

Meeting of the  
Central Valley Flood Protection Board

Department of Water Resources  
Staff Report  
FloodSAFE Environmental Stewardship and Statewide Resource Office  
Delta Levees Flood Protection Program  
Delta Levees Maintenance Subventions Program

October 23, 2015

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I) INTRODUCTION

The Delta Levees Maintenance Subventions Program is authorized by the California Water Code, Sections 12980 thru 12995. The Subventions Program has been in effect since passage of the Way Bill in 1973 which has been modified periodically by Legislation. The Water Code Section 12981 states the intent of the legislature as ***“...the physical characteristics of the delta should be preserved essentially in their present form; and that the key to preserving the delta's physical characteristics is the system of levees defining the waterways and producing the adjacent islands...”***

Water Code Section 12987(a) states: ***“Local agencies maintaining project or nonproject levees shall be eligible for reimbursement pursuant to this part upon submission to and approval by the board of plans for the maintenance and improvement of the project or nonproject levees, including plans for the annual routine maintenance of the levees, in accordance with the criteria adopted by the board.”***

The Department of Water Resources (DWR) staff, on behalf of the Central Valley Flood Protection Board (Board), evaluates applications submitted by local agencies, i.e. reclamation districts and levee maintaining districts, and presents its recommendations to the Board. The Board reviews and approves staff recommendations prior to any agreements being executed between the parties. If approved, the Board enters into agreements with the local agencies. The agreements allow reimbursement to local agencies for eligible costs as permitted by law.

II) GUIDELINES: PROCEDURES AND CRITERIA

Water Code Section 12984 requires DWR to develop and submit criteria for the maintenance and improvement of nonproject and eligible project levees to the Board for

adoption. DWR requires guidelines for all expenditures under Proposition 1E (*Disaster Preparedness and Flood Prevention Bond Act of 2006*) and Proposition 84 (*The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006*). To meet both of these requirements, DWR developed the *Delta Levees Maintenance Subventions Program Guidelines: Procedures and Criteria (Guidelines)* approved by the Board on September 23, 2011. The current *Guidelines* are being updated and will be presented to the Board early next year.

### III) FUNDING

Historically, the Subventions Program has reimbursed an average of about \$6 million annually. Since the passage of Propositions 1E and 84, the funding level for the Subventions Program has significantly increased. The increased funding has allowed the program to reimburse between \$7 million and \$16 million each year. This increased funding has been used to support the maintenance and rehabilitation activities of over 700 miles of project and non-project levees annually. The table below summarizes the Board approved maximum reimbursement and the actual State reimbursement through the Subventions Program. Funding details for the proposed and recent fiscal years are discussed in the paragraphs that follow.

Fiscal Year	Maximum Reimbursement (\$)	Total Project Cost (\$)	Local Share (\$)	State Reimbursement (\$)
2007-2008	25.75 million	23 million	7 million	16 million
2008-2009	20 million	17 million	5 million	12 million
2009-2010	18 million	13 million	4 million	9 million
2010-2011	15 million	16 million	5 million	11 million
2011-2012	12 million	11 million	3 million	8 million
2012-2013	12 million	12 million	4 million	8 million
2013-2014	12 million	9 million	2 million	7 million
2014-2015	12 million	Final Claims due November 1, 2015		
2015-2016	12 million (Proposed)	Final Claims due November 1, 2016		

Fiscal Year 2012-2013:

The allocated funding for FY 2012-2013 was \$12 million. The Board executed 65 work agreements with local agencies for work completed between July 1, 2012 and June 30, 2013. Staff received 60 final claims from local agencies totaling about \$12 million of completed work. The local cost share was approximately \$4 million and the State cost share of \$8 million was reimbursed to the local agencies. The unused State cost share will revert back to the source, Proposition 1E.

Fiscal Year 2013-2014:

The allocated funding for FY 2013-2014 was \$12 million. The Board executed 65 work agreements with local agencies for work completed between July 1, 2013 and June 30, 2014. Staff received 64 final claims from local agencies totaling about \$9 million of completed work. The State has reimbursed 61 local agencies. Three local agencies are working with the California Department of Fish and Wildlife to meet their outstanding mitigation requirements and will be reimbursed once their mitigation requirements have been satisfied. The local cost share will be approximately \$2 million and the State cost share approximately \$7 million. The unused State cost share will revert back to the source, Proposition 1E.

Fiscal Year 2014-2015:

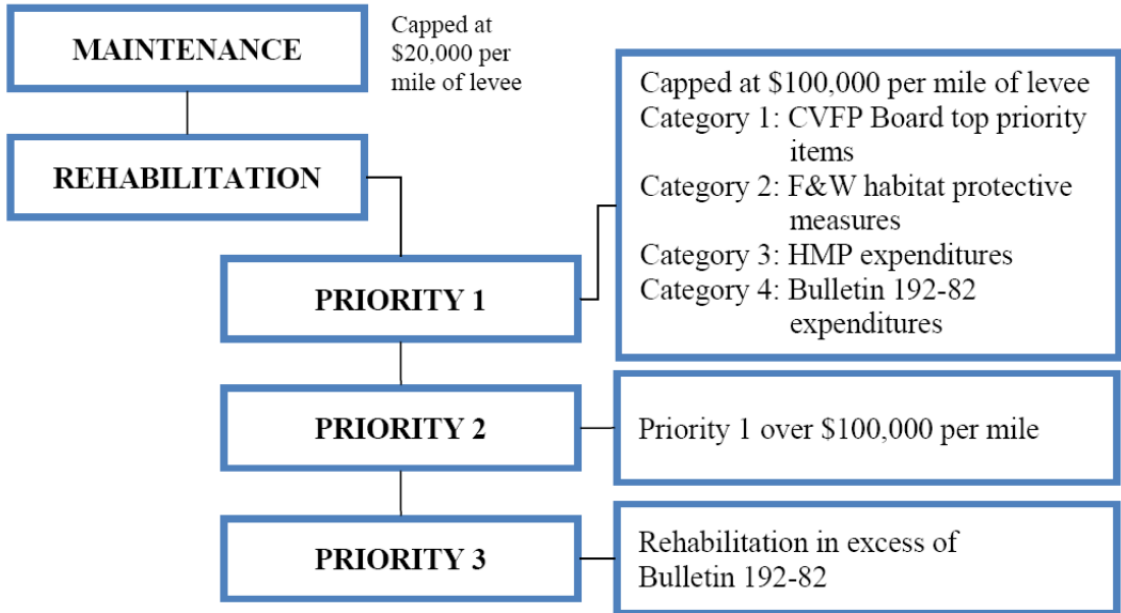
The allocated funding for FY 2014-2015 is \$12 million. The Board executed 68 work agreements with local levee maintaining agencies for the work completed between July 1, 2014 and June 30, 2015. The deadline to submit final claims is November 1, 2015.

Fiscal Year 2015-2016:

The allocated funding for this fiscal year is proposed to be \$12 million. This amount is a reasonable funding level and is the outcome of discussions between staff and the stakeholders. The source of this funding is Proposition 1E.

Staff has received 71 applications totaling approximately \$53 million. Tables 1 thru 3 are prepared for the Board's review and approval. Table 1 lists application amounts by local agencies and shows the eligible amount of reimbursements by priority, as defined in the *Guidelines* and as shown in Figure 1 - Funding Prioritization Scheme. Table 2 presents the FY 2015-2016 Funding Plan setting the maximum reimbursement and allocating the proposed \$12 million and the corresponding advance amount. Table 3 provides a summary of available reimbursement amounts and corresponding reimbursement rates for each priority up to the proposed funding of \$12 million.

**Figure 1 – Funding Prioritization Scheme**



**IV) STAFF RECOMMENDATIONS**

Staff recommends the following:

- 1) The Board approve Table 2 which establishes maximum reimbursement amounts and the limit on advances, providing that DWR receives adequate funding to proceed with the Subventions Program.
- 2) The Board authorize DWR staff to proceed with preparation and circulation of the work agreements for signature by the Board’s Executive Officer.

Tables and Attachments:

Table 1	Application Amounts by Priority
Table 2	Funding Plan
Table 3	Estimated Reimbursements Summary

**Table 1  
2015-16 DELTA LEVEE MAINTENANCE SUBVENTIONS PROGRAM  
APPLICATION AMOUNTS BY PRIORITY**

RD NO	District Name	Levee Length Miles	Application Amount \$	Net Allowable Maintenance \$	Levee Rehabilitation				
					Category 2 Fish & Wild. \$	Category 3 HMP \$	Category 4 Eligible Bull.192-82 \$	Priority 2 \$	Priority 3
2126	Atlas Tract	2.3	862,500	43,700	5,000	0	225,000	586,500	0
2028	Bacon Island	14.4	396,000	273,600	5,000	100,000	3,000	0	0
BIMID	Bethel Island MID	11.5	1,280,000	193,500	25,000	0	1,050,000	0	0
2042	Bishop Tract	7.8	1,912,500	148,200	2,500	50,000	727,500	976,500	0
404	Boggs Tract	0.7	139,500	13,300	4,500	0	65,500	55,500	0
756	Bouldin Island	18	731,000	342,000	5,000	0	366,000	0	0
2033	Brack Tract	10.8	346,000	205,200	0	0	130,000	0	0
2059	Bradford Island	7.4	218,000	103,600	55,000	7,500	42,500	2,000	0
BALMD	Brannan-Andrus LMD	29.4	1,849,500	558,600	125,000	0	1,136,500	0	0
800	Byron Tract	9.7	1,854,500	184,300	10,000	0	960,000	690,500	0
2098	Cache-Haas Slough	11	162,000	146,000	5,000	0	0	0	0
CLD	Collinsville Levee District	1	175,000	19,000	9,000	91,000	0	55,000	0
2117	Coney Island	5.4	139,500	75,600	3,500	0	55,000	0	0
2111	Deadhorse Island	2.6	240,000	49,400	9,000	100,000	79,000	0	0
2137	Dutch Slough	3.8	607,700	72,200	4,000	0	376,000	151,700	0
536	Egbert Tract	10.6	207,000	195,400	1,000	0	0	0	0
2029	Empire Tract	10.5	276,000	199,500	1,000	0	65,000	0	0
773	Fabian Tract	18.8	554,500	299,700	11,000	25,000	200,000	0	0
2113	Fay Island	1.6	248,000	30,400	16,500	100,000	43,500	56,000	0
3	Grand Island	28.8	1,455,000	547,200	10,000	0	869,000	0	0
2060	Hasting Tract	16	516,000	304,000	0	0	196,000	0	0
2025	Holland Tract	11	436,000	209,000	5,000	0	211,000	0	0
799	Hotchkiss Tract	8.9	440,000	169,100	0	0	262,000	0	0
830	Jersey Island	15.5	1,288,000	294,500	150,000	415,000	413,000	0	0
2038	Jones Island, Lower	9	432,000	141,000	80,000	30,000	170,000	2,000	0
2039	Jones Island, Upper	9.3	992,000	176,700	90,000	105,000	609,000	2,000	0
2044	King Island	9.1	201,000	172,900	1,000	0	18,000	0	0
1608	Lincoln Village West	3.6	215,000	68,400	12,500	0	130,500	0	0
307	Lisbon	6.6	303,500	125,400	55,000	0	116,500	0	0
2027	Mandeville Island	14.3	4,020,000	271,700	210,000	1,220,000	0	2,304,000	0
2110	McCormack-Wm. Tract	8.8	246,000	167,200	0	0	70,000	0	0
2030	McDonald Island	13.7	6,930,000	260,300	1,370,000	0	0	5,286,000	0
2041	Medford Island	5.9	160,000	112,100	0	0	42,000	0	0
150	Merritt Island	18.1	230,000	211,900	0	0	0	0	0
999	Netherlands	32.4	455,000	422,600	0	0	0	0	0
348	New Hope Tract	17.4	725,700	330,600	0	200,000	177,700	0	0
2024	Orwood/Palm Tract	13.9	1,422,000	264,100	120,000	135,000	887,000	2,000	0
551	Pearson District	14.1	505,000	267,900	0	0	223,000	0	0
2058	Pescadero District	2.5	130,000	47,500	5,000	20,000	55,000	0	0
1007	Pico Naglee	8.3	66,000	21,700	14,000	3,000	17,000	2,000	0
1667	Prospect Island	6.2	120,000	113,800	0	0	0	0	0
2090	Quimby Island	7	322,500	133,000	12,500	50,000	120,000	0	0
2037	Rindge Tract	15.8	371,500	300,200	1,500	0	54,000	0	0
684	Roberts Island, Lower	14.6	602,000	185,400	100,000	45,000	255,000	2,000	0
524	Roberts Island, Middle	9.7	261,000	184,300	4,500	0	62,500	0	0
544	Roberts Island, Upper	15	446,000	285,000	5,000	0	141,000	0	0
403	Rough & Ready Island	6.8	243,000	129,200	0	0	107,000	0	0
501	Ryer Island	20.6	412,500	244,400	22,500	125,000	0	0	0
2074	Sargent-Barnhart	3.5	6,214,355	66,500	240,000	0	110,000	5,334,355	460,000
341	Sherman Island	19.5	874,200	370,500	16,500	0	467,700	0	0
2115	Shima tract	6.6	119,000	95,900	16,500	0	0	0	0
1614	Smith Tract	2.8	541,500	53,200	17,500	0	262,500	205,500	0
2089	Stark Tract	3.5	244,000	66,500	2,000	0	172,000	0	0
38	Staten Island	24.6	990,000	467,400	0	0	498,000	0	0
349	Sutter Island	12.5	195,000	182,500	0	0	0	0	0
548	Terminus Tract	16.1	452,000	133,900	50,000	37,500	212,500	2,000	0
1601	Twitchell Island	11.9	495,500	226,100	15,500	0	242,000	0	0
563	Tyler Island	22.9	910,000	435,100	15,000	200,000	237,000	0	0
1	Union Island, East	14	575,000	266,000	25,000	0	270,000	0	0
2	Union Island, West	16.2	533,000	307,800	10,000	0	199,000	0	0
1607	Van Sickle Island	3.7	261,500	70,300	10,000	0	177,500	0	0
2065	Veale Tract	5.1	131,000	96,900	0	0	29,000	0	0
2023	Venice Island	12.3	417,000	233,700	15,000	100,000	56,000	0	0
2040	Victoria Island	15.1	676,500	286,900	10,000	0	364,500	0	0
554	Walnut Grove	3.4	170,000	64,600	37,000	0	65,000	0	0
2026	Webb tract	12.9	381,000	245,100	5,000	0	118,000	0	0
828	Weber Tract	1.7	270,500	32,300	33,000	0	137,000	66,500	0
2122	Winter Island	4.8	310,500	91,200	0	140,000	74,500	0	0
2072	Woodward Island	8.8	617,000	141,200	65,000	60,000	340,000	2,000	0
2119	Wright-Elmwood Tract	7.1	595,500	134,900	30,000	0	423,500	0	0
2068	Yolano	8.7	201,000	165,300	1,000	0	26,000	0	0
	<b>Total 71 Districts</b>	<b>777.9</b>	<b>52,320,955</b>	<b>13,548,100</b>	<b>3,179,500</b>	<b>3,359,000</b>	<b>15,212,400</b>	<b>15,784,055</b>	<b>460,000</b>

**Table 2  
2015-16 DELTA LEVEE MAINTENANCE SUBVENTIONS PROGRAM  
FUNDING PLAN**

RD NO	Name	Application Amount \$ (1)	Levee Length Miles (2)	Deductible	Eligible Costs \$ (4)	Maximum	Estimated	Advance 75 % of (6) \$ (7)
				\$1,000 Per Mile \$ (3)		Reimbursement 75 % of (4) \$ (5)	Available Reimbursement \$ (6)	
2126	Atlas Tract	862,500	2.3	(2,300)	860,200	645,150	35,667	26,750
2028	Bacon Island	396,000	14.4	(14,400)	381,600	286,200	208,092	156,069
BIMID	Bethel Island MID	1,280,000	11.5	(11,500)	1,268,500	951,375	159,584	119,688
2042	Bishop Tract	1,912,500	7.8	(7,800)	1,904,700	1,428,525	112,596	84,447
404	Boggs Tract	139,500	0.7	(700)	138,800	104,100	12,578	9,434
756	Bouldin Island	731,000	18.0	(18,000)	713,000	534,750	259,392	194,544
2033	Brack Tract	346,000	10.8	(10,800)	335,200	251,400	153,900	115,425
2059	Bradford Island	218,000	7.4	(7,400)	210,600	157,950	109,510	82,132
BALMD	Brannan-Andrus LMD	1,849,500	29.4	(29,400)	1,820,100	1,365,075	491,246	368,434
800	Byron Tract	1,854,500	9.7	(9,700)	1,844,800	1,383,600	144,009	108,007
2098	Cache-Haas Slough	162,000	11.0	(11,000)	151,000	113,250	112,392	84,294
CLD	Collinsville Levee District	175,000	1.0	(1,000)	174,000	130,500	19,455	14,591
2117	Coney Island	139,500	5.4	(5,400)	134,100	100,575	58,724	44,043
2111	Deadhorse Island	240,000	2.6	(2,600)	237,400	178,050	42,255	31,691
2137	Dutch Slough	607,700	3.8	(3,800)	603,900	452,925	56,463	42,347
536	Egbert Tract	207,000	10.6	(10,600)	196,400	147,300	147,128	110,346
2029	Empire Tract	276,000	10.5	(10,500)	265,500	199,125	150,203	112,652
773	Fabian Tract	554,500	18.8	(18,800)	535,700	401,775	231,137	173,353
2113	Fay Island	248,000	1.6	(1,600)	246,400	184,800	32,343	24,257
3	Grand Island	1,455,000	28.8	(28,800)	1,426,200	1,069,650	416,184	312,138
2060	Hasting Tract	516,000	16.0	(16,000)	500,000	375,000	228,000	171,000
2025	Holland Tract	436,000	11.0	(11,000)	425,000	318,750	159,642	119,733
799	Hotchkiss Tract	440,000	8.9	(8,900)	431,100	323,325	126,825	95,119
830	Jersey Island	1,288,000	15.5	(15,500)	1,272,500	954,375	307,630	230,722
2038	Jones Island, Lower	432,000	9.0	(9,000)	423,000	317,250	152,020	114,015
2039	Jones Island, Upper	992,000	9.3	(9,300)	982,700	737,025	184,578	138,434
2044	King Island	201,000	9.1	(9,100)	191,900	143,925	130,253	97,690
1608	Lincoln Village West	215,000	3.6	(3,600)	211,400	158,550	58,530	43,898
307	Lisbon	303,500	6.6	(6,600)	296,900	222,675	125,860	94,395
2027	Mandeville Island	4,020,000	14.3	(14,300)	4,005,700	3,004,275	325,233	243,925
2110	McCormack-Wm. Tract	246,000	8.8	(8,800)	237,200	177,900	125,400	94,050
2030	McDonald Island	6,930,000	13.7	(13,700)	6,916,300	5,187,225	987,590	740,692
2041	Medford Island	160,000	5.9	(5,900)	154,100	115,575	84,075	63,056
150	Merritt Island	230,000	18.1	(18,100)	211,900	158,925	158,925	119,194
999	Netherlands	455,000	32.4	(32,400)	422,600	316,950	316,950	237,712
348	New Hope Tract	725,700	17.4	(17,400)	708,300	531,225	247,950	185,962
2024	Orwood/Palm Tract	1,422,000	13.9	(13,900)	1,408,100	1,056,075	267,479	200,609
551	Pearson District	505,000	14.1	(14,100)	490,900	368,175	200,925	150,694
2058	Pescadero District	130,000	2.5	(2,500)	127,500	95,625	38,517	28,888
1007	Pico Naglee	66,000	8.3	(8,300)	57,700	43,275	24,372	18,279
1667	Prospect Island	120,000	6.2	(6,200)	113,800	85,350	85,350	64,012
2090	Quimby Island	322,500	7.0	(7,000)	315,500	236,625	106,980	80,235
2037	Rindge Tract	371,500	15.8	(15,800)	355,700	266,775	226,018	169,514
684	Roberts Island, Lower	602,000	14.6	(14,600)	587,400	440,550	196,887	147,665
524	Roberts Island, Middle	261,000	9.7	(9,700)	251,300	188,475	140,828	105,621
544	Roberts Island, Upper	446,000	15.0	(15,000)	431,000	323,250	216,642	162,482
403	Rough & Ready Island	243,000	6.8	(6,800)	236,200	177,150	96,900	72,675
501	Ryer Island	412,500	20.6	(20,600)	391,900	293,925	196,313	147,235
2074	Sargent-Barnhart	6,214,355	3.5	(3,500)	6,210,855	4,658,141	188,684	141,513
341	Sherman Island	874,200	19.5	(19,500)	854,700	641,025	287,418	215,564
2115	Shima tract	119,000	6.6	(6,600)	112,400	84,300	81,468	61,101
1614	Smith Tract	541,500	2.8	(2,800)	538,700	404,025	50,021	37,516
2089	Stark Tract	244,000	3.5	(3,500)	240,500	180,375	51,032	38,274
38	Staten Island	990,000	24.6	(24,600)	965,400	724,050	350,550	262,912
349	Sutter Island	195,000	12.5	(12,500)	182,500	136,875	136,875	102,656
548	Terminous Tract	452,000	16.1	(16,100)	435,900	326,925	129,343	97,007
1601	Twitchell Island	495,500	11.9	(11,900)	483,600	362,700	178,540	133,905
563	Tyler Island	910,000	22.9	(22,900)	887,100	665,325	335,001	251,251
1	Union Island, East	575,000	14.0	(14,000)	561,000	420,750	213,959	160,469
2	Union Island, West	533,000	16.2	(16,200)	516,800	387,600	236,634	177,476
1607	Van Sickle Island	261,500	3.7	(3,700)	257,800	193,350	58,509	43,882
2065	Veale Tract	131,000	5.1	(5,100)	125,900	94,425	72,675	54,506
2023	Venice Island	417,000	12.3	(12,300)	404,700	303,525	183,951	137,963
2040	Victoria Island	676,500	15.1	(15,100)	661,400	496,050	220,959	165,719
554	Walnut Grove	170,000	3.4	(3,400)	166,600	124,950	69,850	52,388
2026	Webb tract	381,000	12.9	(12,900)	368,100	276,075	186,717	140,038
828	Weber Tract	270,500	1.7	(1,700)	268,800	201,600	43,311	32,483
2122	Winter Island	310,500	4.8	(4,800)	305,700	229,275	68,400	51,300
2072	Woodward Island	617,000	8.8	(8,800)	608,200	456,150	143,494	107,620
2119	Wright-Elmwood Tract	595,500	7.1	(7,100)	588,400	441,300	118,526	88,894
2068	Yolano	201,000	8.7	(8,700)	192,300	144,225	124,553	93,415
<b>Total 71 Districts</b>		<b>52,320,955</b>	<b>777.9</b>	<b>(777,900)</b>	<b>51,543,055</b>	<b>38,657,291</b>	<b>12,000,000</b>	<b>9,000,000</b>

**Table 3**  
**2015-16 DELTA LEVEE MAINTENANCE SUBVENTIONS PROGRAM**  
**ESTIMATED REIMBURSEMENT SUMMARY**

Levee Costs Work Categories	Eligible Costs	Available Reimbursement Amount	Reimbursement Rate
Maintenance Deductible	\$777,900		
Net Maintenance Costs	\$13,548,100	\$10,161,075	75.0%
Fish and Wildlife Costs	3,179,500	\$1,838,925	57.8%
HMP Costs	3,359,000	\$0	0.0%
Bulletin 192-82	\$15,212,400	\$0	0.0%
<b>Priority 1 Total</b>	<b>\$21,750,900</b>	<b>\$1,838,925</b>	
<b>Priority 2</b>	<b>\$15,784,055</b>	<b>\$0</b>	<b>0.0%</b>
<b>Priority 3</b>	<b>\$460,000</b>	<b>\$0</b>	<b>0.0%</b>
<b>Total</b>	<b>\$52,320,955</b>	<b>\$12,000,000</b>	

**Note: If the Delta Levee Maintenance Subventions Program were fully funded, the maximum reimbursement rate for each work category would be 75% of eligible cost.**