

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

**Reclamation District No. 2085**

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

\*\* 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  
Spring 2009 Levee Inspection Results  
Reclamation District No. 2085**

Waterway		Bank	Unit Miles
Unit No. 01 San Joaquin River		Left	5.20

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/14/2009 - 5/14/2009			
DWR Inspector	David Pesavento			
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 - Spring 2009**

**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/14/2009 05/14/2009	David Pesavento

LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.64	0.69	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.722037 ° -121.296227 °	37.721460 ° -121.295535 °		3
2	0.89	0.89	Earthen Levee	Erosion / Bank Caving	LS	C	Schedule repair of erosion site prior to the next inspection. Inspector Comments: people driving across levee causing damage	37.719427 ° -121.293178 °	37.719427 ° -121.293178 °		18
3	1.33	1.35	Earthen Levee	Trim / Thin Trees	WS	C	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.714177 ° -121.288923 °	37.714115 ° -121.288677 °		4
4	1.34	1.34	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.714145 ° -121.288755 °	37.714145 ° -121.288755 °	Y	25
5	1.35	1.35	Earthen Levee	Encroachments	LS	C	Material	37.714127 ° -121.288632 °	37.714127 ° -121.288632 °		19
6	1.59	1.59	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.712639 ° -121.284665 °	37.712639 ° -121.284665 °		26
7	2.45	2.45	Earthen Levee	Trim / Thin Trees	CR	M	Trim trees over roadway to at least 12 feet above ground level.	37.703743 ° -121.274552 °	37.703743 ° -121.274552 °		6
8	2.49	2.49	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	37.703144 ° -121.274716 °	37.703144 ° -121.274716 °	Y	27
9	2.50	2.52	Earthen Levee	Underseepage Relief Wells	LS	C	Inspector Comments: Toe drainage structure appears to be full of sediment.	° °	° °		24
10	2.56	2.56	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.702135 ° -121.275212 °	37.702135 ° -121.275212 °	Y	7
11	3.04	3.04	Earthen Levee	Encroachments	LS	M	Tree or limb	37.696289 ° -121.276870 °	37.696289 ° -121.276870 °	Y	28
12	3.76	3.76	Earthen Levee	Encroachments	LS	PO	Landscaping	37.686358 ° -121.276752 °	37.686358 ° -121.276752 °		29
13	3.78	3.78	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.686063 ° -121.276757 °	37.686063 ° -121.276757 °		10
14	3.84	3.84	Earthen Levee	Encroachments	LS	PO	Landscaping	37.685251 ° -121.276522 °	37.685251 ° -121.276522 °		30
15	3.87	3.92	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.684827 ° -121.276350 °	37.684050 ° -121.276008 °		31
16	4.12	4.17	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	37.682192 ° -121.273453 °	37.681970 ° -121.272615 °		20

<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></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>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/14/2009 05/14/2009	David Pesavento

LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
17	4.16	4.16	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.682019 ° -121.272723 °	37.682019 ° -121.272723 °		32
18	4.29	4.32	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.681765 ° -121.270375 °	37.681868 ° -121.269917 °		11
19	4.32	4.37	Earthen Levee	Encroachments	LS	PO	Landscaping	37.681863 ° -121.269856 °	37.681640 ° -121.269046 °		33
20	4.37	4.37	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.681606 ° -121.268942 °	37.681606 ° -121.268942 °		13
21	4.39	4.39	Earthen Levee	Encroachments	LS	M	Tree or limb	37.681536 ° -121.268668 °	37.681536 ° -121.268668 °	Y	12
22	4.44	4.44	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.681355 ° -121.267775 °	37.681355 ° -121.267775 °		34
23	4.46	4.46	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.681280 ° -121.267300 °	37.681280 ° -121.267300 °		14
24	4.50	5.00	Earthen Levee	Vegetation	LS	C	Control annual grass and weeds on the levee slopes and easements.	° °	° °		21
25	4.64	4.64	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.679995 ° -121.264968 °	37.679995 ° -121.264968 °		15
26	4.79	4.79	Earthen Levee	Encroachments	LS	PO	Landscaping	37.678316 ° -121.266536 °	37.678316 ° -121.266536 °		35
27	4.80	4.80	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.678377 ° -121.266747 °	37.678377 ° -121.266747 °		17
28	4.82	4.82	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.678183 ° -121.267181 °	37.678183 ° -121.267181 °		16
29	4.85	4.85	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.678025 ° -121.267691 °	37.678025 ° -121.267691 °		36
30	4.87	4.87	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.677946 ° -121.268061 °	37.677946 ° -121.268061 °		37
31	4.96	4.96	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.677520 ° -121.269489 °	37.677520 ° -121.269489 °		38
32	5.00	5.10	Earthen Levee	Encroachments	LS	C	Fences	° °	° °		22
33	5.03	5.12	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Owner has landscaped the LS levee with a sprinkler system and iceplant.	° °	37.675291 ° -121.269229 °		23

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/14/2009 05/14/2009	David Pesavento

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
34	5.04	5.04	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.676415 ° -121.269567 °	37.676415 ° -121.269567 °		39

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**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/14/2009 05/14/2009	David Pesavento

Levee Mile Report Line	4
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Remove/mow grass and vegetation within 20 feet of waterward shoulder of the crown.	



Levee Mile Report Line	8
Start Levee Mile	2.49
End Levee Mile	2.49
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Trim tree branches that are low at this location so allow for vehicular traffic.	



Levee Mile Report Line	10
Start Levee Mile	2.56
End Levee Mile	2.56
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Example photo of the maintenance of the trees along this unit. All trees should be trimmed and thinned to allow for visibility and access within 20 feet of waterward shoulder to 10 feet beyond the landward toe of the levee.	



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/14/2009 05/14/2009	David Pesavento

Levee Mile Report Line	11
Start Levee Mile	3.04
End Levee Mile	3.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Remove tree limb from within 10 feet of the toe of the levee to maintain access and to remove rodent attraction.	



Levee Mile Report Line	21
Start Levee Mile	4.39
End Levee Mile	4.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Remove fallen tree from within 10 feet of the landward toe of the levee.	



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**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet  
Spring 2009 Levee Inspection Results  
Reclamation District No. 2085**

Waterway	Bank	Unit Miles
Unit No. 02 San Joaquin River		0.70

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/14/2009 - 5/14/2009			
DWR Inspector	David Pesavento			
Accompanied By				

Check one:

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**X** \_\_\_\_\_  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	05/14/2009 05/14/2009	David Pesavento

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.15	0.15	Earthen Levee	Vegetation		A	Remove the wild growth other than native grasses from the levee slopes.	37.706212 °	37.706212 °	Y	1
								-121.273821 °	-121.273821 °		

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	05/14/2009 05/14/2009	David Pesavento

Levee Mile Report Line	1
Start Levee Mile	0.15
End Levee Mile	0.15
Location	
Category	Earthen Levee
Item	Vegetation
Example of good maintenance along this unit.	



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**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet  
Spring 2009 Levee Inspection Results  
Reclamation District No. 2085**

Waterway	Bank	Unit Miles
Unit No. 03 San Joaquin River		0.30

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/14/2009 - 5/14/2009			
DWR Inspector	David Pesavento			
Accompanied By				

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.30	05/14/2009 05/14/2009	David Pesavento

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	0.29	Earthen Levee	Vegetation	LS	C	Control annual grass and weeds on the levee slopes and easements.	°	°		1
2	0.28	0.28	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	37.683617 ° -121.261845 °	37.683617 ° -121.261845 °	Y	2

<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable      PO : Partially Obstructing      C : Corrected M : Minimally Acceptable      CO : Completely Obstructing U : Unacceptable      N : Not Inspected</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 2085**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.30	05/14/2009 05/14/2009	David Pesavento

Levee Mile Report Line	2
Start Levee Mile	0.28
End Levee Mile	0.28
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Example of good maintenance along this unit. While vegetation is present, it is low and thin enough that it does not obstruct visibility or prevent access to the levee for flood fighting.



**\* Location**

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