

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 24, 2014

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 2011 *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 \$8 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	Final Claims due November 1, 2014		
2014-2015	12 million (Proposed)	Final Claims due November 1, 2015		

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:

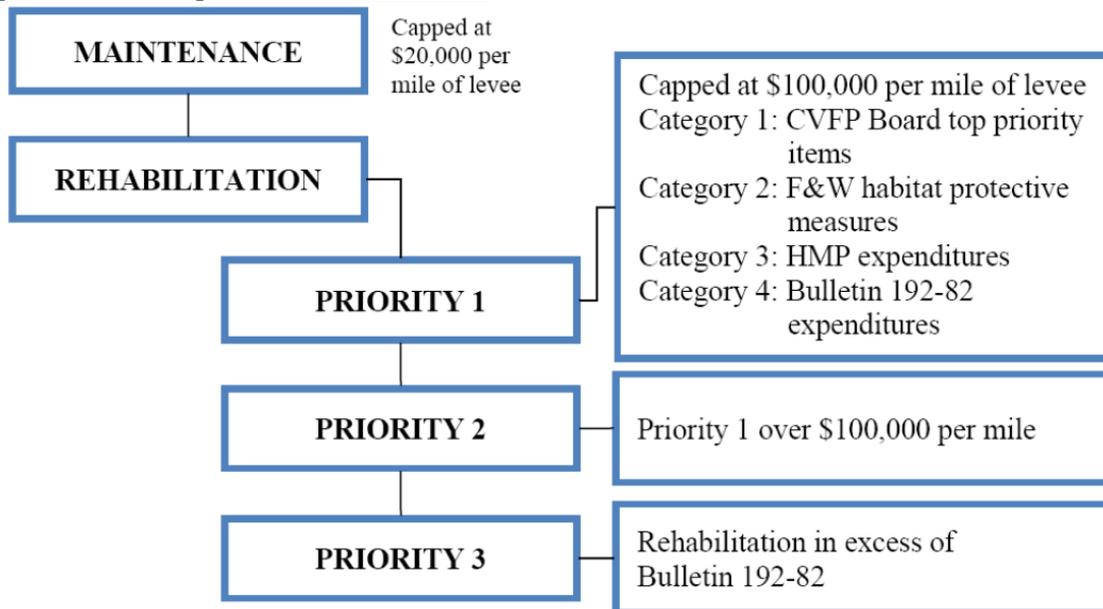
The allocated funding for FY 2013-2014 is \$12 million. The Board executed 65 work agreements with local levee maintaining agencies for the work completed between July 1, 2012 and June 30, 2013. The deadline to submit final claims is November 1, 2013.

Fiscal Year 2014-2015:

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 69 applications totaling approximately \$50 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 2013-2014 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
2014-15 DELTA LEVEE MAINTENANCE SUBVENTIONS PROGRAM
APPLICATION AMOUNTS BY PRIORITY**

RD NO	District Name	Levee Length Miles	Application Amount \$	Net Allowable Maintenance \$	Levee Rehabilitation				
					Priority One			Priority 2 \$	Priority 3
					Category 2 Fish & Wild. \$	Category 3 HMP \$	Category 4 Eligible Bull.192-82 \$		
2126	Atlas Tract	2.3	612,500	43,700	5,000	0	225,000	336,500	0
2028	Bacon Island	14.4	396,000	273,600	5,000	0	3,000	0	100,000
BIMID	Bethel Island MID	11.5	1,280,000	187,500	31,000	0	0	0	1,050,000
2042	Bishop Tract	7.8	1,712,500	148,200	2,500	0	777,500	726,500	50,000
404	Boggs Tract	0.7	139,500	13,300	4,500	0	65,500	55,500	0
756	Bouldin Island	18	631,000	342,000	5,000	0	16,000	0	250,000
2033	Brack Tract	10.8	876,000	205,200	0	0	80,000	0	580,000
2059	Bradford Island	7.4	87,000	50,600	9,000	0	0	0	20,000
BALMD	Brannan-Andrus LMD	29.4	2,002,069	558,600	145,000	0	1,019,069	0	250,000
800	Byron Tract	9.7	1,834,500	184,300	10,000	0	960,000	370,500	300,000
2098	Cache-Haas Slough	11	165,000	149,000	5,000	0	0	0	0
Collinsville	Collinsville Levee District	1	100,000	19,000	0	0	80,000	0	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	0	79,000	0	100,000
2137	Dutch Slough	3.8	607,700	72,200	0	0	100,500	0	431,200
536	Egbert Tract	10.6	207,000	195,400	1,000	0	0	0	0
2029	Empire Tract	10.5	996,000	199,500	0	0	66,000	0	720,000
773	Fabian Tract	18.8	554,500	299,700	11,000	0	0	0	225,000
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	111,000	0	100,000
799	Hotchkiss Tract	8.9	189,000	145,100	0	0	0	0	35,000
830	Jersey Island	15.5	1,261,000	294,500	418,000	415,000	118,000	0	0
2038	Jones Island, Lower	9	400,000	87,500	58,500	0	0	0	245,000
2039	Jones Island, Upper	9.3	900,000	170,700	90,000	0	0	0	630,000
2044	King Island	9.1	796,000	172,900	0	0	19,000	0	595,000
1608	Lincoln Village West	3.6	250,000	68,400	0	0	93,000	0	85,000
307	Lisbon	6.6	303,500	125,400	55,000	0	116,500	0	0
2027	Mandeville Island	14.3	1,325,000	271,700	15,000	0	524,000	0	500,000
2110	McCormack-Wm. Tract	8.8	246,000	167,200	1,000	0	69,000	0	0
2030	McDonald Island	13.7	6,640,000	260,300	1,370,000	0	0	4,996,000	0
2041	Medford Island	5.9	160,000	112,100	0	0	42,000	0	0
150	Merritt Island	18.1	630,000	343,900	0	0	268,000	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	10,000	200,000	167,700	0	0
2024	Orwood/Palm Tract	13.9	1,600,000	264,100	0	0	122,000	0	1,200,000
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	0	55,000	0	20,000
1007	Pico Naglee	8.3	60,000	14,600	10,200	0	0	0	26,900
2090	Quimby Island	7	322,500	133,000	12,500	50,000	120,000	0	0
2037	Rindge Tract	15.8	696,500	300,200	0	0	55,500	0	325,000
684	Roberts Island, Lower	16	400,000	64,000	40,000	0	0	0	280,000
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	220,000	129,200	12,500	0	71,500	0	0
501	Ryer Island	20.6	412,500	244,400	22,500	125,000	0	0	0
2074	Sargent-Barnhart	3.5	5,768,105	66,500	350,000	0	0	4,848,105	500,000
341	Sherman Island	19.5	860,200	370,500	16,500	0	453,700	0	0
2115	Shima tract	6.6	119,000	95,900	16,500	0	0	0	0
1614	Smith Tract	2.8	526,500	53,200	17,500	0	262,500	15,500	175,000
2089	Stark Tract	3.5	219,000	66,500	2,000	0	147,000	0	0
38	Staten Island	24.6	940,000	467,400	15,000	0	433,000	0	0
548	Terminous Tract	16.1	400,000	127,400	19,000	0	0	0	237,500
1601	Twitchell Island	11.9	428,000	226,100	15,500	35,000	139,500	0	0
563	Tyler Island	22.9	805,000	337,100	15,000	200,000	230,000	0	0
1	Union Island, East	14	515,000	266,000	25,000	0	210,000	0	0
2	Union Island, West	16.2	483,000	307,800	10,000	0	149,000	0	0
1607	Van Sickle Island	3.7	261,500	70,300	0	0	187,500	0	0
2065	Veale Tract	5.1	533,000	96,900	0	0	41,000	0	390,000
2023	Venice Island	12.3	417,000	233,700	15,000	100,000	56,000	0	0
2040	Victoria Island	15.1	611,500	286,900	10,000	0	299,500	0	0
554	Walnut Grove	3.4	110,000	55,600	6,000	0	0	0	45,000
2026	Webb tract	12.9	381,000	245,100	5,000	0	18,000	0	100,000
828	Weber Tract	1.7	270,500	32,300	33,000	0	137,000	66,500	0
2122	Winter Island	4.8	680,500	91,200	0	480,000	0	104,500	0
2072	Woodward Island	8.8	600,000	137,500	87,900	0	0	0	365,800
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	0	0	27,000	0	0
	Total 69 Districts	760.6	50,295,774	12,998,600	3,096,600	1,705,000	10,227,969	11,575,605	9,931,400

**Table 2
2014-15 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)	Reimbursement Available \$ (6)	
2126	Atlas Tract	612,500	2.3	(2,300)	610,200	457,650	36,410	27,308
2028	Bacon Island	396,000	14.4	(14,400)	381,600	286,200	208,835	156,626
BIMID	Bethel Island MID	1,280,000	11.5	(11,500)	1,268,500	951,375	163,160	122,370
2042	Bishop Tract	1,712,500	7.8	(7,800)	1,704,700	1,278,525	112,967	84,725
404	Boggs Tract	139,500	0.7	(700)	138,800	104,100	13,246	9,934
756	Bouldin Island	631,000	18.0	(18,000)	613,000	459,750	260,135	195,101
2033	Brack Tract	876,000	10.8	(10,800)	865,200	648,900	153,900	115,425
2059	Bradford Island	87,000	7.4	(7,400)	79,600	59,700	44,492	33,369
BALMD	Brannan-Andrus LMD	2,002,069	29.4	(29,400)	1,972,669	1,479,502	524,357	393,268
800	Byron Tract	1,834,500	9.7	(9,700)	1,824,800	1,368,600	145,494	109,120
2098	Cache-Haas Slough	165,000	11.0	(11,000)	154,000	115,500	115,385	86,539
Collinsv	Collinsville Levee District	100,000	1.0	(1,000)	99,000	74,250	14,250	10,688
2117	Coney Island	139,500	5.4	(5,400)	134,100	100,575	59,244	44,433
2111	Deadhorse Island	240,000	2.6	(2,600)	237,400	178,050	43,592	32,694
2137	Dutch Slough	607,700	3.8	(3,800)	603,900	452,925	54,150	40,612
536	Egbert Tract	207,000	10.6	(10,600)	196,400	147,300	147,277	110,458
2029	Empire Tract	996,000	10.5	(10,500)	985,500	739,125	149,625	112,219
773	Fabian Tract	554,500	18.8	(18,800)	535,700	401,775	232,771	174,578
2113	Fay Island	248,000	1.6	(1,600)	246,400	184,800	34,795	26,096
3	Grand Island	1,455,000	28.8	(28,800)	1,426,200	1,069,650	417,669	313,252
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	160,385	120,289
799	Hotchkiss Tract	189,000	8.9	(8,900)	180,100	135,075	108,825	81,619
830	Jersey Island	1,261,000	15.5	(15,500)	1,245,500	934,125	524,737	393,553
2038	Jones Island, Lower	400,000	9.0	(9,000)	391,000	293,250	108,151	81,113
2039	Jones Island, Upper	900,000	9.3	(9,300)	890,700	668,025	193,450	145,089
2044	King Island	796,000	9.1	(9,100)	786,900	590,175	129,675	97,256
1608	Lincoln Village West	250,000	3.6	(3,600)	246,400	184,800	51,300	38,475
307	Lisbon	303,500	6.6	(6,600)	296,900	222,675	134,032	100,524
2027	Mandeville Island	1,325,000	14.3	(14,300)	1,310,700	983,025	214,679	161,009
2110	McCormack-Wm. Tract	246,000	8.8	(8,800)	237,200	177,900	126,127	94,595
2030	McDonald Island	6,640,000	13.7	(13,700)	6,626,300	4,969,725	1,191,136	893,352
2041	Medford Island	160,000	5.9	(5,900)	154,100	115,575	84,075	63,056
150	Merritt Island	630,000	18.1	(18,100)	611,900	458,925	257,925	193,444
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	255,219	191,414
2024	Orwood/Palm Tract	1,600,000	13.9	(13,900)	1,586,100	1,189,575	198,075	148,557
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	39,260	29,445
1007	Pico Naglee	60,000	8.3	(8,300)	51,700	38,775	18,365	13,774
2090	Quimby Island	322,500	7.0	(7,000)	315,500	236,625	108,837	81,628
2037	Rindge Tract	696,500	15.8	(15,800)	680,700	510,525	225,150	168,862
684	Roberts Island, Lower	400,000	16.0	(16,000)	384,000	288,000	77,078	57,808
524	Roberts Island, Middle	261,000	9.7	(9,700)	251,300	188,475	141,496	106,122
544	Roberts Island, Upper	446,000	15.0	(15,000)	431,000	323,250	217,385	163,039
403	Rough & Ready Island	220,000	6.8	(6,800)	213,200	159,900	105,987	79,490
501	Ryer Island	412,500	20.6	(20,600)	391,900	293,925	199,656	149,742
2074	Sargent-Barnhart	5,768,105	3.5	(3,500)	5,764,605	4,323,454	304,305	228,229
341	Sherman Island	860,200	19.5	(19,500)	840,700	630,525	289,870	217,402
2115	Shima tract	119,000	6.6	(6,600)	112,400	84,300	83,920	62,940
1614	Smith Tract	526,500	2.8	(2,800)	523,700	392,775	52,621	39,466
2089	Stark Tract	219,000	3.5	(3,500)	215,500	161,625	51,329	38,497
38	Staten Island	940,000	24.6	(24,600)	915,400	686,550	361,454	271,090
548	Terminus Tract	400,000	16.1	(16,100)	383,900	287,925	109,362	82,022
1601	Twitchell Island	428,000	11.9	(11,900)	416,100	312,075	180,843	135,632
563	Tyler Island	805,000	22.9	(22,900)	782,100	586,575	263,729	197,797
1	Union Island, East	515,000	14.0	(14,000)	501,000	375,750	217,674	163,256
2	Union Island, West	483,000	16.2	(16,200)	466,800	350,100	238,119	178,589
1607	Van Sickle Island	261,500	3.7	(3,700)	257,800	193,350	52,725	39,544
2065	Veale Tract	533,000	5.1	(5,100)	527,900	395,925	72,675	54,506
2023	Venice Island	417,000	12.3	(12,300)	404,700	303,525	186,179	139,634
2040	Victoria Island	611,500	15.1	(15,100)	596,400	447,300	222,444	166,834
554	Walnut Grove	110,000	3.4	(3,400)	106,600	79,950	46,062	34,546
2026	Webb tract	381,000	12.9	(12,900)	368,100	276,075	187,460	140,595
828	Weber Tract	270,500	1.7	(1,700)	268,800	201,600	48,214	36,160
2122	Winter Island	680,500	4.8	(4,800)	675,700	506,775	68,400	51,300
2072	Woodward Island	600,000	8.8	(8,800)	591,200	443,400	167,023	125,267
2119	Wright-Elmwood Tract	595,500	7.1	(7,100)	588,400	441,300	122,983	92,237
2068	Yolano	201,000	8.7	(8,700)	192,300	144,225	123,975	92,981
Total 69 Districts		50,295,774	760.6	(760,600)	49,535,174	37,151,381	12,000,000	9,000,000

Table 3
2014-15 DELTA LEVEE MAINTENANCE SUBVENTIONS PROGRAM
ESTIMATED REIMBURSEMENT SUMMARY

Levee Costs Work Categories	Eligible Costs	Available Reimbursement Amount	Reimbursement Rate
Maintenance Deductible	\$760,600		
Net Maintenance Costs	\$12,998,600	\$9,748,950	75.0%
Fish and Wildlife Costs	3,096,600	\$2,251,050	72.7%
HMP Costs	1,705,000	\$0	0.0%
Bulletin 192-82	\$10,227,969	\$0	0.0%
Priority 1 Total	\$15,029,569	\$2,251,050	
Priority 2	\$11,575,605	\$0	0.0%
Priority 3	\$9,931,400	\$0	0.0%
Total	\$50,295,774	\$12,000,000	

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.