

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

NA0013	Overall LMA Rating	Total LMA Miles						
Merced Streams Group	U	6.31						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	3.21	1.32	8.49	134.61%				
Trim / Thin Trees	0.03		0.03	0.48%				
Encroachments						0.02		
Animal Control	3.48	0.26	4.52	71.66%				
Slope Stability	0.07		0.07	1.11%				
Erosion / Bank Caving	0.17		0.17	2.70%				
Crown Surface / Depressions / Rutting	0.61		0.61	9.67%				
Repair Gates	0.01		0.01	0.16%				
<i>Rivers, Channels & Designated Floodways</i>								
Encroachments		0.01	0.04	0.63%				
<i>Supplemental</i>								
DWR Erosion Survey	0.01		0.01	0.16%				
DWR UCIP Field Study					0.16	0.02		
<i>LMA Totals:</i>	7.59	1.59	13.95	221.18%	0.16	0.04	0.00	0.00

Unit No. 01 Black Rascal Diversion RB	Overall Unit Rating	Total Unit Miles						
NA0013	M	1.61						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.28		0.28	17.36%				
Repair Gates	0.01		0.01	0.62%				
<i>Unit Totals:</i>	0.29	0.00	0.29	17.98%	0.00	0.00	0.00	0.00

Unit No. 02 Black Rascal Diversion LB	Overall Unit Rating	Total Unit Miles						
NA0013	U	1.85						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.76	0.20	1.56	84.35%				
Trim / Thin Trees	0.01		0.01	0.54%				
Encroachments						0.02		
Animal Control	1.96		1.96	105.98%				
Erosion / Bank Caving	0.01		0.01	0.54%				
Crown Surface / Depressions / Rutting	0.18		0.18	9.73%				
<i>Supplemental</i>								
DWR Erosion Survey	0.01		0.01	0.54%				
DWR UCIP Field Study					0.05			
<i>Unit Totals:</i>	2.93	0.20	3.73	201.68%	0.05	0.02	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 03 Owens Creek Diversion RB		Overall Unit Rating	Total Unit Miles						
NA0013		U	1.43						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.56	0.97	4.44	311.57%					
Trim / Thin Trees	0.02		0.02	1.40%					
Animal Control	0.21	0.13	0.73	51.23%					
Slope Stability	0.07		0.07	4.91%					
Erosion / Bank Caving	0.16		0.16	11.23%					
Crown Surface / Depressions / Rutting	0.07		0.07	4.91%					
Rivers, Channels & Designated Floodways									
Encroachments		0.01	0.04	2.81%					
Supplemental									
DWR UCIP Field Study					0.05	0.01			
Unit Totals:	1.09	1.11	5.53	388.06%	0.05	0.01	0.00	0.00	

Unit No. 04 Owens Creek Diversion LB		Overall Unit Rating	Total Unit Miles						
NA0013		U	1.42						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	1.61	0.15	2.21	155.69%					
Animal Control	1.31	0.13	1.83	128.92%					
Crown Surface / Depressions / Rutting	0.36		0.36	25.36%					
Supplemental									
DWR UCIP Field Study					0.06	0.01			
Unit Totals:	3.28	0.28	4.40	309.98%	0.06	0.01	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2014 Levee Inspection Results

Merced Streams Group

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2014 Levee Inspection Results
Merced Streams Group**

Waterway			Bank	Unit Miles
Unit No. 01 Black Rascal Diversion			Right	1.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/23/2014 - 04/23/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	11/17/2014 11/17/2014	Herman Phillips

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_NA0013_01_s_2012_7				
Action/Comments					
Inspector Comments: The Merced County Streams Group has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_NA0013_01_s_2012_8				
Action/Comments					
Inspector Comments: There is a good storage of emergency supplies on hand.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_NA0013_01_s_2012_9				
Action/Comments					
Inspector Comments: Merced Streams Group send their crews to flood fight training yearly, making sure all have been prepared.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.01	Rating **	C	Issue No.	11
LM End	0.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314873 °	37.315853 °
				-120.396413 °	-120.396383 °
DWR ID	DWR_NA0013_01_s_2014_11				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	0.01	Rating **	C	Issue No.	6
LM End	0.22	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.314820 °	37.317840 °
				-120.396415 °	-120.396346 °
DWR ID	DWR_NA0013_01_s_2014_6				
Action/Comments					
Material Inspector Comments: District has cleaned out the main canal adjacent to the landside toe and has placed the dredged material along the landward bank to dry out.					

No Photos

LM Start	0.10	Rating **	M	Issue No.	1
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.316005 °	37.317802 °
				-120.396363 °	-120.396350 °
DWR ID	DWR_NA0013_01_f_2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_NA0013_331_1_20141125_00004.jpg



Black Rascal Creek looking downstream from waterside slope, there are weeds present on the 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.23	Rating **	C	Issue No.	3
LM End	0.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.317886 °	37.322510 °
				-120.396366 °	-120.396599 °
DWR ID	DWR_NA0013_01_s_2013_3				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	0.26	Rating **	C	Issue No.	14
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.318499 °	37.332241 °
				-120.396562 °	-120.394735 °
DWR ID	DWR_NA0013_01_s_2014_14				
Action/Comments					
Material					

No Photos

LM Start	0.55	Rating **	C	Issue No.	15
LM End	0.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.322473 °	37.323615 °
				-120.396604 °	-120.396635 °
DWR ID	DWR_NA0013_01_s_2014_15				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.59	Rating **	M	Issue No.	2
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.323017 °	37.325225 °
				-120.396615 °	-120.396647 °
DWR ID	DWR_NA0013_01_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.83	Rating **	C	Issue No.	16
LM End	0.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.326428 °	37.328004 °
				-120.396688 °	-120.396700 °
DWR ID	DWR_NA0013_01_s_2014_16				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	1.26	Rating **	M	Issue No.	4
LM End	1.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.332165 °	37.332165 °
				-120.394698 °	-120.394698 °
DWR ID	DWR_NA0013_01_f_2014_4				
Action/Comments					
Inspector Comments: This wire gate across the crown roadway needs to be replaced.					

No Photos

* 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	11/17/2014 11/17/2014	Herman Phillips

LM Start	1.27	Rating **	C	Issue No.	17
LM End	1.27	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.332313 °	37.332313 °
				-120.394750 °	-120.394746 °
DWR ID	DWR_NA0013_01_s_2014_17				
Action/Comments					
Material					

No Photos

* 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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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Merced Streams Group

Waterway			Bank	Unit Miles
Unit No. 02 Black Rascal Diversion			Left	1.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/23/2014 - 04/23/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	2
LM End	0.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.337034 °	37.337034 °
				-120.387422 °	-120.387422 °
DWR ID	DWR_NA0013_02_f_2012_2				
Action/Comments					
Pipe Inspector Comments: There is no CVFPB permit on record for this issue.					

Photo 1 of 2 : FA_2014_NA0013_332_2_20141119_00010.jpg



Black Rascal Creek Unit 2 looking downstream landside levee mile 0.00.

LM Start	0.00	Rating **	U	Issue No.	2 (cont)
LM End	0.00	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2014_NA0013_332_2_20141008_00002.jpg



There is no CVFPB permit on file for this installation. Photo taken 4-23-21014

LM Start	0.01	Rating **	M	Issue No.	3
LM End	0.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.337019 °	37.337019 °
				-120.387539 °	-120.387539 °
DWR ID	DWR_NA0013_02_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:21263					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs more investigations on this crossing. new water filtration plant on LS with pump and concrete vault. a concrete					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.03	Rating **	A	Issue No.	17
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336948 °	37.331243 °
				-120.387918 °	-120.394578 °
DWR ID	DWR_NA0013_02_f_2014_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.03	Rating **	A	Issue No.	16
LM End	1.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336948 °	37.317937 °
				-120.387918 °	-120.395733 °
DWR ID	DWR_NA0013_02_f_2014_16				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_NA0013_332_16_20141119_00011.jpg



Black Rascal Creek landside levee mile 0.00 looking downstream.

LM Start	0.05	Rating **	M	Issue No.	18
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.336790 °	37.331656 °
				-120.388135 °	-120.394289 °
DWR ID	DWR_NA0013_02_s_2014_18				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.05	Rating **	C	Issue No.	19
LM End	1.50	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.336739 °	37.320024 °
				-120.388190 °	-120.396005 °
DWR ID	DWR_NA0013_02_s_2014_19				
Action/Comments					
Agricultural tilling Inspector Comments: Chanel has been dredged and the material has been placed on the waterward berm.					

No Photos

LM Start	0.30	Rating **	M	Issue No.	6
LM End	0.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336006 °	37.336006 °
				-120.392011 °	-120.392011 °
DWR ID	DWR_NA0013_02_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:20933					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation cleaning on both sides.flap					
gate was not closed during field surveyinlet needs cleaning.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 8.0 feet below the crown, concrete headwall, flap					
gate, and concrete grouted cobble spillway on the waterward toe,					
concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	0.36	Rating **	M	Issue No.	20
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.335117 °	37.333553 °
				-120.392479 °	-120.393522 °
DWR ID	DWR_NA0013_02_s_2014_20				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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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**Flood Control Project Maintenance
Levee Inspections**

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Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.54	Rating **	M	Issue No.	10
LM End	0.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.333180 °	37.333180 °
				-120.394069 °	-120.394069 °
DWR ID	DWR_NA0013_02_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:20946					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation cleaning on both sides.flap gate was not properly closed during field survey.inlet needs cleaning.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	0.65	Rating **	C	Issue No.	23
LM End	0.65	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.331656 °	37.331656 °
				-120.394289 °	-120.394289 °
DWR ID	DWR_NA0013_02_s_2014_23				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.66	Rating **	M	Issue No.	21
LM End	1.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331617 °	37.323695 °
				-120.394290 °	-120.396052 °
DWR ID	DWR_NA0013_02_f_2014_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.70	Rating **	M	Issue No.	8
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.331107 °	37.327500 °
				-120.394673 °	-120.396098 °
DWR ID	DWR_NA0013_02_s_2012_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.75	Rating **	M	Issue No.	12
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.330525 °	37.330525 °
				-120.395132 °	-120.395132 °
DWR ID	DWR_NA0013_02_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:20992					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet pipe filled with debris, it needs cleaning half of inlet pipe buried.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.90	Rating **	U	Issue No.	24
LM End	0.90	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.328567 °	37.328567 °
				-120.396062 °	-120.396062 °
DWR ID	DWR_NA0013_02_s_2014_24				
Action/Comments					
Tree or limb					
Inspector Comments: Three fruit trees with irrigation system, stock pie of material (2) piles on the land side toe and rock pad placed n land side toe. Discovered during the fall 2014 inspection a structure has been installed on the landward levee slope and berm. No permit for these encroachments.					

Photo 1 of 3 : FA_2014_NA0013_332_24_20141008_00004.jpg



Unauthorized fruit trees planted on the landward toe. Photo taken 4-23-2014.

LM Start	0.90	Rating **	U	Issue No.	24 (cont)
LM End	0.90	Issue Type +	En	Location *	N/A

Photo 2 of 3 : FA_2014_NA0013_332_24_20141120_00012.jpg



Unauthorized encroachment placed on the landside shoulder and berm.

LM Start	0.90	Rating **	U	Issue No.	24 (cont)
LM End	0.90	Issue Type +	En	Location *	N/A

Photo 3 of 3 : FA_2014_NA0013_332_24_20141120_00014.jpg



Another view of unauthorized structure.

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	0.95	Rating **	M	Issue No.	7
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.327791 °	37.326354 °
				-120.396097 °	-120.396074 °
DWR ID	DWR_NA0013_02_f_2012_7				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.02	Rating **	M	Issue No.	1
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.326801 °	37.314669 °
				-120.396067 °	-120.395810 °
DWR ID	DWR_NA0013_02_s_2014_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.04	Rating **	C	Issue No.	25
LM End	1.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.326518 °	37.326518 °
				-120.396085 °	-120.396085 °
DWR ID	DWR_NA0013_02_s_2014_25				
Action/Comments					
Prunings					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	1.31	Rating **	M	Issue No.	26
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.322615 °	37.322615 °
				-120.395948 °	-120.395948 °
DWR ID					
Action/Comments					
Inspector Comments: 7/31/2014: Soil has been added near the site. More vegetation is visible.					
7/16/2013: The site was reported in the 2013 Spring Levee Inspection Reports. The erosion was caused by the water from the discharge line crossing the levee. Above the erosion a concrete discharge structure is present at the levee toe. The site is covered with dense vegetation.					
[2014 Site ID:NA0013U02RM1.31]					

Photo 1 of 1 : SJR2014_NA0013U02RM1.31_1.jpg



Looking down at the site.

LM Start	1.31	Rating **	M	Issue No.	14
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.322615 °	37.322615 °
				-120.395948 °	-120.395948 °
DWR ID	DWR_NA0013_02_s_2012_14				
Action/Comments					
Note and monitor erosion site. Inspector Comments: District needs to place riprap under this discharge line to prevent more erosion.					

No Photos

LM Start	1.35	Rating **	M	Issue No.	15
LM End	1.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.322212 °	37.320701 °
				-120.395620 °	-120.395767 °
DWR ID	DWR_NA0013_02_s_2012_15				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

* 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	1.47	Rating **	M	Issue No.	9
LM End	1.49	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.320518 °	37.320168 °
				-120.396029 °	-120.396011 °
DWR ID	DWR_NA0013_02_s_2013_9				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Crown roadway damage by vehicles traveling while roadway was wet.					

No Photos

LM Start	1.47	Rating **	M	Issue No.	22
LM End	1.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.320465 °	37.319523 °
				-120.396023 °	-120.396027 °
DWR ID	DWR_NA0013_02_f_2014_22				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	1.55	Rating **	M	Issue No.	11
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.319316 °	37.319316 °
				-120.396007 °	-120.396007 °
DWR ID	DWR_NA0013_02_s_2012_11				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	1.64	Rating **	M	Issue No.	13
LM End	1.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.318015 °	37.318015 °
				-120.395738 °	-120.395738 °
DWR ID	DWR_NA0013_02_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:20985					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs cleaning of debris on spillway on WS					
needs cleaning inside CMP on LS					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 8.0 feet below the crown, concrete headwall, flap					
gate, and concrete grouted cobble spillway on the waterward toe,					
concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	1.66	Rating **	N	Issue No.	4
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.317802 °	37.317802 °
				-120.395765 °	-120.395765 °
DWR ID	DWR_NA0013_02_s_2013_4				
Action/Comments					
Tree stumps.					

No Photos

LM Start	1.67	Rating **	M	Issue No.	27
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.317588 °	37.314669 °
				-120.395738 °	-120.395810 °
DWR ID	DWR_NA0013_02_f_2014_27				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	11/17/2014 11/17/2014	Herman Phillips

LM Start	1.67	Rating **	U	Issue No.	28
LM End	1.87	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.317588 °	37.314669 °
				-120.395738 °	-120.395810 °
DWR ID	DWR_NA0013_02_f_2014_28				
Action/Comments					
Keep the crown roadway free of vegetation. Inspector Comments: The crown roadway is overgrown with unwanted wild weeds.					

Photo 1 of 1 : FA_2014_NA0013_332_28_20141120_00013.jpg



Looking downstream from levee mile 1.67 to levee mile 1.87.

* 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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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2014 Levee Inspection Results
Merced Streams Group**

Waterway			Bank	Unit Miles
Unit No. 03 Owens Creek Diversion			Right	1.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/23/2014 - 04/23/2014		11/18/2014 - 11/18/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	20
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.257731 °	37.259965 °
				-120.288546 °	-120.288560 °
DWR ID	DWR_NA0013_03_s_2014_20				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	0.01	Rating **	U	Issue No.	21
LM End	0.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257731 °	37.266833 °
				-120.288546 °	-120.287558 °
DWR ID	DWR_NA0013_03_s_2014_21				
Action/Comments					
Keep the crown roadway free of vegetation.					
Inspector Comments: Crown roadway shall be free of vegetation.					

Photo 1 of 1 : FA_2014_NA0013_333_21_20141121_00016.jpg



Looking upstream at crown roadway levee mile 0.01.

LM Start	0.01	Rating **	C	Issue No.	22
LM End	1.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257733 °	37.271980 °
				-120.288546 °	-120.282279 °
DWR ID	DWR_NA0013_03_s_2014_22				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.01	Rating **	C	Issue No.	23
LM End	1.18	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.257734 °	37.272370 °
				-120.288546 °	-120.281539 °
DWR ID	DWR_NA0013_03_s_2014_23				
Action/Comments					
Agricultural tilling					

No Photos

LM Start	0.01	Rating **	M	Issue No.	18
LM End	0.43	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257727 °	37.263430 °
				-120.288473 °	-120.288632 °
DWR ID	DWR_NA0013_03_f_2014_18				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	0.02	Rating **	M	Issue No.	19
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257902 °	37.258553 °
				-120.288348 °	-120.288498 °
DWR ID	DWR_NA0013_03_f_2014_19				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.02	Rating **	A	Issue No.	24
LM End	1.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257902 °	37.271980 °
				-120.288348 °	-120.282280 °
DWR ID	DWR_NA0013_03_f_2014_24				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The growth on the waterside slope at this location is acceptable.					

Photo 1 of 1 : FA_2014_NA0013_333_24_20141121_00018.jpg



Looking downstream from levee mile 0.02 at the waterward slope no wild growth present.

LM Start	0.13	Rating **	M	Issue No.	28
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.259383 °	37.260410 °
				-120.288545 °	-120.288557 °
DWR ID	DWR_NA0013_03_f_2014_28				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	0.18	Rating **	M	Issue No.	11
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.260055 °	37.260055 °
				-120.288545 °	-120.288545 °
DWR ID	DWR_NA0013_03_s_2013_11				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.26	Rating **	M	Issue No.	25
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.261205 °	37.261205 °
				-120.288550 °	-120.288550 °
DWR ID	DWR_NA0013_03_s_2014_25				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.40	Rating **	U	Issue No.	4
LM End	0.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263182 °	37.263182 °
				-120.288239 °	-120.288239 °
DWR ID	DWR_NA0013_03_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:21043					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - abandoned.debris blocked inlet pipe on LS.					
Needs to be cleared on both sides or it needs to be abandoned properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 10.0 feet below the crown, concrete headwall, flap					
gate, and concrete grouted cobble spillway on the waterward toe,					
concrete headwall on the landward toe (O&M Unit No. 607, 1962					
FS Date: 9/17/2013					

No Photos

LM Start	0.45	Rating **	M	Issue No.	13
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263951 °	37.264101 °
				-120.288472 °	-120.288474 °
DWR ID	DWR_NA0013_03_s_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.49	Rating **	U	Issue No.	27
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.264472 °	37.267925 °
				-120.288464 °	-120.286572 °
DWR ID	DWR_NA0013_03_f_2014_27				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The broadleaf taking over the landside need to be sprayed.					

Photo 1 of 1 : FA_2014_NA0013_333_27_20141121_00019.jpg



Looking upstreram landside broadleaf starting to take over slope.

LM Start	0.56	Rating **	M	Issue No.	3
LM End	0.62	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.265460 °	37.266225 °
				-120.288447 °	-120.287980 °
DWR ID	DWR_NA0013_03_f_2012_3				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	0.59	Rating **	M	Issue No.	6
LM End	0.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265894 °	37.265894 °
				-120.288295 °	-120.288295 °
DWR ID	DWR_NA0013_03_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:21068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing and cleaning on inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	5
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.267714 °	37.267714 °
				-120.286717 °	-120.286717 °
DWR ID	DWR_NA0013_03_f_2012_5				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.80	Rating **	M	Issue No.	10
LM End	0.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID	DWR_NA0013_03_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:21069					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on WS.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	0.82	Rating **	U	Issue No.	30
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.268618 °	37.269137 °
				-120.286025 °	-120.285647 °
DWR ID	DWR_NA0013_03_f_2014_30				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the wild tall weeds form the landward slope.					

Photo 1 of 1 : FA_2014_NA0013_333_30_20141121_00020.jpg



Levee mile 0.82 to 0.86 wild tall weeds present on 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.82	Rating **	M	Issue No.	29
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.268712 °	37.269115 °
				-120.285962 °	-120.285613 °
DWR ID	DWR_NA0013_03_f_2014_29				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.99	Rating **	U	Issue No.	31
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.270665 °	37.270665 °
				-120.284330 °	-120.284330 °
DWR ID	DWR_NA0013_03_f_2014_31				
Action/Comments					
Inspector Comments: Remove the earthen dam placed across the channel.					

Photo 1 of 1 : FA_2014_NA0013_333_31_20141121_00021.jpg



Earthen dam placed across the channel.

LM Start	0.99	Rating **	M	Issue No.	32
LM End	1.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.270673 °	37.270828 °
				-120.284307 °	-120.284140 °
DWR ID	DWR_NA0013_03_f_2014_32				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	1.03	Rating **	M	Issue No.	12
LM End	1.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID	DWR_NA0013_03_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:21070					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - vegetations need to be removed from spillway and outlet. It needs clearing more than half of inlet pipe was buried in inlet. It needs cleaning & clearing.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	1.11	Rating **	U	Issue No.	9
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.271737 °	37.272498 °
				-120.282642 °	-120.280511 °
DWR ID	DWR_NA0013_03_f_2012_9				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: This levee section has a history of rodent problems that has been known for many years. There should be bait stations in place in these infested areas.					

Photo 1 of 1 : FA_2014_NA0013_333_9_20141008_00007.jpg



Levee slope taken over by rodents, levee mile 1.11-1.24. Photo taken 4-23-2014.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	1.17	Rating **	M	Issue No.	16
LM End	1.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272193 °	37.272193 °
				-120.281805 °	-120.281805 °
DWR ID	DWR_NA0013_03_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:21063					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet inlet pipe needs clearing and cleaning on landside.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	1.20	Rating **	M	Issue No.	970
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272444 °	37.272444 °
				-120.281282 °	-120.281282 °
DWR ID	DWR_NA0013_03_s_2012_970				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.21	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272510 °	37.272860 °
				-120.281043 °	-120.280287 °
DWR ID	DWR_NA0013_03_s_2013_15				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	1.21	Rating **	M	Issue No.	14
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272510 °	37.272860 °
				-120.281042 °	-120.280287 °
DWR ID	DWR_NA0013_03_s_2013_14				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.23	Rating **	M	Issue No.	971
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272553 °	37.272553 °
				-120.280742 °	-120.280742 °
DWR ID	DWR_NA0013_03_s_2012_971				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.24	Rating **	M	Issue No.	8
LM End	1.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272584 °	37.272584 °
				-120.280543 °	-120.280543 °
DWR ID	DWR_NA0013_03_s_2012_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: This unit is maintained as far as the vegetation is concerned, however there is a problem with the rodents. The District should have bait stations throughout the area where rodents are present.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	1.25	Rating **	M	Issue No.	7
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272707 °	37.273379 °
				-120.280334 °	-120.279976 °
DWR ID	DWR_NA0013_03_s_2012_7				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: The District needs to be more aggressive in their efforts of controlling the ground rodents. There should be some bait stations placed in infected areas.					

Photo 1 of 1 : FA_2014_NA0013_333_7_20141121_00022.jpg



Looking at the rodent holes at the levee slope. Levee mile 1.25-1.30.

LM Start	1.28	Rating **	M	Issue No.	17
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273082 °	37.273082 °
				-120.280288 °	-120.280288 °
DWR ID	DWR_NA0013_03_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:21064					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.needs clearing and cleaning of silt deposited inside of the pipe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962					
FS Date: 9/17/2013					

No Photos

LM Start	1.31	Rating **	M	Issue No.	26
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273370 °	37.273370 °
				-120.280031 °	-120.280030 °
DWR ID	DWR_NA0013_03_s_2014_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	11/18/2014 11/18/2014	Herman Phillips

LM Start	1.40	Rating **	M	Issue No.	33
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273537 °	37.273627 °
				-120.278290 °	-120.277823 °
DWR ID	DWR_NA0013_03_f_2014_33				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Merced Streams Group

Waterway			Bank	Unit Miles
Unit No. 04 Owens Creek Diversion			Left	1.42
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/23/2014 - 04/23/2014		11/18/2014 - 11/18/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	25
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273335 °	37.273335 °
				-120.277850 °	-120.277850 °
DWR ID	DWR_NA0013_04_f_2014_25				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.00	Rating **	C	Issue No.	5
LM End	0.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273319 °	37.273231 °
				-120.277838 °	-120.279837 °
DWR ID	DWR_NA0013_04_f_2014_5				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	26
LM End	1.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273335 °	37.262058 °
				-120.277847 °	-120.288098 °
DWR ID	DWR_NA0013_04_f_2014_26				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.01	Rating **	C	Issue No.	7
LM End	0.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273082 °	37.273231 °
				-120.277984 °	-120.279840 °
DWR ID	DWR_NA0013_04_s_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.06	Rating **	M	Issue No.	6
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.273335 °	37.273335 °
				-120.277752 °	-120.277752 °
DWR ID	DWR_NA0013_04_f_2012_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.06	Rating **	M	Issue No.	33
LM End	0.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273338 °	7.272283 °
				-120.278822 °	-121.280870 °
DWR ID	DWR_NA0013_04_s_2014_33				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.06	Rating **	C	Issue No.	32
LM End	0.30	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.273338 °	37.271653 °
				-120.278822 °	-121.282169 °
DWR ID	DWR_NA0013_04_s_2014_32				
Action/Comments					
Agricultural tilling					
Inspector Comments: All material has been removed from the shoulder.					

No Photos

LM Start	0.11	Rating **	M	Issue No.	9
LM End	0.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID	DWR_NA0013_04_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:21246					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on both sides inlet and outlet need silt clearing and cleaning.					

No Photos

LM Start	0.12	Rating **	M	Issue No.	10
LM End	0.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.273070 °	37.272466 °
				-120.279985 °	-120.280214 °
DWR ID	DWR_NA0013_04_s_2012_10				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.17	Rating **	M	Issue No.	34
LM End	1.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.272495 °	°
				-120.280193 °	°
DWR ID	DWR_NA0013_04_s_2014_34				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.17	Rating **	M	Issue No.	15
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272477 °	37.272103 °
				-120.280222 °	-120.281465 °
DWR ID	DWR_NA0013_04_s_2013_15				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.18	Rating **	M	Issue No.	1
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272429 °	37.272429 °
				-120.280251 °	-120.280251 °
DWR ID	DWR_NA0013_04_s_2012_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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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Merced Streams Group

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.23	Rating **	M	Issue No.	31
LM End	0.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272219 °	37.272219 °
				-120.281157 °	-120.281157 °
DWR ID	DWR_NA0013_04_s_2012_31				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.23	Rating **	M	Issue No.	17
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272157 °	37.272029 °
				-120.281152 °	-120.281500 °
DWR ID	DWR_NA0013_04_f_2012_17				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.25	Rating **	M	Issue No.	21
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272081 °	37.265389 °
				-120.281483 °	-120.288041 °
DWR ID	DWR_NA0013_04_s_2012_21				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

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. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.32	Rating **	M	Issue No.	11
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271495 °	37.271495 °
				-120.282452 °	-120.282452 °
DWR ID	DWR_NA0013_04_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:21105					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on waterside inlet on landside needs clearing.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	0.36	Rating **	C	Issue No.	35
LM End	0.36	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.271151 °	37.271151 °
				-120.283154 °	-120.283154 °
DWR ID	DWR_NA0013_04_s_2014_35				
Action/Comments					
Pipe					
Inspector Comments: Unauthorized irrigation pipe crossing levee section blocking access. Portable HP pump on water side shoulder.					

No Photos

LM Start	0.45	Rating **	M	Issue No.	28
LM End	1.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.270375 °	37.262058 °
				-120.284205 °	-120.288098 °
DWR ID	DWR_NA0013_04_f_2014_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.45	Rating **	M	Issue No.	13
LM End	0.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.270318 °	37.270318 °
				-120.284222 °	-120.284222 °
DWR ID	DWR_NA0013_04_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:21106 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - vegetations clearing on spillway area. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

No Photos

LM Start	0.48	Rating **	M	Issue No.	22
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.270016 °	37.269254 °
				-120.284539 °	-120.285127 °
DWR ID	DWR_NA0013_04_s_2012_22				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.50	Rating **	M	Issue No.	2
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.269709 °	37.269709 °
				-120.284712 °	-120.284712 °
DWR ID	DWR_NA0013_04_s_2012_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.59	Rating **	M	Issue No.	14
LM End	0.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID	DWR_NA0013_04_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:21124					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on both levee sides.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

No Photos

LM Start	0.60	Rating **	M	Issue No.	12
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.268544 °	37.262887 °
				-120.285738 °	-120.287889 °
DWR ID	DWR_NA0013_04_s_2012_12				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	0.82	Rating **	M	Issue No.	16
LM End	0.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID	DWR_NA0013_04_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:21126					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on waterside.concrete spillway on waterside.the drainage was working during field survey.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962					
FS Date: 9/17/2013					

No Photos

LM Start	0.87	Rating **	U	Issue No.	29
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.265188 °	37.263963 °
				-120.288058 °	-120.288050 °
DWR ID	DWR_NA0013_04_f_2014_29				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: District need to place bait stations along infested areas of the levee section where activiity is high.					

Photo 1 of 1 : FA_2014_NA0013_334_29_20141121_00023.jpg



Looking downstream from levee mile 0.87 down to levee mile 0.95 lots of active rodent holes present on slope.

LM Start	0.93	Rating **	M	Issue No.	36
LM End	0.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.264325 °	37.264325 °
				-120.288038 °	-120.288038 °
DWR ID	DWR_NA0013_04_s_2012_36				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	1.03	Rating **	M	Issue No.	18
LM End	1.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.262920 °	37.257759 °
				-120.287842 °	-120.287956 °
DWR ID	DWR_NA0013_04_s_2012_18				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	1.09	Rating **	M	Issue No.	20
LM End	1.09	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID	DWR_NA0013_04_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:21210					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs clearing on both inlet and outlet. needs					
vegetations clearing on spillway on waterside and inlet on landside.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 10.0 feet below the crown, concrete headwall, flap					
gate, and concrete grouted cobble spillway on the waterward toe,					
concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

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. 04 Owens Creek Diversion	Left	1.42	11/18/2014 11/18/2014	Herman Phillips

LM Start	1.22	Rating **	U	Issue No.	23
LM End	1.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260250 °	37.260250 °
				-120.288141 °	-120.288141 °
DWR ID	DWR_NA0013_04_f_2014_23				

No Photos

Action/Comments					
Inspector Comments: FS_ID:21244					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - significant levee crown and slope cracks along the pipe. Detailed investigation required.inlet pipe burried on landside. Needs removal of silts. Needs clearing and cleaning.half of outlet pipe burried. Needs clearing and removal of vegetations and silts.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

*** 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