals

TABLE 58C C-1

CONSTRUCTED AGRICULTURAL WITHIN DRAINAGE BASIN 58C

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Barnett	Earthen	1.5	Drainage		Jan-Mar, May-Sep	As/B/TDS
Canal 14 Spill	Earthen	1	Drainage		Jan-Mar, May-Sep	As/B/TDS
Canal 17 Spill	Earthen	0.9	Drainage		Jan-Mar, May-Sep	As/B/TDS
Canal 31	Earthen	0.9	Drainage		Jan-Mar, May-Sep	As/B/TDS
Depot	Earthen	6	Drainage		Jan-Mar, May-Sep	As/B/TDS
Depot Ext (Parsons)	Earthen	0.6	Drainage		Jan-Mar, May-Sep	As/B/TDS
East Side	Earthen	2	Drainage		Jan-Mar, May-Sep	As/B/TDS
Elk Grove	Earthen	3.1	Drainage		Jan-Mar, May-Sep	As/B/TDS
Flax	Earthen	0.9	Drainage		Jan-Mar, May-Sep	As/B/TDS
Florida	Earthen	5.6	Drainage		Jan-Mar, May-Sep	As/B/TDS
Goodspeed	Earthen	0.6	Drainage		Jan-Mar, May-Sep	As/B/TDS
Gooselake Canal	Earthen	21.9	Drainage		Jan-Mar, May-Sep	As/B/TDS
Headquarters	Earthen	1.9	Drainage		Jan-Mar, May-Sep	As/B/TDS
Holiday	Earthen	0.2	Drainage		Jan-Mar, May-Sep	As/B/TDS
Houchin	Earthen	0.8	Drainage		Jan-Mar, May-Sep	As/B/TDS
Huber	Earthen	0.7	Drainage		Jan-Mar, May-Sep	As/B/TDS
Juan	Earthen	0.6	Drainage		Jan-Mar, May-Sep	As/B/TDS
Kay	Earthen	0.5	Drainage		Jan-Mar, May-Sep	As/B/TDS
Lateral X	Earthen	1.4	Drainage		Jan-Mar, May-Sep	As/B/TDS
Main Drain	Earthen	29	Drainage		Jan-Mar, May-Sep	As/B/TDS
Main Drain Branch	Earthen	3.1	Drainage		Jan-Mar, May-Sep	As/B/TDS
Mirasol	Earthen	2.8	Drainage		Jan-Mar, May-Sep	As/B/TDS
Palomas	Earthen	6.4	Drainage		Jan-Mar, May-Sep	As/B/TDS
Parallel	Earthen	2.6	Drainage		Jan-Mar, May-Sep	As/B/TDS
Pasture	Earthen	4.1	Drainage		Jan-Mar, May-Sep	As/B/TDS
Quail	Earthen	1.3	Drainage		Jan-Mar, May-Sep	As/B/TDS
Road	Earthen	0.4	Drainage		Jan-Mar, May-Sep	As/B/TDS
School House B Spill	Earthen	0.4	Drainage		Jan-Mar, May-Sep	As/B/TDS
Sec 3-4	Earthen	1.6	Drainage		Jan-Mar, May-Sep	As/B/TDS
Sec 8	Earthen	1.2	Drainage		Jan-Mar, May-Sep	As/B/TDS
Sudan	Earthen	1.7	Drainage		Jan-Mar, May-Sep	As/B/TDS
Wasco	Earthen	1.8	Drainage		Jan-Mar, May-Sep	As/B/TDS

TABLE 58C C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58C

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
134.4	Concrete	0.7	Supply	Friant Kern Canal	Yr Round	Cu
137.2	Pipeline	1.1	Supply	Friant Kern Canal	Yr Round	Cu
8-1	Earthen	1	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-11	Earthen	3	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-13	Earthen	3	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-15	Earthen	0.5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-17	Earthen	3.5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-19	Earthen	1	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-21	Earthen	2	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-25	Earthen	5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-29	Earthen	3.5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-29	Pipeline	1.5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-3	Earthen	4.5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-3	Pipeline	0.5	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-5	Earthen	3	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
8-9	Earthen	4	Supply	Kern/CA Aque//Ind WW/GW	Yr Round	As/Herbicides
9-10	Pipeline	2.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-14	Pipeline	2	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-16	Pipeline	2.5	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-18	Earthen	1.5	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-18	Pipeline	0.5	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-2	Earthen	3	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-22	Earthen	7	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-22	Pipeline	2.5	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-26	Earthen	9.5	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-4	Earthen	0.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-6	Earthen	0.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-6	Pipeline	0.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-7	Earthen	1	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
9-7	Pipeline	0.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides

TABLE 58C C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58C

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
17 Ext	Earthen	2.8	Supply/Drainage	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
80 Foot	Earthen	6.3	Supply/Drainage	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Alejandro	Concrete	4.9	Supply	Kern/GW	Jan-Mar, May-Sep	As
Alejandro Inlet	Earthen	1.1	Supply	Kern/GW	Jan-Mar, May-Sep	As
Angelo	Earthen	1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Ante Ditch	Earthen	0.8	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Arizona	Earthen	5.3	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Baker	Earthen	0.5	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Bishop	Earthen	0.6	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Bull Pump	Earthen	0.1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Buttonwillow Ridge Canal		10.5	Supply	CA Aque/GW		Cu/Herbicides
Canal 14	Earthen	1.1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal 15	Earthen	1.8	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal 17	Earthen	4.3	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal 21	Earthen	1.2	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal 29	Earthen	1.9	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal 30 (East)	Earthen	0.8	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal 30 (West)	Earthen	0.3	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal 8	Earthen	0.5	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal A	Earthen	1.7	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Canal N	Earthen	1.1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Cass	Earthen	1.4	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Conduit A	Pipeline	0.49	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Conduit B	Pipeline	2.13	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Conduit C	Pipeline	7.51	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Cord	Earthen	0.8	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Corn Camp	Earthen	2.7	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Cox	Earthen	3.8	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Cross Canal	Earthen	1.4	Supply	Kern/CA Aque	Jan-Mar, May-Sep	As
CT-1	Concrete	6	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides

TABLE 58C C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58C

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
CT-2	Concrete	4.5	Supply	Kern/CA Aque/Poso/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
Deep Wells	Earthen	4	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Delfino	Pipeline	0.5	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Ditch 14	Earthen	0.4	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Eastside	Earthen	23.8	Supply/Drainage	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Eastside Cutoff	Earthen	1.4	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Estrada	Earthen	0.8	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Freeborn	Earthen	1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Garden	Earthen	0.6	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Garden	Pipeline	1.4	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Inlet BV Lake	Earthen	2.8	Supply	Kern	Jan-Mar, May-Sep	As
Intake Canal		11	Supply	CA Aque/GW		Cu/Herbicides
K System	Pipeline	1.1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Kern R. Canal	Earthen	0.5	Supply	Kern/GW	Jan-Mar, May-Sep	As
Lateral 2	Earthen	1.5	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Lateral 2 Ext	Earthen	0.6	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Lateral 9	Earthen	1.4	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Lateral EX-1	Pipeline	1.5	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral N-1	Pipeline	1.41	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral N-2	Pipeline	2	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral N-3	Pipeline	1.99	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral N-4	Pipeline	1.99	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral N-5	Pipeline	4.5	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral S-1	Pipeline	2.41	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral S-2	Pipeline	1.98	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral S-3	Pipeline	3.82	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral S-4	Pipeline	3.79	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lateral S-5	Pipeline	3.5	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Lerdo	Earthen	14.4	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
Main	Earthen	6.3	Supply	Kern	Jan-Mar, May-Sep	As

TABLE 58C C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58C

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Mirasol	Earthen	1.1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Mirasol Pl	Pipeline	0.3	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Mole	Earthen	0.5	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
N. of Poso Canal	Concrete	0.65	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Outlet Channel	Earthen	7	Supply	Kern/CA Aque	Jan-Mar, May-Sep	As
Pond-Poso Canal		20	Supply	CA Aque/GW		Cu/Herbicides
Poso Crk Reservoir	Earthen	60 ac	Storage	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
R-0	Earthen	8	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
R-1	Earthen	1	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
R-2	Earthen	1.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
R-3	Earthen	3.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
R-4	Earthen	0.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
R-5	Earthen	0.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
R-6	Earthen	0.5	Supply	Kern/CA Aque/Friant Kern/Ind WW/GW	Yr Round	As/Cu/Herbicides
Reservoir B	Earthen	25.11 ac	Storage	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Reservoir C	Earthen	27.27 ac	Storage	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
Richfield Bypass	Earthen	3.2	Supply	Kern	Jan-Mar, May-Sep	As
Robertson	Earthen	12.81 ac	Storage	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
S. Canal 5	Earthen	0.5	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
S. of Poso Canal	Concrete	4.63	Supply	CA Aque/Kern/Friant Kern/GW/Ind WW		As/Cu
School House B	Earthen	4.1	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Schoolhouse Cutoff	Earthen	0.9	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Seg. Ditch	Earthen	4.2	Supply	Kern/CA Aque	Jan-Mar, May-Sep	As
Sexton	Earthen	0.3	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Shortmain	Earthen	1.2	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Spicer	Earthen	0.3	Supply/Drainage	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Sudan	Earthen	0.9	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Weed Island	Earthen	3.2	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Westside	Earthen	29	Supply/Drainage	Kern/CA Aque/GW	Jan-Mar, May-Sep	As
Whittier	Earthen	0.9	Supply	Kern/CA Aque/GW	Jan-Mar, May-Sep	As

DRAINAGE BASIN 58D

TABLE 58D C-1

CONSTRUCTED AGRICULTURAL WITHIN DRAINAGE BASIN 58D

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Main Pipeline	Pipeline	14	Drainage	N/A		Se/B/TDS/Mo
S. Main Drain	Earthen	6	Drainage	N/A		Se/B/TDS/Mo

TABLE 58D C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58D

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
AWD Main Canal	Earthen	16	Supply/Drainage	CA Aque/Kings/GW/Tule/Deer		Cu/Herbicides
AX Canal	Earthen	2.5	Supply	Kings/Kaweah /GW	Yr Round	
Bean	Earthen	4.5	Supply	Kings/Kaweah /GW	Yr Round	
Bean Ext	Earthen	1.5	Supply	Kings/Kaweah /GW	Yr Round	
Blakeley Canal	Constructed	28	Supply	Kings/CA Aque/Ind WW		Cu/Herbicides
Boswell Lateral	Earthen	1	Supply	Kings/Kaweah /GW	Yr Round	
Botts	Earthen	1	Supply	Kings/Kaweah /GW	Yr Round	
Canal 2-E	Concrete	4.5	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 2-E1	Concrete	2	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 2-S	Concrete	1.2	Supply	CA Aque	Yr Round	Cu/Herbicides
Canal 3-S	Concrete	4.7	Supply	CA Aque	Yr Round	Cu/Herbicides
Central Canal	Earthen	4.1	Supply/Drainage	CA Aque/Kings/GW/Tule/Deer		Cu/Herbicides
Corcoran	Earthen	3	Supply	Kings/Kaweah /GW	Yr Round	
Cross Crk East Branch	Constructed	6.5	Supply	Cross		Cu/Herbicides
Cross Crk Middle Branch	Constructed	8.7	Supply	Cross		Cu/Herbicides
Dallas	Earthen	1.5	Supply	Kings/Kaweah /GW	Yr Round	
Daulton	Earthen	2	Supply	Kings/Kaweah /GW	Yr Round	
East Branch Lakeland	Earthen	6	Supply	Kings/Kaweah /GW	Yr Round	
East Wells Canal Sys	Earthen	5.6	Supply/Drainage	GW		Cu/Herbicides
Fisk	Earthen	1.5	Supply	Kings/Kaweah /GW	Yr Round	
Gates Jones Canal	Constructed	7	Supply	Kings/Tule/Cross		Cu/Herbicides
Gilkey	Earthen	0.5	Supply	Kings/Kaweah /GW	Yr Round	
Guiberson	Earthen	1.5	Supply	Kings/Kaweah /GW	Yr Round	
Hacienda WD Main Canal	Constructed	6	Supply	CA Aque		Cu/Herbicides
Hall	Earthen	2	Supply	Kings/Kaweah /GW	Yr Round	
Helm Lewis	Earthen	4.5	Supply	Kings/Kaweah /GW	Yr Round	
Highline Canal	Earthen	13.5	Supply	Kings/Kaweah /GW	Yr Round	
Homeland Canal	Constructed	22	Supply	GW/Kings/CA Aque		Cu/Herbicides
Johnson	Earthen	1	Supply	Kings/Kaweah /GW	Yr Round	
Kern R. Canal	Constructed	3.5	Supply	Kern		As/Cu/Herbicides

TABLE 58D C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN DRAINAGE BASIN 58D

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
Kings Co Canal Lat A	Constructed	6	Supply			Cu/Herbicides
Kings Co Canal Lat B	Constructed	6	Supply			Cu/Herbicides
Kings Co Canal Lat C	Constructed	5.5	Supply			Cu/Herbicides
Kings R. So. Fk Canal	Constructed	4.5	Supply	Kings		Cu/Herbicides
Lakeland Canal (Highline to W. Branch)	Earthen	2.5	Supply	Kings/Kaweah /GW	Yr Round	
Lakeland Canal (Kings R. to Highline)	Earthen	9.5	Supply	Kings/Kaweah /GW	Yr Round	
Lakeland Canal No. 3	Earthen	2.75	Supply	Kings/Kaweah /GW	Yr Round	
Lakeland Canal No. 4	Earthen	1.5	Supply	Kings/Kaweah /GW	Yr Round	
Lamberson	Earthen	6	Supply	Kings/Kaweah /GW	Yr Round	
Lamberson No. 1	Earthen	2.5	Supply	Kings/Kaweah /GW	Yr Round	
Lamberson No. 2	Earthen	4	Supply	Kings/Kaweah /GW	Yr Round	
Lamberson No. 3	Earthen	2	Supply	Kings/Kaweah /GW	Yr Round	
Lamberson No. 4	Earthen	1	Supply	Kings/Kaweah /GW	Yr Round	
Lat 1-A	Pipeline	1	Supply	CA Aque	Yr Round	
Lat 1-B	Pipeline	0.9	Supply	CA Aque	Yr Round	
Lat 2-D	Pipeline	1	Supply	CA Aque	Yr Round	
Lat 3-E	Pipeline	7.1	Supply	CA Aque	Yr Round	
McCann No. 1	Earthen	5	Supply	Kings/Kaweah /GW	Yr Round	
McCann No. 2	Earthen	1.5	Supply	Kings/Kaweah /GW	Yr Round	
Morgan	Earthen	3	Supply	Kings/Kaweah /GW	Yr Round	
N. Hansen	Earthen	3	Supply	Kings/Kaweah /GW	Yr Round	
Niles Ave.	Earthen	2	Supply	Kings/Kaweah /GW	Yr Round	
Plymouth, Hayes Lat, Gregory	Earthen	4	Supply	Kings/Kaweah /GW	Yr Round	
S. Canal	Earthen	6	Supply/Drainage	CA Aque/Kings/GW/Tule/Deer		Cu/Herbicides
Sand Ridge Canal	Constructed	9.7	Supply			Cu/Herbicides
Sperry	Earthen	1.25	Supply	Kings/Kaweah /GW	Yr Round	
Sweet	Earthen	9	Supply	Kings/Kaweah /GW	Yr Round	
Sweet No. 1	Earthen	1.33	Supply	Kings/Kaweah /GW	Yr Round	
Sweet No. 1	Pipeline	2.67	Supply	Kings/Kaweah /GW	Yr Round	
TLBWSD Lat A	Constructed	16	Supply	CA Aque	Yr Round	Cu/Herbicides

TABLE 58D C-2
CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS WITHIN DRAINAGE BASIN 58D

Waterbody	Type of Construction	Length (Miles)	Water Type	Source	Flow Period	WQ Concerns
TLBWSD Lat B	Constructed	7	Supply	CA Aque	Yr Round	Cu/Herbicides
Tulare Lake Canal	Constructed	16	Supply	Kings/CA Aque/Tule		Cu/Herbicides
Tule R. Canal	Constructed	16.9	Supply	Tule		Cu/Herbicides
West Branch Lakeland	Earthen	4.5	Supply	Kings/Kaweah /GW	Yr Round	
West Corcoran	Earthen	3.5	Supply	Kings/Kaweah /GW	Yr Round	
West Wells Canal Sys	Earthen	14	Supply/Drainage	GW, Tule		Cu/Herbicides
Wilbur Ditch	Constructed	5	Supply	GW/Kings/CA Aque		Cu/Herbicides

TABLE F - B1

NATURAL CHANNELS WITHIN CENTRAL VALLEY FOOTHILLS DOMINATED BY AGRICULTURAL DRAINAGE FLOWS

Name	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Jackson Valley ID					
Dry Creek	2		tail	Apr - Sept	2,3,6
Nevada ID					
Wolf Creek	12		SW, tail	Jan - Dec	
Coon Creek	12		WW, tail, U	Jan - Dec	8,9,10
Auburn Ravine	6		WW, tail, U	Jan - Dec	8,9,10

TABLE F - B2

NATURAL CHANNELS WITHIN THE CENTRAL VALLEY FOOTHILLS DOMINATED BY AGRICULTURAL SUPPLY WATER

Name	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Jackson Valley ID				
Jackson Creek	7	SW, Tail	Apr - Sep	

TABLE F - C1

CONSTRUCTED AGRICULTURAL DRAINS WITHIN THE CENTRAL VALLEY FOOTHILLS

Name	Type of Construction	Length (miles)	Acres Drained	Water Type	Flow Period	Water Quality Concerns
Mill Race Group						
Main Drain Ditch	E		532+	tail	Apr - Oct	
South Fork ID						
West Side Canal	E	9.5		tail, SW	Apr - Sep	
East Side Canal	E	8		tail, SW	Apr - Sep	
Center Drain Canal	E	9		tail	Apr - Sep	
Fall River CD						
Island Rd. Drain	E	4		tail	Apr - Sep	
Horr Rd. Drain	E	2.5		tail	Apr - Sep	
McArthur Rd. Drain	E	6		tail	Apr - Sep	
Lee Rd. Drain	E	8		tail	Apr - Sep	

TABLE F - C2

CONSTRUCTED AGRICULTURAL IRRIGATION SUPPLY CANALS
WITHIN THE CENTRAL VALLEY FOOTHILLS

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Plumas County					
Mill Race	E	3.75	NF	Jan - Dec	
Meadow Valley Creek	E	1.5	NF	Jan - Dec	
Nevada Irrigation District					
(Nevada County)					
Allison Ranch	E,P,C	4.9	SW		
B	E,C	5.4	SW		14
Bald Hill	E	2.3	SW		14
Beyers	E	1.0	SW		14
Blum	E	0.4	SW		
Bowman-Spaulding	E	10.0	SW		
Breckenridge	P	0.2	SW		14
Buffington	E	0.4	SW		
Carpenter	E	1.3	SW		14
Cascade	E,P,C	7.2	SW		
Casy Loney	E	1.3	SW		14
Cement Hill	E	3.3	SW		
Cherry Creek	E	0.4	SW		
Chicago Park	E,P,C	7.7	SW		
Chicago Park East	E	1.5	SW		
Chicago Park West	E	1.8	SW		
China-Union	E,C	10.4	SW		14
Clear Creek Lateral	E	5.3	SW		14
Cole	E	2.1	SW		14
Cole-Viet	E	3.3	SW		14
Cole-Viet Extension	E	0.2	SW		14
Combie North PhaseI	C	1.7	SW		
Combie North Phase II	E,P,C	5.3	SW		
Combie North Phase III	E,P,C	2.5	SW		
Cory	E	1.8	SW		
DS + Extension	E	11.1	SW		
Forest Springs	E	3.0	SW		
Grove	E	3.1	SW		
Hannaman I	E,C	2.6	SW		
Hannaman II	E,C	1.8	SW		
John Henry Meyers	P	1.4	SW		
Keystone	E	3.0	SW		14
Kyler	E	1.7	SW		
Lafayette	E	0.8	SW		
Lester	E	2.2	SW		
Lower Grass Valley	E	2.8	SW		
Lower Sunshine Valley	E	1.1	SW		
Maben	E	5.1	SW		
Magnolia No. I	P	0.8	SW		
Magnolia No. II North	E,P	2.0	SW		
Magnolia No. II South	E,P	0.9	SW		
Magnolia No. III	E,C	3.6	SW		
Magnolia No. III Ext.	E	0.7	SW		
Markwell	E,P	5.1	SW		
Meyers-Bierwagen	E,P	0.5	SW		
Miller	E	1.0	SW		
Milton-Bowman	P	6.6	SW		
Newtown	E,P,C	16.4	SW		
Okie	P	0.3	SW		14
Pearl Barnes	E	1.0	SW		14
Pearl Barnes Ext.	E	0.2	SW		14
Pet Hill	E	2.7	SW		14
Pet Hill Extension	E	0.8	SW		14
Portugese	E	1.0	SW		14

Table F-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Quincy	E,P	0.9	SW		14
Rattlesnake	E,P,C	9.8	SW		
Red Dog	E	0.6	SW		
Red Hill	E	2.2	SW		
Rex	E	3.8	SW		14
Riffle Box	E	4.4	SW		14
Ripkin	E	0.6	SW		
Rough & Ready	E	6.5	SW		
Sanford Struckman	E	4.3	SW		14
Sazarac	E	0.8	SW		
Smith-Gordon	E	5.6	SW		14
Snow Mountain	E	5.0	SW		
Sontag	E	2.4	SW		
Spenceville	E	1.7	SW		14
Tarr	E	23.5	SW		14
Tunnel	E	3.2	SW		14
Tunnel Extension	E	2.0	SW		14
Upper Grass Valley	E	0.8	SW		
Upper Sunshine Valley	E	0.7	SW		
Weeks	E	0.7	SW		
Willow Valley	E	0.3	SW		
Wolf	E	6.1	SW		14
Woodpecker	E	1.4	SW		
(Placer County)					
Auburn Ravine I	E,P	3.1	SW		14
Auburn Ravine II	E	9.7	SW		14
Bean Cullers	E	0.8	SW		
Beck	E	0.3	SW		
Bogdanoff	E	1.6	SW		14
Camp Far West	E	14.6	SW		14
Camp Far West Extension	E	1.2	SW		14
Camp Far West-Lateral 1 So.	E	1.5	SW		14
Camp Far West-Lateral 2 So.	E	0.8	SW		14
Camp Far West-Lateral 4 So.	E	1.4	SW		14
Camp Far West-Lateral 5 So.	E	0.7	SW		14
Church	E	1.2	SW		14
Clark-Jorstad	E	4.4	SW		14
Columbia East	E	1.3	SW		
Combie-Ophir I & II	E,P	7.2	SW		
Combie-Ophir III	E,P	0.9	SW		
Combie Ophir IV	E	3.7	SW		
Comstrock-Gladding	E	3.1	SW		14
Doty North	E	8.3	SW		14
Doty South	E	4.5	SW		14
Doty South Extension	E	0.2	SW		14
Dudley	E	4.6	SW		
Edgewood	E	0.7	SW		
Forbes	E	1.3	SW		14
Fruitvale	E,P	2.0	SW		14
Gold Blossom	E	3.0	SW		
Gold Hill I	E	7.7	SW		
Gold Hill II	E	5.9	SW		
Hayt Extension	E	2.4	SW		
Hemphill	E	2.6	SW		14
Hymas	E	0.2	SW		14
Iron Canyon	E	1.5	SW		14
Kemper	E	0.2	SW		
Kemper East	E	1.0	SW		
Kember West	E	0.7	SW		
Kilaga Springs	E	0.9	SW		
Lincoln	E	5.7	SW		14
Little Ophir	E	0.9	SW		14

Table F-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Livingston	E	1.2	SW		14
Lone Star	E,P	4.7	SW		
Markell	E	1.7	SW		14
Musser	E	2.3	SW		14
Oest	E	1.3	SW		
Old Whiskey Diggins	E	1.0	SW		14
Ophir	E	0.7	SW		
Pickett	E	2.0	SW		
Pickett North	E	0.3	SW		
Pickett South	E	0.3	SW		
Renken	E	1.7	SW		14
Reilli	E	2.5	SW		14
Rock Creek	E	1.3	SW		14
Rock Creek/Gold Hill I Byps	E	0.0	SW		14
Rudd	E	0.3	SW		
Sohier-Ahart	E	1.1	SW		14
St. Patricks	E	0.9	SW		14
Stringham	E	1.5	SW		14
Thomas	E	1.1	SW		14
Valley View	E	0.8	SW		14
Vernon	E	2.9	SW		
West Columbia	E	0.8	SW		
Whiskey Diggins	E	2.8	SW		14
Willets	E	2.9	SW		
Wisewill-Gladding	E	0.9	SW		14
(Yuba County)					
Farm	E	6.8	SW		14
Meade	E	1.1	SW		14
Ousley Bar	E	1.3	SW		14
Town	E	1.3	SW		14
Placer County Water Agency					
Antelope	P,C,E	7.7	SW	Jan - Dec	
Antelope Stub	E	0.9	SW	Jan - Dec	
Auburn		2.2	SW	Jan - Dec	
Upper Banvard	P,E	1.1	SW	Jan - Dec	
Middle Banvard		0.1	SW	Jan - Dec	
Lower Banvard	E	3.2	SW	Jan - Dec	
Barton	P,E	1	SW	Jan - Dec	
Baughman	E,C,E	1.9	SW	Jan - Dec	
Ben Franklin	E	1.1	SW	Jan - Dec	
Boardman	P,C,E	62.3	SW	Jan - Dec	
Lower Bowman	P,E	2.3	SW	Jan - Dec	
Caperton	P,E	9.7	SW	Jan - Dec	
Dutch Ravine	E	0.9	SW	Jan - Dec	
Eastside	P,E	3.5	SW	Jan - Dec	
East Perry	E	1	SW	Jan - Dec	
Ferguson	E	0.6	SW	Jan - Dec	
Middle Fiddler Green	P,E	3.6	SW	Jan - Dec	
Boardman-Fiddler Green Div.	E	1.8	SW	Jan - Dec	
Freeman Pipe/Canal	E	2.6	SW	Jan - Dec	
Gaylord	E	0.6	SW	Jan - Dec	
Jamison		0.8	SW	Jan - Dec	
Loomis-Rocklin Pipe	E	3.8	SW	Jan - Dec	
Lower Greeley	C,E	2.4	SW	Jan - Dec	
Lyall	C,E	1	SW	Jan - Dec	
Marin	E	0.4	SW	Jan - Dec	
Monte Rio Pipe		1	SW	Jan - Dec	
Morgan	E	0.9	SW	Jan - Dec	
Newcastle	E	3.4	SW	Jan - Dec	
North Loop Newcastle	E	0.4	SW	Jan - Dec	
Penryn	P,C,E	3	SW	Jan - Dec	
Perry	E	1.4	SW	Jan - Dec	
W. Perry Ext. #1		0.5	SW	Jan - Dec	
W. Perry Ext. #2	E	0.4	SW	Jan - Dec	

Table F-C2 continued:

Name	Type of Construction	Length (miles)	Water Type	Flow Period	Water Quality Concerns
Red Ravine	P,C,E	5.4	SW	Jan - Dec	
Rock Springs	C,E	1.9	SW	Jan - Dec	
Shirland	C,E	5.4	SW	Jan - Dec	
Shirland Stub	E	0.7	SW	Jan - Dec	
Shockley	C,E	0.6	SW	Jan - Dec	
Stallman	E	0.3	SW	Jan - Dec	
Sugarloaf	C,E	1.3	SW	Jan - Dec	
Turner	C,E	0.8	SW	Jan - Dec	
Upper Greeley	E	2.3	SW	Jan - Dec	
Westside		1.7	SW	Jan - Dec	
Yankee Hill	P,C,E	0.7	SW	Jan - Dec	
El Dorado Irrigation District					
EID Main Ditch	E			Jan - Dec	
Crawford Ditch	E,P,C				
East Diamond Ditch	E			Jan - Dec	
Iowa Ditch	E			Jan - Dec	
Farmer's Free Ditch	E				
Odlin Ditch	E				
Gold Hill Ditch	E				
Missouri Flat Ditch	E				
Summerfield Ditch	E				
American and Meadow Valley					
Chandler Creek Lateral 1	E		SW		
Gansner Creek Lateral	E		SW		
Greenhorn Creek Lateral 1	E		SW		
Greenhorn Creek Lateral 2	E		SW		
Greenhorn Creek Lateral 3	E		SW		
Greenhorn Creek Lateral 4	E		SW		
Greenhorn Creek Lateral 5	E		SW		
Meadow Valley Creek Lateral 1	E		SW		
Meadow Valley Creek Lateral 2	E		SW		
Mill Creek Lateral 1	E		SW		
Mill Creek Lateral 2	E		SW		
Mill Creek Lateral 3	E		SW		
Schneider Creek Lateral	E		SW		
Spanish Creek Lateral 1	E		SW		
Spanish Creek Lateral 2	E		SW		
Taylor Creek Lateral 1	E		SW		
Taylor Creek Lateral 2	E		SW		
Thompson Creek Lateral	E		SW		
Mill Race Group					
Main Supply Ditch	E	3.75	SW,WW	Apr - Oct	
South Fork ID					
West Side Canal	E	9.5	SW, GW, Tail		
East Side Canal	E	8	SW, GW, Tail		
Fall River CD					
Lee Drainage Canal	E	4	SW		
McArthur Swamp Canal	E	4	SW		
McArther Diversion Canal	E	10	SW,Tail		
Sierra County					
Spring Channel	E		SW		
West Side Canal	E		SW		
Binman Spring Channel	E	4.5	SW		
Little Truckee Ditch	E	4.5	SW		