

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

**Reclamation District No. 2062**

	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. 2062**

Waterway		Bank	Unit Miles
Unit No. 01 San Joaquin River		Left	2.70

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/28/2009 - 4/28/2009			
DWR Inspector	Richard Willoughby			
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.

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(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

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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. 2062**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.70	04/28/2009 04/28/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	2.69	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.807607 ° -121.328667 °	37.787308 ° -121.308972 °		922
2	0.00	2.69	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.807608 ° -121.328667 °	37.787308 ° -121.308968 °		921
3	0.91	0.91	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: Previously marked with stakes	37.804080 ° -121.314060 °	° °		918
4	1.00	1.02	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: Most likely sliding at base	37.802720 ° -121.313750 °	° °		917
5	1.20	1.20	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: 1-2 feet into prism	37.819290 ° -121.378880 °	° °		920
6	2.24	2.26	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Pocket erosion approximately 0.3-0.4 miles downstream from SPRR bridge - LM 2.3	37.793120 ° -121.308110 °	° °		916

<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  
Unit Cover Sheet  
Spring 2009 Levee Inspection Results  
Reclamation District No. 2062**

Waterway		Bank	Unit Miles
Unit No. 02 Paradise Cut		Right	4.00

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/28/2009 - 4/28/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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Signature of LMA Representative Date

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 2062**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.00	04/28/2009 04/28/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	2.54	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	° 37.801285 °	° -121.367305 °		3
2	0.00	4.01	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	° 37.808990 °	° -121.390388 °		1
3	0.00	4.01	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	° 37.808995 °	° -121.390388 °		2
4	2.54	3.94	Earthen Levee	Encroachments	LS	M	Agricultural tilling	° 37.808230 °	° -121.390260 °	Y	6
5	2.81	2.81	Earthen Levee	Encroachments	WS	M	Garbage	37.803502 ° -121.371352 °	37.803502 ° -121.371352 °	Y	4
6	3.29	3.29	Earthen Levee	Encroachments	LS	M	Pipe Inspector Comments: Remove abandoned pipe from landside slope.	37.804742 ° -121.379820 °	37.804742 ° -121.379820 °	Y	5
7	3.90	3.90	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.807728 ° -121.389822 °	37.807728 ° -121.389822 °		7

<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. 2062**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.00	04/28/2009 04/28/2009	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking downstream at landside toe agricultural tilling.	



Levee Mile Report Line	4
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking from the top of levee at tilling on landside toe.	



Levee Mile Report Line	5
Start Levee Mile	2.81
End Levee Mile	2.81
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Garbage on waterside toe & berm	



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Levee Inspections**

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

**Reclamation District No. 2062**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.00	04/28/2009 04/28/2009	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking upstream at abandoned pipe on landside shoulder.	



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**Flood Control Project Maintenance  
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Reclamation District No. 2062**

Waterway		Bank	Unit Miles
Unit No. 03 Old River		Left	5.60

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/28/2009 - 4/28/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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Signature of LMA Representative

Date

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Levee Inspections**

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

**Reclamation District No. 2062**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.60	04/28/2009 04/28/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.05	0.13	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: No change; combination of vertical scarp and pocket erosion on lower slope	37.809770 ° -121.388880 °	° °		924
2	0.21	0.21	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: 3 sites, each 15' in length; small tree (12" DBH) directly above one site 2007 pictures do not match GPS and current condition	37.810330 ° -121.386900 °	° °		923
3	0.21	0.69	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.810317 ° -121.386807 °	37.814300 ° -121.381427 °		925
4	0.27	0.27	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: Top of vertical scarp is rip rap ready to collapse; minor rodent holes	37.810600 ° -121.385910 °	° °		922
5	0.41	0.41	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.810958 ° -121.383492 °	37.810958 ° -121.383492 °	Y	3
6	0.43	0.43	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	37.811405 ° -121.383222 °	37.811405 ° -121.383222 °		6
7	0.47	0.47	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.811913 ° -121.382877 °	37.811913 ° -121.382877 °		926
8	0.56	0.56	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Inside a bend; 5 ft. into levee prism	37.813070 ° -121.383100 °	° °		921
9	1.05	1.05	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.817725 ° -121.378590 °	37.817725 ° -121.378590 °		927
10	1.42	1.42	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: Portion of rip rap collapsing; on the outside bend	37.821380 ° -121.376900 °	° °		919
11	1.78	1.78	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.820902 ° -121.370582 °	37.820902 ° -121.370582 °		928

**\* Location**  
 LS : Land Side  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
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Levee Inspections**

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

**Reclamation District No. 2062**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.60	04/28/2009 04/28/2009	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
RD 2062: LS bush/tree that should be removed ASAP. This levee is in great condition, would not want this vegetation to spread.	



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