

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has adequate emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has completed flood fight training in the past.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start	0.25	Rating **	M	Issue No.	41
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.480769 °	39.480769 °
				-122.017301 °	-122.017301 °
DWR ID	DWR_LD0001G_01_f _ 2015_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree from the waterside slope.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_41\_20160316\_00011.jpg



View of the tree on the waterside slope.

LM Start	1.08	Rating **	M	Issue No.	43
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.492001 °	39.492001 °
				-122.020141 °	-122.020141 °
DWR ID	DWR_LD0001G_01_f _ 2015_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees that are overhanging the landside slope.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_43\_20160316\_00012.jpg



View of the tree limbs on the landside slope.

LM Start	1.22	Rating **	M	Issue No.	59
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.493667 °	39.493667 °
				-122.018643 °	-122.018643 °
DWR ID	DWR_LD0001G_01_f_2015_59				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The levee district has a rodent program in place.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_59\_20160316\_00026.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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start	2.80	Rating **	A/W	Issue No.	50
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.509503 °	39.509503 °
				-122.008732 °	-122.008732 °
DWR ID	DWR_LD0001G_01_f_2014_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_50\_20160316\_00018.jpg



View of the rodent activity along the landside slope.

LM Start	3.09	Rating **	U	Issue No.	51
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.513485 °	39.513485 °
				-122.009593 °	-122.009593 °
DWR ID	DWR_LD0001G_01_f_2014_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_51\_20160316\_00019.jpg



View of the rodent activity along the landside slope.

LM Start	3.88	Rating **	U	Issue No.	395
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.523845 °	39.523845 °
				-122.010745 °	-122.010745 °
DWR ID	DWR_LD0001G_01_s_2012_395				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent hole on the landside slope.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_395\_20160316\_00034.jpg



View of the rodent holes along the L/S toe.

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

\*\* Rating  
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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start	4.93	Rating **	M	Issue No.	63
LM End	4.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.532719 °	39.532719 °
				-121.995849 °	-121.995849 °
DWR ID	DWR_LD0001G_01_f _ 2015_63				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the erosion along the waterside slope.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_63\_20160316\_00030.jpg



View of the vehicle erosion along the waterside slope.

LM Start	5.06	Rating **	M	Issue No.	57
LM End	5.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.534593 °	39.534593 °
				-121.995950 °	-121.995950 °
DWR ID	DWR_LD0001G_01_f _ 2013_57				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_57\_20160316\_00024.jpg



View of the vehicle erosion along the slope of the levee.

LM Start	5.08	Rating **	U	Issue No.	7
LM End	5.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.534741 °	39.536013 °
				-121.996024 °	-121.996702 °
DWR ID	DWR_LD0001G_01_f_2012_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_7\_20160316\_00004.jpg



View of the rodent hole along the levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start	5.34	Rating **	M	Issue No.	67
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.538310 °	39.539757 °
				-121.997740 °	-121.998502 °
DWR ID	DWR_LD0001G_01_s_2016_67				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.50	Rating **	M	Issue No.	25
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.540450 °	39.541424 °
				-121.998884 °	-121.999480 °
DWR ID	DWR_LD0001G_01_s_2012_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.22	Rating **	M	Issue No.	47
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550533 °	39.550533 °
				-122.002319 °	-122.002319 °
DWR ID	DWR_LD0001G_01_s_2014_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_47\_20160316\_00015.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start	6.30	Rating **	M	Issue No.	65
LM End	6.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.551665 °	39.551665 °
				-122.002639 °	-122.002639 °
DWR ID	DWR_LD0001G_01_f _ 2015_65				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the waterside slope and toe.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_65\_20160316\_00032.jpg



View of the vegetation along the waterside slope and toe.

LM Start	6.30	Rating **	M	Issue No.	64
LM End	6.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.551666 °	39.551666 °
				-122.002639 °	-122.002639 °
DWR ID	DWR_LD0001G_01_f_2015_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees along the landside slope.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_64\_20160316\_00031.jpg



View of the trees along the landside toe.

LM Start	6.38	Rating **	A/W	Issue No.	10
LM End	6.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.552691 °	39.556459 °
				-122.003063 °	-122.003831 °
DWR ID	DWR_LD0001G_01_s_2012_10				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_10\_20160316\_00006.jpg



View of the Army Corps of Engineers mitigation site.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start	8.05	Rating **	M	Issue No.	20
LM End	8.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.576580 °	39.578187 °
				-122.004962 °	-122.005218 °
DWR ID	DWR_LD0001G_01_s_2012_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_20\_20160316\_00009.jpg



View of the trees and vegetation along the waterside slope of the levee.

LM Start	9.50	Rating **	A/W	Issue No.	8
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.596192 °	39.607288 °
				-122.002573 °	-121.994565 °
DWR ID	DWR_LD0001G_01_s_2012_8				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_8\_20160316\_00005.jpg



View of the Army Corps of Engineers mitigation site.

LM Start	11.10	Rating **	U	Issue No.	66
LM End	11.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.617252 °	39.618192 °
				-121.994605 °	-121.995609 °
DWR ID	DWR_LD0001G_01_f _ 2015_66				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the waterside slope.					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_66\_20160316\_00033.jpg



View of the rodent holes along the waterside slope.

**\* Location**  
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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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/15/2016 04/15/2016	Keith Millard

LM Start	11.51	Rating **	M	Issue No.	48
LM End	11.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.622083 °	39.622821 °
				-121.998858 °	-121.999244 °
DWR ID	DWR_LD0001G_01_s_2014_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_LD0001G\_432\_48\_20160316\_00016.jpg



View of the rodent activity along the waterside slope.

LM Start	11.67	Rating **	M	Issue No.	42
LM End	11.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624171 °	39.625823 °
				-121.999967 °	-122.000834 °
DWR ID	DWR_LD0001G_01_s_2012_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.91	Rating **	M	Issue No.	44
LM End	11.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.627423 °	39.628278 °
				-122.001562 °	-122.001818 °
DWR ID	DWR_LD0001G_01_s_2012_44				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries partially block visibility.					

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	