

**Flood Control Project Maintenance
Levee Inspections**

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

Sutter Maintenance Yard East-West Interceptor

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee		Right	1.75	03/17/2016 03/17/2016	Keith Millard

LM Start		Rating **	A	Issue No.	9	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start		End	
Item	Operations & Maintenance Manuals			o		o
DWR ID	DWR_NA0020_01_s_2013_9					
Comment Code						
Inspector Comment						
The LMA has the O&M manuals.						

No Photos

LM Start		Rating **	A	Issue No.	10	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start		End	
Item	Emergency Supplies & Equipment			o		o
DWR ID	DWR_NA0020_01_s_2013_10					
Comment Code						
Inspector Comment						
The LMA has adequate flood fight supplies and equipment.						

No Photos

LM Start		Rating **	A	Issue No.	11	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start		End	
Item	Flood Preparedness & Training			o		o
DWR ID	DWR_NA0020_01_s_2013_11					
Comment Code						
Inspector Comment						
The LMA completed flood fight training in 2014.						

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 West Levee	Right	1.75	03/17/2016 03/17/2016	Keith Millard

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.171577 °	39.171543 °	
			-121.760019 °	-121.758291 °	
DWR ID	DWR_NA0020_01_s_2012_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the landside toe.					

Photo 1 of 1 : SP_2016_ST0020_213_5_20160316_00006.jpg



View of the vegetation along the landside toe.

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.171577 °	39.171481 °	
			-121.760019 °	-121.754826 °	
DWR ID	DWR_NA0020_01_s_2012_7				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0020_213_7_20160316_00009.jpg



View of the vegetation along the w/s toe.

LM Start	0.62	Rating **	U	Issue No.	4
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.171292 °	39.171232 °	
			-121.748868 °	-121.748175 °	
DWR ID	DWR_NA0020_01_s_2012_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the concrete ditch.					

Photo 1 of 2 : SP_2016_ST0020_213_4_20160316_00004.jpg



Repair the erosion along the concrete ditch before winter.

* Location LS : Land Side 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 West Levee	Right	1.75	03/17/2016 03/17/2016	Keith Millard

LM Start	0.62	Rating **	U	Issue No.	4 (cont)
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.171292°	39.171232°	
			-121.748868°	-121.748175°	
DWR ID	DWR_NA0020_01_s_2012_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the concrete ditch.					

Photo 2 of 2 : SP_2016_ST0020_213_4_20160316_00005.jpg



Repair the erosion along the concrete ditch.

LM Start	1.67	Rating **	U	Issue No.	6
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.171128°	39.171128°	
			-121.729235°	-121.729235°	
DWR ID	DWR_NA0020_01_s_2012_6				
Comment Code					
Inspector Comment					
Sutter Yard needs to repair the erosion before winter.					

Photo 1 of 2 : SP_2016_ST0020_213_6_20160316_00007.jpg



Repair the erosion along the waterside slope.

LM Start	1.67	Rating **	U	Issue No.	6 (cont)
LM End	1.67	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_ST0020_213_6_20160316_00008.jpg



Repair the erosion along the waterside slope.

* Location LS : Land Side 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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Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	03/17/2016 03/17/2016	Keith Millard

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.171116°	39.171101°	
			-121.726501°	-121.721857°	
DWR ID	DWR_NA0020_02_s_2012_11				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.55	Rating **	M	Issue No.	2
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.171002°	39.170507°	
			-121.716293°	-121.676212°	
DWR ID	DWR_NA0020_02_s_2012_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from both slopes.					

Photo 1 of 2 : SP_2016_ST0020_214_2_20160316_00002.jpg



View of the vegetation on both slopes.

LM Start	0.55	Rating **	M	Issue No.	2 (cont)
LM End	2.72	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_ST0020_214_2_20160316_00003.jpg



View of the vegetation on both slopes.

* 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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Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	03/17/2016 03/17/2016	Keith Millard

LM Start	1.43	Rating **	M	Issue No.	3
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.170782 °	39.170817 °	
			-121.700167 °	-121.698203 °	
DWR ID	DWR_NA0020_02_s_2012_3				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the broken concrete.					

Photo 1 of 2 : SP_2016_ST0020_214_3_20160316_00004.jpg



View of the piles of broken concrete.

LM Start	1.43	Rating **	M	Issue No.	3 (cont)
LM End	1.55	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_ST0020_214_3_20160316_00005.jpg



View of the pile of broken concrete.

LM Start	1.54	Rating **	M	Issue No.	4
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.170800 °	39.170702 °	
			-121.698105 °	-121.690788 °	
DWR ID	DWR_NA0020_02_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside slope.					

Photo 1 of 2 : SP_2016_ST0020_214_4_20160316_00006.jpg



View of the erosion along the waterside slope.

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

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LM Start	1.54	Rating **	M	Issue No.	4 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.170800 °	39.170702 °	
			-121.698105 °	-121.690788 °	
DWR ID	DWR_NA0020_02_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside slope.					

Photo 2 of 2 : SP_2016_ST0020_214_4_20160316_00007.jpg



View of the erosion along the waterside slope.

LM Start	1.95	Rating **	M	Issue No.	6
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.170775 °	39.170775 °	
			-121.691252 °	-121.691255 °	
DWR ID	DWR_NA0020_02_s_2012_6				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0020_214_6_20160316_00009.jpg



View of the erosion along the W/S slope.

LM Start	2.02	Rating **	M	Issue No.	17
LM End	2.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.170756 °	39.170756 °	
			-121.689841 °	-121.689841 °	
DWR ID	DWR_NA0020_02_s_2013_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Repair the erosion along the waterside slope.					

Photo 1 of 1 : SP_2016_ST0020_214_17_20160316_00013.jpg



View of the erosion along the waterside slope.

* Location LS : Land Side 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. 02 East Levee	Left	3.05	03/17/2016 03/17/2016	Keith Millard

LM Start	2.71	Rating **	M	Issue No.	10
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.170548 °	39.170548 °	
			-121.675970 °	-121.675970 °	
DWR ID	DWR_NA0020_02_s_2012_10				
Comment Code					
MA : Material					
Inspector Comment					
Remove the lumber, garbage and equipment from the landside toe.					

Photo 1 of 1 : SP_2016_ST0020_214_10_20160316_00011.jpg



View of the material, garbage and equipment along the landside toe

* 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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