

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0501		Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0501 Ryer Island		U	20.48				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	5.12	1.80	12.32	60.16%			
Trim / Thin Trees	1.31	0.32	2.59	12.65%			
Encroachments	0.01		0.01	0.05%	0.10	0.11	
Animal Control	3.30		3.30	16.11%			
Erosion / Bank Caving	0.06		0.06	0.29%			
Cracking	1.30	0.34	2.66	12.99%			
Crown Surface / Depressions / Rutting	0.18		0.18	0.88%			
USACE Erosion Survey	0.11	0.01	0.15	0.73%			
<i>LMA Totals:</i>	11.39	2.47	21.27	103.86%	0.10	0.11	

Unit No. 01 Steamboat Slough		Overall Unit Rating	Total Unit Miles				
		U	6.76				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	3.07	1.07	7.35	108.73%			
Trim / Thin Trees	1.09	0.02	1.17	17.31%			
Encroachments	0.01		0.01	0.15%	0.05		
Animal Control	0.51		0.51	7.54%			
Erosion / Bank Caving	0.06		0.06	0.89%			
USACE Erosion Survey	0.07	0.01	0.11	1.63%			
<i>Unit Totals:</i>	4.81	1.10	9.21	136.24%	0.05	0.00	

Unit No. 02 Cache Slough		Overall Unit Rating	Total Unit Miles				
		U	3.57				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	0.84		0.84	23.53%			
Animal Control	2.79		2.79	78.15%			
Cracking	0.99	0.33	2.31	64.71%			
Crown Surface / Depressions / Rutting	0.18		0.18	5.04%			
USACE Erosion Survey	0.04		0.04	1.12%			
<i>Unit Totals:</i>	4.84	0.33	6.16	172.55%	0.00	0.00	

Unit No. 03 Miner Slough		Overall Unit Rating	Total Unit Miles				
		U	7.82				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	1.19	0.05	1.39	17.77%			
Trim / Thin Trees	0.02	0.27	1.10	14.07%			
Encroachments					0.05		
Cracking	0.31	0.01	0.35	4.48%			
<i>Unit Totals:</i>	1.52	0.33	2.84	36.32%	0.05	0.00	

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 Sutter Slough	Overall Unit Rating	Total Unit Miles				
	U	2.33				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.02	0.68	2.74	117.60%		
Trim / Thin Trees	0.20	0.03	0.32	13.73%		
Encroachments						0.11
<i>Unit Totals:</i>	0.22	0.71	3.06	131.33%	0.00	0.11

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2009 Levee Inspection Results**

Reclamation District No. 0501 Ryer Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles
Unit No. 01 Steamboat Slough	Right	6.76

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2009		11/24/2009	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	11/24/2009 11/24/2009	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.05	0.09	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.253767 ° -121.602038 °	38.253207 ° -121.602472 °	965
2	0.05	0.06	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.253710 ° -121.602098 °	38.253608 ° -121.602200 °	962
3	0.08	0.67	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.253298 ° -121.602420 °	38.245075 ° -121.602948 °	966
4	0.13	0.37	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.252658 ° -121.602835 °	38.249205 ° -121.603128 °	67
5	0.51	0.51	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.247310 ° 121.602876 °	38.247310 ° -121.602876 °	963
6	0.54	0.54	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.246707 ° -121.602925 °	38.246707 ° -121.602925 °	69
7	0.66	0.70	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.245010 ° -121.602955 °	38.244523 ° -121.602940 °	18
8	0.67	0.67	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.244962 ° -121.602950 °	38.244962 ° -121.602950 °	967
9	0.69	1.20	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.244667 ° -121.602967 °	38.237470 ° -121.604418 °	71
10	0.73	1.17	Earthen Levee	Vegetation	LS	U	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: I listed this growth in my last inspection and has asked District to remove, it hasnot ben removed.	38.244177 ° -121.603013 °	38.237905 ° -121.604462 °	968
11	1.00	1.17	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.240333 ° -121.603863 °	38.237953 ° -121.604482 °	969
12	1.31	2.16	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.235877 ° -121.604325 °	38.223788 ° -121.603603 °	970
13	1.93	2.02	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.227095 ° -121.604180 °	38.225842 ° -121.604002 °	971
14	2.04	2.10	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.225500 ° -121.603887 °	38.224738 ° -121.603750 °	26
15	2.24	2.29	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.222758 ° -121.603348 °	38.222030 ° -121.603303 °	27
16	2.36	2.37	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.221045 ° -121.603584 °	38.220902 ° -121.603631 °	964

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected
--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	11/24/2009 11/24/2009	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	2.44	2.69	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.219980 ° -121.604178 °	38.216808 ° -121.606577 °	972
18	2.55	2.60	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.218470 ° -121.605105 °	38.217875 ° -121.605532 °	32
19	2.65	2.65	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.217287 ° -121.606083 °	38.217287 ° -121.606083 °	33
20	2.67	2.73	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.217030 ° -121.606303 °	38.216408 ° -121.607057 °	34
21	2.84	3.31	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.215112 ° -121.608273 °	38.208925 ° -121.611162 °	36
22	2.92	2.97	Earthen Levee	Encroachments	LS	PO	Landscaping	38.214235 ° -121.608993 °	38.213547 ° -121.609527 °	37
23	3.05	3.12	Supplemental	USACE Erosion Survey	LS	M	Inspector Comments: none	38.212568 ° -121.609707 °	38.211581 ° -121.609834 °	961
24	3.27	3.33	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.209548 ° -121.610882 °	38.208632 ° -121.611275 °	41
25	3.34	3.36	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level. Inspector Comments: The District need to do a better job in controlling the wild growth of trees on the levee section.	38.208468 ° -121.611348 °	38.208292 ° -121.611437 °	43
26	3.49	3.61	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.206545 ° -121.612178 °	38.204740 ° -121.612875 °	973
27	3.60	3.66	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.204983 ° -121.612868 °	38.204227 ° -121.613045 °	47
28	3.74	3.76	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.202997 ° -121.613447 °	38.202730 ° -121.613520 °	49
29	3.76	3.80	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.202820 ° -121.613498 °	38.202197 ° -121.613732 °	50
30	3.76	3.80	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.202812 ° -121.613495 °	38.202213 ° -121.613733 °	51
31	3.76	4.16	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.202818 ° -121.613545 °	38.197492 ° -121.616342 °	79
32	3.77	4.14	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.202657 ° -121.613553 °	38.197778 ° -121.616080 °	974
33	3.80	4.16	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	38.202202 ° -121.613732 °	38.197475 ° -121.616317 °	52

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected
--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	11/24/2009 11/24/2009	Herman Phillips

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
34	3.87	4.14	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	38.201267 ° -121.614100 °	38.197780 ° -121.616088 °	975
35	4.09	4.14	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.198390 ° -121.615630 °	38.197778 ° -121.616083 °	976
36	4.81	4.96	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.194722 ° -121.626912 °	38.194863 ° -121.629583 °	56
37	4.98	4.99	Earthen Levee	Encroachments	LS	M	Equipment	38.195057 ° -121.629965 °	38.195068 ° -121.630173 °	977
38	5.06	5.86	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.195027 ° -121.631408 °	38.189615 ° -121.644050 °	59
39	5.42	5.46	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.192878 ° -121.637332 °	38.192588 ° -121.637802 °	978
40	6.16	6.16	Supplemental	USACE Erosion Survey	LS	U	Inspector Comments: tree hazards	38.186210 ° 121.647540 °	38.186120 ° 121.647680 °	960
41	6.48	6.54	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.184792 ° -121.652962 °	38.184522 ° -121.654080 °	64

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected
--	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles
Unit No. 02 Cache Slough	Left	3.57

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2009		11/24/2009	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	11/24/2009 11/24/2009	Herman Phillips

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.10	2.89	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.228967 ° -121.672237 °	38.218500 ° -121.669783 °	17
2	0.31	1.15	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.188107 ° -121.658012 °	38.199775 ° -121.655375 °	14
3	0.77	0.93	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer. Inspector Comments: This District unit 2 and unit 3 has been known for cracks in crown roadway and both shoulders. CalTrans has plans for future repairs to the road way as per the District in unit 1. I mentioned the cracking to Daniel and showed him photos of the same.	38.194277 ° -121.655182 °	38.196728 ° -121.655322 °	907
4	0.98	1.16	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	38.197318 ° -121.655395 °	38.199902 ° -121.655320 °	4
5	1.13	1.17	Supplemental	USACE Erosion Survey	CR	M	Inspector Comments: slumping, beaver holes	38.200020 ° -121.655712 °	38.199531 ° -121.655836 °	906
6	1.23	1.31	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.200907 ° -121.655187 °	38.201998 ° -121.655053 °	908
7	1.30	1.40	Earthen Levee	Cracking	CR	U	Monitor and have inspected by geotechnical engineer.	38.201928 ° -121.655008 °	38.203362 ° -121.654865 °	6
8	1.48	1.71	Earthen Levee	Cracking	CR	U	Monitor and have inspected by geotechnical engineer.	38.204375 ° -121.655042 °	38.207620 ° -121.656207 °	7
9	1.83	2.12	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.209170 ° -121.655662 °	38.210392 ° -121.660483 °	10
10	3.07	3.53	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.220990 ° -121.671332 °	38.227270 ° -121.673082 °	909
11	3.47	3.50	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.226345 ° -121.672938 °	38.226887 ° -121.672983 °	13

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected</p> <p>C : Corrected</p>
---	--

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway		Bank	Unit Miles
Unit No. 03 Miner Slough		Left	7.82

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2009		11/24/2009	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	11/24/2009 11/24/2009	Herman Phillips

LM/R No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.61	0.62	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.234213 ° -121.665748 °	38.234290 ° -121.665657 °	5
2	0.82	0.84	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.237202 ° -121.665057 °	38.237363 ° -121.665043 °	6
3	1.57	1.57	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.246660 ° -121.688600 °	38.666000 ° -121.690000 °	43
4	1.74	1.75	Earthen Levee	Cracking	CR	U	Monitor and have inspected by geotechnical engineer. Inspector Comments: This area was discovered by the District and we were given a call to come out and inspect. Photos were taken and I mentioned this to Daniel, he has seen the photos/	38.247300 ° -121.658142 °	38.247377 ° -121.657997 °	10 Y
5	1.75	1.75	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.247295 ° -121.658033 °	38.247295 ° -121.658033 °	44
6	1.81	1.81	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.247820 ° -121.657192 °	38.247833 ° -121.657137 °	11
7	2.23	2.27	Earthen Levee	Trim / Thin Trees	WS	U	Thin trees to allow visibility of the ground and room to flood fight.	38.253727 ° -121.655487 °	38.254223 ° -121.655133 °	14
8	2.43	2.43	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.254485 ° -121.652110 °	38.254410 ° -121.652237 °	45
9	2.65	2.77	Earthen Levee	Trim / Thin Trees	WS	U	Thin trees to allow visibility of the ground and room to flood fight.	38.257278 ° -121.651417 °	38.259067 ° -121.651462 °	16
10	3.52	3.55	Earthen Levee	Trim / Thin Trees	WS	U	Thin trees to allow visibility of the ground and room to flood fight.	38.265523 ° -121.642537 °	38.265778 ° -121.642243 °	21
11	3.62	3.90	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.266655 ° -121.641495 °	38.270148 ° -121.641530 °	46
12	3.69	3.70	Earthen Levee	Trim / Thin Trees	LS	U	Thin trees to allow visibility of the ground and room to flood fight.	38.267485 ° -121.640667 °	38.267578 ° -121.640507 °	22
13	3.71	3.73	Earthen Levee	Encroachments	LS	PO	Buildings	38.267642 ° -121.640452 °	38.267907 ° -121.640327 °	23
14	3.73	3.80	Earthen Levee	Trim / Thin Trees	LS	U	Thin trees to allow visibility of the ground and room to flood fight.	38.267927 ° -121.640332 °	38.268932 ° -121.640597 °	24
15	4.06	4.16	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.272307 ° -121.641668 °	38.273723 ° -121.641085 °	47
16	4.24	4.30	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.274873 ° -121.640688 °	38.275230 ° -121.639948 °	48

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected
--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	11/24/2009 11/24/2009	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	4.72	4.89	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.279708 ° -121.639805 °	38.281523 ° -121.641635 °	49
18	4.74	4.89	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.279830 ° -121.640048 °	38.281532 ° -121.641668 °	50
19	5.57	5.75	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: District in process of burning both water side and land side of the remainder of this unit working their way to unit 4.	38.289092 ° -121.643378 °	38.289662 ° -121.640412 °	27
20	5.80	5.97	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.289623 ° -121.639523 °	38.290303 ° -121.636620 °	51
21	6.24	6.29	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	38.291548 ° -121.632075 °	38.291360 ° -121.631195 °	30
22	7.10	7.28	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.289652 ° -121.617083 °	38.288195 ° -121.614512 °	53
23	7.15	7.27	Earthen Levee	Cracking	CR	M	Monitor and have inspected by geotechnical engineer.	38.289428 ° -121.616178 °	38.288267 ° -121.614598 °	52
24	7.65	7.65	Earthen Levee	Encroachments	LS	PO	Stairways	38.286785 ° -121.608583 °	38.286785 ° -121.608583 °	40
25	7.67	7.69	Earthen Levee	Encroachments	LS	PO	Landscaping	38.286653 ° -121.608398 °	38.286342 ° -121.608183 °	33
26	7.76	7.82	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.285807 ° -121.607258 °	38.285502 ° -121.606112 °	34

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected</p> <p>C : Corrected</p>
---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	11/24/2009 11/24/2009	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	1.74
End Levee Mile	1.75
Location	Crown
Category	Earthen Levee
Item	Cracking
Cracks in crown roadway, the crown appears to be sinking in the middle	
phillips_20091208_20.jpg	



Levee Mile Report Line	4
Start Levee Mile	1.74
End Levee Mile	1.75
Location	Crown
Category	Earthen Levee
Item	Cracking
This probe is stuck in the crack along the shoulder land ward, its in the crown 3-4 foot no resistance.	
phillips_20091208_21.jpg	



Levee Mile Report Line	4
Start Levee Mile	1.74
End Levee Mile	1.75
Location	Crown
Category	Earthen Levee
Item	Cracking
Depression here has a difference in elevation 1-2-inches if nor more.	
phillips_20091208_22.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected	C : Corrected
--	--	--	---------------

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	11/24/2009 11/24/2009	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	1.74
End Levee Mile	1.75
Location	Crown
Category	Earthen Levee
Item	Cracking
Shown here with out the vehicle in view.	
phillips_20091208_23.jpg	



Levee Mile Report Line	4
Start Levee Mile	1.74
End Levee Mile	1.75
Location	Crown
Category	Earthen Levee
Item	Cracking
Another view within same area. The County has placed caution signs within damaged area to slow the traffic down.	
phillips_20091208_24.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected
--	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles
Unit No. 04 Sutter Slough	Right	2.33

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2009		11/24/2009	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	11/24/2009 11/24/2009	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.02	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.254025 ° -121.601752 °	38.254025 ° -121.601752 °	20
2	0.02	0.02	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	38.254025 ° -121.601752 °	38.254025 ° -121.601752 °	25
3	0.50	1.15	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	38.279532 ° -121.601325 °	38.270747 ° -121.604477 °	3
4	0.79	0.79	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.275540 ° -121.602223 °	38.275473 ° -121.602248 °	4
5	0.85	0.88	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	38.274717 ° -121.602690 °	38.274372 ° -121.602957 °	5
6	1.01	1.01	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.272733 ° -121.603940 °	38.272700 ° -121.603953 °	7
7	1.26	1.27	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.269173 ° -121.604218 °	38.269050 ° -121.604170 °	9
8	1.50	1.56	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.265997 ° -121.602758 °	38.265233 ° -121.602510 °	26
9	1.67	1.76	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.263565 ° -121.602013 °	38.262287 ° -121.601722 °	12
10	1.84	1.87	Earthen Levee	Trim / Thin Trees	LS	U	Thin trees to allow visibility of the ground and room to flood fight.	38.261142 ° -121.601542 °	38.260653 ° -121.601435 °	14
11	2.18	2.20	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.256275 ° -121.600933 °	38.255990 ° -121.601015 °	13
12	2.21	2.32	Earthen Levee	Encroachments	LS	CO	Landscaping	38.255877 ° -121.601057 °	38.254382 ° -121.601498 °	16

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected</p>	<p>C : Corrected</p>
---	---	---	----------------------