

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2011 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)				

** 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 2011 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)				
Date of Inspection	4/22/2011 - 4/22/2011			
DWR Inspector	John Williamson			
Accompanied By	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, Suite 200
 Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Knights Landing Ridge Drainage District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut				Right	6.43	04/22/2011 04/22/2011	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	0.02	1.57	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage. Inspector Comments: The district RD 108 is in the process of working out an agreement with the farmers of the bypass to make this an all weather crown roadway.	38.719297 ° -121.664256 °	38.735023 ° -121.683713 °	8 Y
3	0.02	6.41	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.719297 ° -121.664256 °	38.792386 ° -121.726547 °	6 Y
4	0.02	6.41	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.719297 ° -121.664256 °	38.792387 ° -121.726547 °	5 Y
5	0.69	0.69	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.726448 ° -121.672062 °	38.726448 ° -121.672062 °	934
6	0.80	0.80	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.727258 ° -121.673655 °	38.727258 ° -121.673655 °	1
7	0.86	0.86	Earthen Levee	Encroachments	WS	C	Debris	38.727735 ° -121.674547 °	38.727735 ° -121.674547 °	2
8	1.16	1.16	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.730265 ° -121.678982 °	38.730265 ° -121.678982 °	3
9	1.36	1.36	Earthen Levee	Trim / Thin Trees	WS	C	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.732418 ° -121.681292 °	38.732418 ° -121.681292 °	4
10	1.75	1.75	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.736998 ° -121.685652 °	38.736998 ° -121.685652 °	936
11	1.76	1.76	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.737077 ° -121.685638 °	38.737077 ° -121.685638 °	10
12	6.17	6.41	Earthen Levee	Encroachments	LS	M	Equipment	38.790007 ° -121.723308 °	38.792433 ° -121.726463 °	7 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	04/22/2011 04/22/2011	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	1.57
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
<p>The crown in this area is a common use road by the farmers in the bypass. In the winter the crown roadway becomes rutted.</p>	
<p>johngw_s_20110425_444.jpg</p>	



Levee Mile Report Line	3
Start Levee Mile	0.02
End Levee Mile	6.41
Location	Water Side
Category	Earthen Levee
Item	Vegetation
<p>The view is of the waterside levee slope with grasses taller than 12".</p>	
<p>johngw_s_20110425_445.jpg</p>	



Levee Mile Report Line	4
Start Levee Mile	0.02
End Levee Mile	6.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>The photo is of the landside levee slope.</p>	
<p>johngw_s_20110425_446.jpg</p>	



<p>* Location</p> <p>LS : Landside WS : Waterside 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/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	04/22/2011 04/22/2011	John Williamson

Levee Mile Report Line	12
Start Levee Mile	6.17
End Levee Mile	6.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The equipment and pipe is stored on the slope and the toe of the levee.

johngw_s_20110425_447.jpg



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

Unit Cover Sheet

Spring 2011 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)				
Date of Inspection	4/22/2011 - 4/22/2011			
DWR Inspector	John Williamson			
Accompanied By	Chad Navarrot RD 108			

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 3310 El Camino Avenue, Suite 200
 Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.14	04/22/2011 04/22/2011	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.04	6.04	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.724649 ° -121.665617 °	38.792667 ° -121.724058 °	2 Y
2	0.04	6.04	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.724649 ° -121.665617 °	38.792667 ° -121.724058 °	3 Y
3	0.69	0.75	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.730015 ° -121.675337 °	38.730602 ° -121.676190 °	5
4	2.74	2.96	Supplemental	USACE Erosion Survey	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	USACE Erosion Survey	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	4.01	4.09	Supplemental	USACE Erosion Survey	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
7	4.39	6.03	Supplemental	USACE Erosion Survey	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
8	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

* Location LS : Landside WS : Waterside CR : Crown	** Rating 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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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.14	04/22/2011 04/22/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.04
End Levee Mile	6.04
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The photo is of the waterside levee slope.	
johngw_s_20110425_449.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.04
End Levee Mile	6.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The grasses are taller than 12" on the landside levee slope.	
johngw_s_20110425_448.jpg	



Levee Mile Report Line	8
Start Levee Mile	6.05
End Levee Mile	6.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The well established strawberry crop is an encroachment at the end of unit 2.	
johngw_s_20110228_103.jpg	



<p>* Location</p> <p>LS : Landside WS : Waterside 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/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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