

**Flood Control Project Maintenance
Levee Inspections**

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

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	10/27/2016 10/27/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0012_01_s _ 2013_12				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0012_01_s _ 2013_13				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

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 Colusa Drain	Left	11.06	10/27/2016 10/27/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	14	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_MA0012_01_s_2013_14					
Comment Code						
Inspector Comment						
The LMA completed flood fight training in 2016.						

No Photos

LM Start	0.44	Rating **	M	Issue No.	25
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.157957 °	39.158226 °
				-122.021950 °	-122.021950 °
DWR ID	DWR_MA0012_01_s_2016_25				
Comment Code					
Inspector Comment					
2011 - Erosion occurring upstream and downstream of an irrigation diversion structure. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: SYC_9-3_L]					

No Photos

LM Start	0.69	Rating **	M	Issue No.	36
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.042290 °	39.052787 °
				-121.998030 °	-122.003160 °
DWR ID	DWR_MA0012_01_f_2016_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0012_299_36_20161107_00040.jpg



View of the annual grass along the waterside slope.

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+ Issue Type

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LM Start	1.81	Rating **	M	Issue No.	35
LM End	1.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.057393 °	39.057393 °
				-122.003452 °	-122.003452 °
DWR ID	DWR_MA0012_01_f_2016_35				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0012_299_35_20161107_00041.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	5.16	Rating **	M	Issue No.	33
LM End	5.81	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.103082 °	39.112440 °
				-122.016377 °	-122.017598 °
DWR ID	DWR_MA0012_01_f_2016_33				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : FA_2016_MA0012_299_33_20161107_00045.jpg



View of minor ruts on the levee crown

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Unit No. 01 Colusa Drain	Left	11.06	10/27/2016 10/27/2016	Tariq Chechi

LM Start	6.05	Rating **	M	Issue No.	32
LM End	6.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.115903 °	39.115903 °
				-122.018190 °	-122.018190 °
DWR ID	DWR_MA0012_01_f_2016_32				
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_2016_MA0012_299_32_20161107_00047.jpg



View of the rodent holes along the landside slope.

LM Start	7.55	Rating **	M	Issue No.	31
LM End	7.64	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.136762 °	39.138048 °
				-122.022800 °	-122.022737 °
DWR ID	DWR_MA0012_01_f_2016_31				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	7.72	Rating **	M	Issue No.	30
LM End	7.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.139143 °	39.139143 °
				-122.022618 °	-122.022618 °
DWR ID	DWR_MA0012_01_f _ 2016_30				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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LM Start	8.76	Rating **	M	Issue No.	29
LM End	8.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.154293 °	39.154293 °
				-122.021740 °	-122.021740 °
DWR ID	DWR_MA0012_01_f_2016_29				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	9.14	Rating **	M	Issue No.	27
LM End	9.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.159795 °	39.159795 °
				-122.021898 °	-122.021898 °
DWR ID	DWR_MA0012_01_f_2016_27				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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LM Start	9.29	Rating **	C	Issue No.	26
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.161847°	39.161847°
				-122.021895°	-122.021895°
DWR ID	DWR_MA0012_01_f_2015_26				
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 the landside slope.					

No Photos

LM Start	10.45	Rating **	M	Issue No.	24
LM End	10.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.173798 °	39.173798 °
				-122.015097 °	-122.015097 °
DWR ID	DWR_MA0012_01_f_2016_24				
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_2016_MA0012_299_24_20161107_00048.jpg



View of the rodent holes along the landside slope.

LM Start	10.48	Rating **	M	Issue No.	22
LM End	10.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.173812 °	39.173812 °
				-122.014560 °	-122.014560 °
DWR ID	DWR_MA0012_01_f_2016_22				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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Unit No. 01 Colusa Drain	Left	11.06	10/27/2016 10/27/2016	Tariq Chechi

LM Start	10.69	Rating **	U	Issue No.	23
LM End	10.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.176778 °	39.177313 °
				-122.014340 °	-122.014380 °
DWR ID	DWR_MA0012_01_s_2016_23				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Ruts are 6" deep at places.					

Photo 1 of 1 : FA_2016_MA0012_299_23_20161107_00050.jpg



View of the ruts on the levee crown.

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