

**Flood Control Project Maintenance
Levee Inspections**

Fall 2008 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including Boat Survey Erosion

San Joaquin River Basin

RD2085		Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2085		U	6.20				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	0.79		0.79	12.74%			
Trim / Thin Trees	1.47		1.47	23.71%			
Encroachments	0.02		0.02	0.32%	0.10	0.15	
Erosion / Bank Caving	0.01		0.01	0.16%			
Crown Surface / Depressions / Rutting	0.05		0.05	0.81%			
Underseepage Relief Wells		0.02	0.08	1.29%			
<i>LMA Totals:</i>	2.34	0.02	2.42	39.03%	0.10	0.15	
Unit No. 01 San Joaquin River		Overall Unit Rating	Total Unit Miles				
		U	5.20				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	0.50		0.50	9.62%			
Trim / Thin Trees	1.47		1.47	28.27%			
Encroachments	0.02		0.02	0.39%	0.10	0.15	
Erosion / Bank Caving	0.01		0.01	0.19%			
Crown Surface / Depressions / Rutting	0.05		0.05	0.96%			
Underseepage Relief Wells		0.02	0.08	1.54%			
<i>Unit Totals:</i>	2.05	0.02	2.13	40.96%	0.10	0.15	
Unit No. 02 San Joaquin River		Overall Unit Rating	Total Unit Miles				
		A	0.70				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
No Items							
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00	
Unit No. 03 San Joaquin River		Overall Unit Rating	Total Unit Miles				
		U	0.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Vegetation	0.29		0.29	96.67%			
<i>Unit Totals:</i>	0.29	0.00	0.29	96.67%	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2008 Levee Inspection Results

Reclamation District No. 2085

	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 2008 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)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/7/2008		9/18/2008	
DWR Inspector	Bob Duffey		Hana Babbin	
Accompanied By				
Unit Maintenance Rating (Fall Only)			U	

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 2008

Reclamation District No. 2085

Waterway				Bank	Unit Miles	Inspection Date	Inspector				
Unit No. 01 San Joaquin River				Left	5.20	09/18/2008	Hana Babbins				
LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.62	0.62	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: people driving across levee causing damage	37.722250 ° -121.296532 °	37.722250 ° -121.296532 °	Y	18
2	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
3	1.33	1.35	Earthen Levee	Trim / Thin Trees	WS	M	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	1.35	1.35	Earthen Levee	Encroachments	LS	M	Material	37.714127 ° -121.288632 °	37.714127 ° -121.288632 °	Y	19
5	2.45	2.50	Earthen Levee	Trim / Thin Trees	CR	M	Trim trees over roadway to at least 12 feet above ground level.	37.703862 ° -121.274610 °	37.703058 ° -121.274782 °		6
6	2.50	2.52	Earthen Levee	Underseepage Relief Wells	LS	U	Inspector Comments: Toe drainage structure appears to be full of sediment.	° °	° °	Y	24
7	2.55	2.67	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.702322 ° -121.275113 °	37.700683 ° -121.276017 °		7
8	3.70	4.51	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.687148 ° -121.276798 °	37.681038 ° -121.266532 °		10
9	4.12	4.17	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	37.682192 ° -121.273453 °	37.681970 ° -121.272615 °	Y	20
10	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
11	4.39	4.39	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.681482 ° -121.268598 °	37.681482 ° -121.268598 °		13
12	4.39	4.39	Earthen Levee	Encroachments	LS	M	Tree or limb	37.681480 ° -121.268598 °	37.681480 ° -121.268598 °		12
13	4.46	4.47	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.681252 ° -121.267400 °	37.681203 ° -121.267157 °		14
14	4.50	5.00	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	° °	° °		21
15	4.64	4.64	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.680018 ° -121.264978 °	37.680018 ° -121.264978 °		15
16	4.79	5.14	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.678360 ° -121.266663 °	37.674902 ° -121.269332 °		16
17	4.80	4.80	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.678377 ° -121.266747 °	37.678377 ° -121.266747 °		17
18	5.00	5.10	Earthen Levee	Encroachments	LS	PO	Fences	° °	° °		22

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2085

Waterway			Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River			Left	5.20	09/18/2008	Hana Babbín

LMR Line	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
19	5.00	5.15	Earthen Levee	Encroachments	LS	CO	Landscaping Inspector Comments: Owner has landscaped the LS levee with a sprinkler system and iceplant.	°	°		23

<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>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2085

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Left	5.20	09/18/2008	Hana Babbins

Levee Mile Report Line	1
Start Levee Mile	0.62
End Levee Mile	0.62
Location	
Category	Earthen Levee
Item	Erosion / Bank Caving
<p>RD 2085 Unit , LS. People are regularly driving across this levee where no access is present. Damage has occurred on both LS and WS, damage will only get worse if no action is taken to halt this driving pattern.</p>	



Levee Mile Report Line	1
Start Levee Mile	0.62
End Levee Mile	0.62
Location	
Category	Earthen Levee
Item	Erosion / Bank Caving
<p>Closer view of rutting occurring.</p>	



Levee Mile Report Line	4
Start Levee Mile	1.35
End Levee Mile	1.35
Location	
Category	Earthen Levee
Item	Encroachments
<p>RD 2085 unit1. This debris pile should be removed. This levee is known to have seepage problems and any attempt to fight a boil in this location would be hampered. Also, typically debris tends to attract more debris.</p>	



<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>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2085

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Left	5.20	09/18/2008	Hana Babbins

Levee Mile Report Line	4
Start Levee Mile	1.35
End Levee Mile	1.35
Location	
Category	Earthen Levee
Item	Encroachments
Same comments as prior photo.	



Levee Mile Report Line	6
Start Levee Mile	2.50
End Levee Mile	2.52
Location	
Category	Earthen Levee
Item	Underseepage Relief Wells
Each drain element is filled with sediment.	



Levee Mile Report Line	6
Start Levee Mile	2.50
End Levee Mile	2.52
Location	
Category	Earthen Levee
Item	Underseepage Relief Wells
Another view of the toe drain feature.	



<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>
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Reclamation District No. 2085

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Left	5.20	09/18/2008	Hana Babbins

Levee Mile Report Line	9
Start Levee Mile	4.12
End Levee Mile	4.17
Location	
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
RD 2085 unit 1.	



Levee Mile Report Line	9
Start Levee Mile	4.12
End Levee Mile	4.17
Location	
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
RD2085 unit 1. Roadway is beginning to develop unwanted vegetation. Best to get control before growth becomes out of hand.	



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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2008 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)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/7/2008		9/18/2008	
DWR Inspector	Bob Duffey		Hana Babbin	
Accompanied By				
Unit Maintenance Rating (Fall Only)			A	

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Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2085

Waterway		Bank	Unit Miles	Inspection Date	Inspector
Unit No. 02 San Joaquin River			0.70	09/18/2008	Hana Babbitt

LMR Line	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	0.69	Earthen Levee	Vegetation	LS	A		°	°		1
								°	°		

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable N : Not Inspected</p>
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2008 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)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/7/2008		9/18/2008	
DWR Inspector	Bob Duffey		Hana Babbin	
Accompanied By				
Unit Maintenance Rating (Fall Only)			U	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2085

Waterway		Bank	Unit Miles	Inspection Date	Inspector
Unit No. 03 San Joaquin River			0.30	09/18/2008	Hana Babbín

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	M	Control annual grass and weeds on the levee slopes and easements.	°	°		1

<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>
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