

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2010 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>NA0008</b>	Overall LMA Rating	Total LMA Miles				
<b>Knights Landing Ridge Drainage District</b>	<b>U</b>	<b>12.57</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Vegetation	0.07		0.07	0.56%		
Trim / Thin Trees	0.01		0.01	0.08%		
Encroachments	0.25		0.25	1.99%	0.62	0.07
Animal Control	0.04		0.04	0.32%		
USACE Erosion Survey	2.27		2.27	18.06%		
<i>LMA Totals:</i>	2.64	0.00	2.64	21.00%	0.62	0.07
<b>Unit No. 01 Knights Landing Ridge Cut</b>	Overall Unit Rating	Total Unit Miles				
	<b>A</b>	<b>6.43</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Vegetation	0.01		0.01	0.16%		
Trim / Thin Trees	0.01		0.01	0.16%		
Encroachments	0.25		0.25	3.89%		
Animal Control	0.04		0.04	0.62%		
USACE Erosion Survey	0.26		0.26	4.04%		
<i>Unit Totals:</i>	0.57	0.00	0.57	8.87%	0.00	0.00
<b>Unit No. 02 Knights Landing Ridge Cut</b>	Overall Unit Rating	Total Unit Miles				
	<b>U</b>	<b>6.14</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Vegetation	0.06		0.06	0.98%		
Encroachments					0.62	0.07
USACE Erosion Survey	2.01		2.01	32.74%		
<i>Unit Totals:</i>	2.07	0.00	2.07	33.71%	0.62	0.07

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 2010 Levee Inspection Results**

**Knights Landing Ridge Drainage District**

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

\*\* 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 2010 Levee Inspection Results**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles
Unit No. 01 Knights Landing Ridge Cut	Right	6.43

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/16/2010		10/12/2010	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Chad Navarrot RD 108		Chad Navarrot RD 108	

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 2010**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	10/27/2010 10/27/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.26	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 0.06 ft/s [2009 SiteID:KLR_0-2_R]	38.722261 ° -121.666350 °	38.718939 ° -121.663858 °	11
2	0.23	1.59	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Add appropriate gravel or road base. Grade and compact.	38.721919 ° -121.666156 °	38.735158 ° -121.683861 °	5
3	0.69	0.69	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.726448 ° -121.672062 °	38.726448 ° -121.672062 °	934 Y
4	0.80	0.80	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.727258 ° -121.673655 °	38.727258 ° -121.673655 °	1
5	0.86	0.86	Earthen Levee	Encroachments	WS	M	Debris	38.727735 ° -121.674547 °	38.727735 ° -121.674547 °	2 Y
6	1.16	1.16	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.730265 ° -121.678982 °	38.730265 ° -121.678982 °	3 Y
7	1.36	1.36	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.732418 ° -121.681292 °	38.732418 ° -121.681292 °	4
8	1.62	1.62	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.735505 ° -121.684298 °	38.735505 ° -121.684298 °	935
9	1.69	1.69	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.736200 ° -121.684970 °	38.736200 ° -121.684970 °	9
10	1.73	2.70	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.736795 ° -121.685337 °	38.748358 ° -121.694820 °	6
11	1.75	1.75	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.736998 ° -121.685652 °	38.736998 ° -121.685652 °	936
12	1.76	1.76	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	38.737077 ° -121.685638 °	38.737077 ° -121.685638 °	10
13	3.14	3.14	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.755229 ° -121.694394 °	38.755229 ° -121.694394 °	937
14	6.17	6.41	Earthen Levee	Encroachments	LS	M	Equipment	38.790007 ° -121.723308 °	38.792433 ° -121.726463 °	7 Y

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

**Levee Inspection Report By Mile - Fall 2010**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	10/27/2010 10/27/2010	John Williamson

Levee Mile Report Line	3
Start Levee Mile	0.69
End Levee Mile	0.69
Location	Land Side
Category	Earthen Levee
Item	Animal Control
squirrel holes landside	
johngw_f_20101012_061.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Rusted old car parts left on the levee slope.	
johngw_f_20101101_278.jpg	



Levee Mile Report Line	6
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Wild grapes are growing on the levee slope and up to the shoulder.	
johngw_f_20101101_279.jpg	



<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/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	10/27/2010 10/27/2010	John Williamson

Levee Mile Report Line	14
Start Levee Mile	6.17
End Levee Mile	6.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments
equipment on levee slope	
johngw_f_20101012_060.jpg	



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2010 Levee Inspection Results**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles
Unit No. 02 Knights Landing Ridge Cut	Left	6.14

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	3/16/2010		10/12/2010	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Chad Navarrot RD 108		Chad Navarrot RD 108	

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**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.14	10/27/2010 10/27/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.69	0.75	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.730015 ° -121.675337 °	38.730602 ° -121.676190 °	5 Y
2	0.95	0.95	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.732577 ° -121.678772 °	38.732577 ° -121.678772 °	4
3	1.43	1.43	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Regrade the crown roadway for proper drainage.	38.738139 ° -121.684028 °	38.738139 ° -121.684028 °	8
4	2.74	2.96	Supplemental Survey	USACE Erosion	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 0.11 ft/s [2009 SiteID:KLR_3-0_L]	38.757925 ° -121.693047 °	38.754900 ° -121.692653 °	11
5	3.01	3.08	Supplemental Survey	USACE Erosion	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, tree hazards and holes, clays and silts, 0.11 ft/s [2009 SiteID:KLR_3-1_L]	38.759431 ° -121.694036 °	38.758586 ° -121.693358 °	12
6	3.35	3.97	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.762362 ° -121.697247 °	38.770357 ° -121.701281 °	940
7	4.01	4.09	Supplemental Survey	USACE Erosion	WS	M	Inspector Comments: 2009: 10 ft berm, 2:1 slope, slumping, clays and silts, 0.09 ft/s [2009 SiteID:KLR_4-2_L]	38.771917 ° -121.701811 °	38.770883 ° -121.701475 °	13
8	4.39	6.03	Supplemental Survey	USACE Erosion	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, slumping, clays and silts, 0.08 ft/s [2009 SiteID:KLR_5-3_L]	38.792561 ° -121.724003 °	38.775825 ° -121.703772 °	14
9	6.05	6.12	Earthen Levee	Encroachments	LS	CO	Crops Inspector Comments: no access; strawberries are being grown landside levee slope and crown	38.792735 ° -121.724092 °	38.792735 ° -121.724092 °	1 Y

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.14	10/27/2010 10/27/2010	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.69
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Vegetation
remove willows	
johngw_f_20101012_063.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.69
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The district has made great progress to eliminate the willows.	
johngw_f_20101101_283.jpg	



Levee Mile Report Line	9
Start Levee Mile	6.05
End Levee Mile	6.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The fence and the well established strawberry crop are an encroachment at the end of unit 2.	
johngw_f_20101101_280.jpg	



<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/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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