

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Levee District No. 0002 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_LD0002_01_s _ 2013_14				
Action/Comments					
Inspector Comments: The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_LD0002_01_s _ 2013_17				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	18		
LM End		Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_LD0002_01_s _ 2013_18						
Action/Comments							
Inspector Comments: The LMA has completed flood fight training in the past.							

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start	0.07	Rating **	M	Issue No.	6
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.414649 °	39.417689 °
				-122.009853 °	-122.010369 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Very slow retreat, hard toe, encroaching into the levee projection. 2010 - Slowly eroding. 2011 - Site extended downstream. 2015: Last observed in 2013. [2015 Site ID: SAC_164-7_R]					

Photo 1 of 2 : USACE2013A_SAC_164-7_R_1.jpg



USACE 2013 Photo #1

LM Start	0.07	Rating **	M	Issue No.	6 (cont)
LM End	0.28	Issue Type +	Ma	Location *	WS

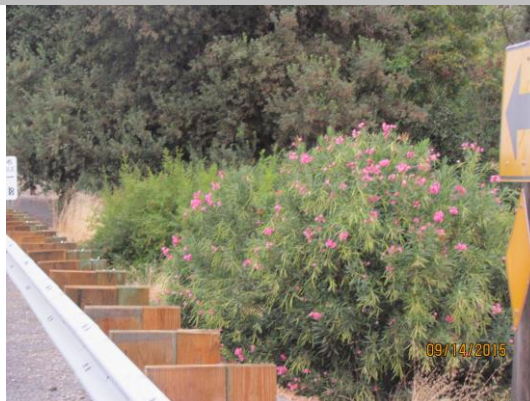
Photo 2 of 2 : USACE2013A_SAC_164-7_R_3.jpg



USACE 2013 Photo #2

LM Start	1.03	Rating **	M	Issue No.	30
LM End	1.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.428445 °	39.428445 °
				-122.010972 °	-122.010972 °
DWR ID	DWR_LD0002_01_f_2015_30				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove the oleanders from the waterside slope.					

Photo 1 of 1 : FA_2015_LD0002_28_30_20151013_00019.jpg



View of the oleanders along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start	1.24	Rating **	M	Issue No.	40
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.431499 °	39.431499 °
				-122.010803 °	-122.010803 °
DWR ID	DWR_LD0002_01_f_2013_40				
Action/Comments					
Tree or limb					
Inspector Comments: Remove the tree limbs from the waterside slope.					

Photo 1 of 2 : FA_2015_LD0002_28_40_20150910_00015.jpg



View of the downed tree limb along the slope of the levee.

LM Start	1.24	Rating **	M	Issue No.	40 (cont)
LM End	1.24	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_LD0002_28_40_20151013_00020.jpg



View of the tree limbs along the waterside slope.

LM Start	1.43	Rating **	M	Issue No.	4
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.434157 °	39.434157 °
				-122.010760 °	-122.010760 °
DWR ID	DWR_LD0002_01_f_2012_4				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_LD0002_28_4_20150910_00002.jpg



View of the rodent holes along the landside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start	1.52	Rating **	M	Issue No.	15
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.435485 °	39.436643 °
				-122.010640 °	-122.010498 °
DWR ID	DWR_LD0002_01_f_2012_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: LMA needs to repair the rodent holes.					

Photo 1 of 2 : FA_2015_LD0002_28_15_20150910_00011.jpg



View of the rodent holes along the landside slope.

LM Start	1.52	Rating **	M	Issue No.	15 (cont)
LM End	1.60	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_LD0002_28_15_20151013_00021.jpg



View of the rodent holes along the landside slope.

LM Start	1.57	Rating **	M	Issue No.	41
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.436149 °	39.436149 °
				-122.010525 °	-122.010525 °
DWR ID	DWR_LD0002_01_f_2013_41				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_LD0002_28_41_20150910_00016.jpg



View of the rodent holes along the slope of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start	2.77	Rating **	M	Issue No.	42
LM End	2.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.451841 °	39.451841 °
				-122.017120 °	-122.017120 °
DWR ID	DWR_LD0002_01_f_2013_42				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_LD0002_28_42_20150910_00017.jpg



View of the rodent holes along the slope of the levee.

LM Start	2.89	Rating **	M	Issue No.	5
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.453490 °	39.453490 °
				-122.016457 °	-122.016457 °
DWR ID	DWR_LD0002_01_f_2015_5				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_LD0002_28_5_20150910_00003.jpg



View of the prunings along the landside toe.

LM Start	2.91	Rating **	M	Issue No.	2
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.453595 °	39.454003 °
				-122.016273 °	-122.015503 °
DWR ID	DWR_LD0002_01_f_2015_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_LD0002_28_2_20150910_00001.jpg



View of the rodent holes and bait station along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start	3.06	Rating **	M	Issue No.	3
LM End	3.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee	GPS Latitude/Longitude			
		Start		End	
Item	Animal Control	39.455145 °		39.455813 °	
		-122.014287 °		-122.013205 °	
DWR ID	DWR_LD0002_01_s _ 2012_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Repair the rodent holes along the waterside slope.					

Photo 1 of 1 : FA_2015_LD0002_28_3_20151013_00024.jpg



View of the rodent holes along the waterside slope.

LM Start	3.16	Rating **	U	Issue No.	12
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.455992 °	39.455992 °
				-122.012809 °	-122.012809 °
DWR ID	DWR_LD0002_01_s _ 2013_12				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Repair the rodent holes along landside slope.					

Photo 1 of 1 : FA_2015_LD0002_28_12_20150910_00009.jpg



View of the rodent activity along the landside slope.

LM Start	3.16	Rating **	M	Issue No.	9
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.455992 °	39.455992 °
				-122.012808 °	-122.012808 °
DWR ID	DWR_LD0002_01_s _ 2013_9				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_LD0002_28_9_20150910_00007.jpg



View of the rodent activity along the waterside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start	3.27	Rating **	M	Issue No.	16
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.456237 °	39.456272 °
				-122.010640 °	-122.010163 °
DWR ID	DWR_LD0002_01_f_2012_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Grout or fill the rodent holes.					

Photo 1 of 1 : FA_2015_LD0002_28_16_20150910_00012.jpg



View of the rodent holes along the landside slope.

LM Start	3.44	Rating **	U	Issue No.	27
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.457692 °	39.458705 °
				-122.009517 °	-122.009872 °
DWR ID	DWR_LD0002_01_s_2014_27				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Repair the rodent holes on landside slope.					

Photo 1 of 1 : FA_2015_LD0002_28_27_20150910_00013.jpg



View of the rodent activity along the l/s slope.

LM Start	3.53	Rating **	M	Issue No.	13
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.458803 °	39.459305 °
				-122.009980 °	-122.010511 °
DWR ID	DWR_LD0002_01_s_2013_13				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_LD0002_28_13_20150910_00010.jpg



View of the rodent activity along the landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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Unit No. 01 Glenn County Sacramento River	Right	4.90	09/14/2015 09/14/2015	Bob Duffey

LM Start	4.38	Rating **	M	Issue No.	28
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.470675 °	39.470675
				-122.012763 °	-122.012763
DWR ID	DWR_LD0002_01_s _ 2015_28				
Action/Comments					
Note and monitor erosion site.					

No Photos

LM Start	4.87	Rating **	A/W	Issue No.	11
LM End	4.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.476676 °	39.476676 °
				-122.017439 °	-122.017439 °
DWR ID	DWR_LD0002_01_s __ 2012_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: The rodent holes have been filled with dirt.					

Photo 1 of 1 : FA_2015_LD0002_28_11_20150910_00008.jpg



View of the removed rodent holes and bait station.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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