

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Levee District No. 0002 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	10/26/2017 10/26/2017	Bob Duffey

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_LD0002_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_LD0002_01_s_2013_17				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

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	10/26/2017 10/26/2017	Bob Duffey

LM Start		Rating **	M	Issue No.	18	
LM End		Issue Type +	Ma	Location *		
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Flood Preparedness & Training				o	
					o	
DWR ID	DWR_LD0002_01_s_2013_18					
Comment Code						
Inspector Comment						
The LMA has completed flood fight training in the past. Recommend taking flood fight training.						

No Photos

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	DWR_LD0002_01_s_2016_6				
Comment Code					
Inspector Comment					
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 : FA_2017_LD0002_28_6_20170911_00003.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 : FA_2017_LD0002_28_6_20170911_00004.jpg



USACE 2013 Photo #2

* 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	10/26/2017 10/26/2017	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				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the waterside slope.					

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

A photograph of a dirt road or path leading through a wooded area. A large, fallen log lies across the path. The date 10/02/2019 is visible in the bottom right corner.

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

A photograph of a dirt road or path leading through a wooded area. A large, fallen log lies across the path. The trees are mostly green, but some show signs of autumn color. The date 09/14/2015 is visible in the bottom right corner.

View of the tree limbs along the waterside slope.

LM Start	1.40	Rating **	M	Issue No.	34
LM End	1.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.433809 °	39.433809 °
				-122.010814 °	-122.010814 °
DWR ID	DWR_LD0002_01_f_ 2016_34				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

A photograph showing a red and black hydraulic cylinder lying on a gravel shoulder next to a road. The cylinder is positioned horizontally, with its red body and black end fittings clearly visible. The gravel shoulder is light-colored and textured. In the background, a paved road with a green highway sign (number 152) runs alongside a grassy area with trees. A date stamp '08/01/2016' is located in the bottom right corner of the image.

View of a depression on the levee crown looking upstream.

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

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Unit No. 01 Glenn County Sacramento River	Right	4.90	10/26/2017 10/26/2017	Bob Duffey

LM Start	1.52	Rating **	U	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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 2 : FA_2017_LD0002_28_15_20171030_00055.jpg



View of the rodent holes along the landside slope.

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

Photo 2 of 2 : FA_2017_LD0002_28_15_20170911_00008.jpg



View of the rodent holes along the landside slope.

LM Start	1.59	Rating **	A/W	Issue No.	41
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.436550 °	39.436550 °
				-122.010490 °	-122.010490 °
DWR ID	DWR_LD0002_01_f_2016_41				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* 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	10/26/2017 10/26/2017	Bob Duffey

LM Start	2.01	Rating **	C	Issue No.	36
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.441740 °	39.441740 °
				-122.012834 °	-122.012834 °
DWR ID	DWR_LD0002_01_s_2016_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed cottonwood tree on waterside toe and slope					

No Photos

LM Start	2.77	Rating **	C	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_2017_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The rodent holes was repaired along the waterside slope.					

No Photos

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				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2017_LD0002_28_5_20170911_00002.jpg



View of the prunings along the landside toe.

*** 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Glenn County Sacramento River	Right	4.90	10/26/2017 10/26/2017	Bob Duffey

LM Start	2.91	Rating **	U	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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 2 : FA_2017_LD0002_28_2_20171030_00058.jpg



View of the rodent holes along the landside slope.

LM Start	2.91	Rating **	U	Issue No.	2 (cont)
LM End	2.96	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2017_LD0002_28_2_20170911_00001.jpg



View of the rodent holes and bait station along the landside 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			39.456004 °	39.456004 °
				-122.012776 °	-122.012776 °
DWR ID	DWR_LD0002_01_s_2013_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along landside slope.					

Photo 1 of 1 : FA_2017_LD0002_28_12_20170911_00006.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
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
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LM Start	3.24	Rating **	M	Issue No.	38
LM End	3.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.456202 °	39.456202 °
				-122.011314 °	-122.011314 °
DWR ID	DWR_LD0002_01_s _ 2016_38				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes on landside slope.					

Photo 1 of 2 : FA_2017_LD0002_28_27_20170911_00012.jpg



View of the rodent activity along the landside slope.

LM Start	3.44	Rating **	U	Issue No.	27 (cont)
LM End	3.52	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2017_LD0002_28_27_20170911_00013.jpg



View of the rodent holes 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 En : Enforcement	
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LM Start	3.53	Rating **	U	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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_LD0002_28_13_20170911_00007.jpg



View of the rodent activity along the landside slope.

LM Start	3.60	Rating **	M	Issue No.	46
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.459678 °	39.459678 °
				-122.010785 °	-122.010785 °
DWR ID	DWR_LD0002_01_f_2016_46				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the tree from the waterside slope and toe.					

Photo 1 of 2 : FA_2017_LD0002_28_46_20170911_00021.jpg



View of a fallen tree along the waterside slope.

LM Start	3.60	Rating **	M	Issue No.	46 (cont)
LM End	3.60	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_LD0002_28_46_20170911_00022.jpg



View of the tree along the waterside slope and toe.

* 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	10/26/2017 10/26/2017	Bob Duffey

LM Start	3.95	Rating **	A	Issue No.	35
LM End	3.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.464675 °	39.464675 °
				-122.011385 °	-122.011385 °
DWR ID	DWR_LD0002_01_f_2017_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The vegetation was removed from both slopes.					

Photo 1 of 1 : FA_2017_LD0002_28_35_20171030_00060.jpg



View of no vegetation on both slopes.

LM Start	4.02	Rating **	M	Issue No.	47
LM End	4.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.465622 °	39.465622 °
				-122.011246 °	-122.011246 °
DWR ID	DWR_LD0002_01_f_2016_47				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

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	10/26/2017 10/26/2017	Bob Duffey

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				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The rodent holes have been filled with dirt.					

Photo 1 of 1 : FA_2017_LD0002_28_11_20170911_00005.jpg



View of the removed rodent holes and bait station.

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

** Rating
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M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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