

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 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	3.39		3.39	53.75%				
Encroachments						0.02		
Repair Gates	0.01		0.01	0.16%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.18	0.03		
<i>LMA Totals:</i>	3.40	0.00	3.40	53.91%	0.18	0.05	0.00	0.00
Unit No. 01 Black Rascal Diversion RB	Overall Unit Rating	Total Unit Miles						
NA0013	U	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	1.70		1.70	105.38%				
Repair Gates	0.01		0.01	0.62%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	1.71	0.00	1.71	106.00%	0.01	0.00	0.00	0.00
Unit No. 02 Black Rascal Diversion LB	Overall Unit Rating	Total Unit Miles						
NA0013	A	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>								
Encroachments						0.02		
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.01		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.04	0.03	0.00	0.00
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
<i>Earthen Levee</i>								
Vegetation	0.82		0.82	57.54%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.06	0.01		
<i>Unit Totals:</i>	0.82	0.00	0.82	57.54%	0.06	0.01	0.00	0.00

**Flood Control Project Maintenance
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Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

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	
<i>Earthen Levee</i>									
Vegetation	0.87		0.87	61.29%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.07	0.01			
<i>Unit Totals:</i>	0.87	0.00	0.87	61.29%	0.07	0.01	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 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 2015 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)			U	
Date of Inspection	05/04/2015 - 05/04/2015		10/20/2015 - 10/20/2015	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Mike Walejko Merced Co. Irrigation District			

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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/20/2015 10/20/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				o
					o
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 *	CR	
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 *	CR	
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 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314698 °	37.319278 °
				-120.396397 °	-120.396582 °
DWR ID	DWR_NA0013_01_f_2015_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No unwanted vegetation on the levee slopes.					

Photo 1 of 1 : FA_2015_NA0013_331_1_20151020_00001.jpg



Black Rascal Creek looking downstream from levee mile 0.00 waterside slope.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314698 °	37.321980 °
				-120.396397 °	-120.396588 °
DWR ID	DWR_NA0013_01_f_2015_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No unwanted vegetation on the landside slope.					

Photo 1 of 1 : FA_2015_NA0013_331_2_20151020_00002.jpg



Black Rascal Creek looking downstream from the landside levee slope.

LM Start	0.33	Rating **	M	Issue No.	3
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.319347 °	37.332520 °
				-120.396585 °	-120.394767 °
DWR ID	DWR_NA0013_01_f_2015_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Vegetation here has been sprayed however the dead brush remains on the 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.51	Rating **	M	Issue No.	5
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.332520 °
					° -120.394767 °
DWR ID	DWR_NA0013_01_f _ 2015_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Johnson grass present on the shoulder, pears to be sprayed however all hasn't been killed and still remains on the levee section.					

No Photos

LM Start	1.24	Rating **	M	Issue No.	4
LM End	1.24	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.					

Photo 1 of 1 : FA_2015_NA0013_331_4_20151020_00003.jpg



This wire gate needs replacing, it poses a safety hazard.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.29	Rating **	M	Issue No.	10
LM End	1.29	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.332805 °	37.332805 °
				-120.394906 °	-120.394906 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41672 DS_ID:23079 EP_NO: N/A FS_HLM: 1.305 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Verify Pipe is abandoned or still intact.- may be this crossing was abandoned/removed during recent levee reconstruction.- no signs of pipe and appurtenances on waterside.- only a CM pipe riser with slide gate found on landside. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 10.0 feet below the crown, riser on the landward side, concrete headwall and cobble spillway on the landward toe, screw gate in a 48-inch pipe well on the waterward slope, concrete headwall on the waterward toe (O&M Unit No. 607, 1962) FS Date: 09/17/2013					

LM Start	1.29	Rating **	M	Issue No.	10 (cont)
LM End	1.29	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_1606.jpg



LS view: inside view of CM pipe riser with slide gate.

Photo 2 of 3 : UCIP_FA_2015_1607.jpg



LS view: overview of CM pipe riser with slide gate. Dense vegetation on landside.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.29	Rating **	M	Issue No.	10 (cont)
LM End	1.29	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.332805 °	37.332805 °
				-120.394906 °	-120.394906 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41672					
DS_ID:23079					
EP_NO: N/A					
FS_HLM: 1.305					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_1608.jpg



WS view: no signs of pipe and appurtenances on levee slope and channel bank.

* 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 2015 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)			A	
Date of Inspection	05/04/2015 - 05/04/2015		10/20/2015 - 10/20/2015	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

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- a) completion of the inspection
- b) any changes other than the results of normal maintenance
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	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. Merced County Flood Control is aware of this issue.					

Photo 1 of 2 : FA_2015_NA0013_332_2_20151020_00013.jpg



This filtration has no CVFPB Permit.

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

Photo 2 of 2 : FA_2015_NA0013_332_2_20150915_00002.jpg



There is no CVFPB permit on file for this installation. Photo taken 4-23-2014

LM Start	0.01	Rating **	A	Issue No.	16
LM End	0.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.337022 °	37.331307 °
				-120.387448 °	-120.394517 °
DWR ID	DWR_NA0013_02_f_2015_16				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No unwanted vegetation on the landside levee slope.					

Photo 1 of 1 : FA_2015_NA0013_332_16_20151020_00014.jpg



Black Rascal Creek looking downstream from levee mile 0.01.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	17
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.337022 °	
				-120.387448 °	
DWR ID	DWR_NA0013_02_f _ 2015_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.01	Rating **	M	Issue No.	29
LM End	0.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.337019 °	37.337019 °
				-120.387539 °	-120.387539 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:21263 DS_ID:23052 EP_NO: N/A FS_HLM: 0.01 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 standpipe and CM pipe riser on WS. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 5.0 feet below the crown, riser on the landward side, screw gate in a 36-inch pipe well on the waterward slope (O&M Unit No. 607, 1962) FS Date: 09/17/2013					

Photo 1 of 3 : UCIP_FA_2015_1568.jpg



WS view: inside view of CMP standpipe with slide gate.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	29 (cont)
LM End	0.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.337019 °	37.337019 °
				-120.387539 °	-120.387539 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:21263
 DS_ID:23052
 EP_NO: N/A
 FS_HLM: 0.01
 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 standpipe and CM pipe riser on WS.
 FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 5.0 feet below the crown, riser on the landward side, screw gate in a 36-inch pipe well on the waterward slope (O&M Unit No. 607, 1962)
 FS Date: 09/17/2013

LM Start	0.01	Rating **	M	Issue No.	29 (cont)
LM End	0.01	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_1569.jpg



WS view: concrete standpipe (left) and CMP standpipe (right).

Photo 3 of 3 : UCIP_FA_2015_1578.jpg



WS view: concrete standpipe with water ponding at its base.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.05	Rating **	C	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

LM Start	0.29	Rating **	U	Issue No.	30
LM End	0.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336006 °	37.336006 °
				-120.392011 °	-120.392011 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41261 DS_ID:23053 EP_NO: N/A FS_HLM: 0.296 Repair Type: Urgent Crossing Status: Found UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet 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: 09/17/2013					

Photo 1 of 2 : UCIP_FA_2015_1702.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not closed. Vegetation needs to be cleared.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.29	Rating **	U	Issue No.	30 (cont)	
LM End	0.29	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.336006 °	37.336006 °	
				-120.392011 °	-120.392011 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:41261 DS_ID:23053 EP_NO: N/A FS_HLM: 0.296 Repair Type: Urgent Crossing Status: Found UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet 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: 09/17/2013						

Photo 2 of 2 : UCIP_FA_2015_1703.jpg



WS view: cobble spillway and channel on waterside.

LM Start	0.54	Rating **	M	Issue No.	31
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					
Action/Comments					
Inspector Comments: FS_ID:20946					
DS_ID:23054					
EP_NO: N/A					
FS_HLM: 0.5444					
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: 09/17/2013					

Photo 1 of 3 : UCIP_FA_2015_1775.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.54	Rating **	M	Issue No.	31 (cont)
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					

Action/Comments

Inspector Comments: FS_ID:20946
 DS_ID:23054
 EP_NO: N/A
 FS_HLM: 0.5444
 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: 09/17/2013

LM Start	0.54	Rating **	M	Issue No.	31 (cont)
LM End	0.54	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_1776.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not properly closed.

Photo 3 of 3 : UCIP_FA_2015_1777.jpg



WS view: cobble spillway and channel on waterside.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	32
LM End	0.74	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					
Action/Comments					
Inspector Comments: FS_ID:20992 DS_ID:23055 EP_NO: N/A FS_HLM: 0.747 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	0.74	Rating **	M	Issue No.	32 (cont)
LM End	0.74	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_1952.jpg



LS view: concrete headwall and CM pipe. Half of inlet pipe buried.

Photo 2 of 3 : UCIP_FA_2015_2056.jpg



WS view: debris and mud deposited from the channel cleaning. It needs to be cleared from spillway and outlet structure.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	32 (cont)	
LM End	0.74	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						
Action/Comments						
Inspector Comments: FS_ID:20992						
DS_ID:23055						
EP_NO: N/A						
FS_HLM: 0.747						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_2057.jpg



WS view: concrete headwall and CM pipe buried under debris and mud.

LM Start	0.88	Rating **	U	Issue No.	24
LM End	0.88	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 pile of material (2) piles on the land side toe and rock pad placed on 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 2 : FA_2015_NA0013_332_24_20150915_00004.jpg



Another view of unauthorized structure.

LM Start	0.88	Rating **	U	Issue No.	24 (cont)
LM End	0.88	Issue Type +	En	Location *	N/A

Photo 2 of 2 : FA_2015_NA0013_332_24_20150915_00005.jpg



Unauthorized encroachment placed on the landside shoulder and berm.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.94	Rating **	C	Issue No.	7
LM End	1.04	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	1.01	Rating **	C	Issue No.	1
LM End	1.85	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	1.29	Rating **	C	Issue No.	3
LM End	1.29	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: 09/03/2015: The ersion site has been repaired, and vegetation has been removed. Minor erosion is still visible at the lower bank slope near the discharge structure. 7/31/2014: Soil has been added near the site and 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. [2015 Site ID:NA0013U02RM1.31]					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.29	Rating **	C	Issue No.	14
LM End	1.29	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	1.32	Rating **	C	Issue No.	15
LM End	1.43	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

LM Start	1.44	Rating **	C	Issue No.	9
LM End	1.46	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

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.44	Rating **	C	Issue No.	22
LM End	1.51	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	1.52	Rating **	C	Issue No.	11
LM End	1.52	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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.61	Rating **	M	Issue No.	33
LM End	1.61	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					
Action/Comments					
Inspector Comments: FS_ID:42993					
DS_ID:23058					
EP_NO: N/A					
FS_HLM: 1.641					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs cleaning of debris on spillway on WS.					
Flapgate blocked by debris 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: 09/17/2013					

Photo 1 of 2 : UCIP_FA_2015_1950.jpg



WS view: U typed concrete headwall, CM pipe and flap gate. Vegetation and debris need to be cleared.

LM Start	1.61	Rating **	M	Issue No.	33 (cont)
LM End	1.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2015_1951.jpg



WS view: overview of outlet area and channel. Debris and vegetations on spillway.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.63	Rating **	C	Issue No.	4
LM End	1.63	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	1.64	Rating **	C	Issue No.	28
LM End	1.85	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.					

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 2015 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	05/04/2015 - 05/04/2015		10/20/2015 - 10/20/2015	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Mike Walejko MID			

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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.00	Rating **	C	Issue No.	20
LM End	0.16	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	0.00	Rating **	C	Issue No.	21
LM End	0.65	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.					

No Photos

LM Start	0.01	Rating **	A	Issue No.	17
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257730 °	37.273627 °
				-120.288435 °	-120.277820 °
DWR ID	DWR_NA0013_03_f _ 2015_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The Maintaining Agency has done a great job clearing the slope of unwanted vegetation.					

Photo 1 of 1 : FA_2015_NA0013_333_17_20151020_00013.jpg



Owens Creek looking downstream from levee mile 0.00 waterside slope.

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

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	16
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257730 °	37.273645 °
				-120.288435 °	-120.277778 °
DWR ID	DWR_NA0013_03_f _ 2015_16				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.12	Rating **	C	Issue No.	28
LM End	0.19	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	0.17	Rating **	C	Issue No.	11
LM End	0.17	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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.19	Rating **	M	Issue No.	972
LM End	0.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260355 °	37.260355 °
				-120.288517 °	-120.288517 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:41815
 DS_ID:23060
 EP_NO: N/A
 FS_HLM: 0.2
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: - more than a half of inlet pipe buried on LS. - needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning.
 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: 09/17/2013

LM Start	0.19	Rating **	M	Issue No.	972 (cont)
LM End	0.19	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_1513.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning and silt removed.

Photo 2 of 3 : UCIP_FA_2015_1514.jpg



WS view: Silt needs to be removed. Vegetations needs to be cleared.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.19	Rating **	M	Issue No.	972 (cont)
LM End	0.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260355 °	37.260355 °
				-120.288517 °	-120.288517 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41815					
DS_ID:23060					
EP_NO: N/A					
FS_HLM: 0.2					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1515.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

LM Start	0.25	Rating **	C	Issue No.	25
LM End	0.25	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

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.39	Rating **	U	Issue No.	973
LM End	0.39	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					

Action/Comments

Inspector Comments: FS_ID:42989
 DS_ID:23061
 EP_NO: N/A
 FS_HLM: 0.399
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Appears to be abandoned. Flapgate blocked by debris.- 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: 09/17/2013

LM Start	0.39	Rating **	U	Issue No.	973 (cont)
LM End	0.39	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_2071.jpg



LS view: Debris dumped on onlet structure. Needs to be cleared or abandoned properly.

Photo 2 of 3 : UCIP_FA_2015_2072.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Damaged flap gate.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.39	Rating **	U	Issue No.	973 (cont)
LM End	0.39	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					
Action/Comments					
Inspector Comments: FS_ID:42989 DS_ID:23061 EP_NO: N/A FS_HLM: 0.399 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2073.jpg



WS view: U typed concrete headwall, cobble spillway, and channel on waterside.

LM Start	0.40	Rating **	M	Issue No.	18
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263363 °	37.265958 °
				-120.288308 °	-120.288250 °
DWR ID	DWR_NA0013_03_f_2015_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.55	Rating **	C	Issue No.	3
LM End	0.61	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

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.58	Rating **	M	Issue No.	974
LM End	0.58	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					
Action/Comments					
Inspector Comments: FS_ID:21068 DS_ID:23062 EP_NO: N/A FS_HLM: 0.59 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: 09/17/2013					

Photo 1 of 2 : UCIP_FA_2015_1516.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

LM Start	0.58	Rating **	M	Issue No.	974 (cont)
LM End	0.58	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2015_1517.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope.

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

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.58	Rating **	M	Issue No.	13
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.265933 °	37.272580 °
				-120.288187 °	-120.280607 °
DWR ID	DWR_NA0013_03_f _ 2015_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.73	Rating **	C	Issue No.	5
LM End	0.73	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

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.79	Rating **	M	Issue No.	975
LM End	0.79	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					

Action/Comments

Inspector Comments: FS_ID:21069
 DS_ID:23063
 EP_NO: N/A
 FS_HLM: 0.8
 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: 09/17/2013

LM Start	0.79	Rating **	M	Issue No.	975 (cont)
LM End	0.79	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_1518.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 2 of 2 : UCIP_FA_2015_1519.jpg



WS view: overview of spillway/outlet area on waterside.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.02	Rating **	M	Issue No.	976
LM End	1.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42992					
DS_ID:23064					
EP_NO: N/A					
FS_HLM: 1.032					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.02	Rating **	M	Issue No.	976 (cont)
LM End	1.02	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_1520.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing &

Photo 2 of 3 : UCIP_FA_2015_1521.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.02	Rating **	M	Issue No.	976 (cont)
LM End	1.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42992					
DS_ID:23064					
EP_NO: N/A					
FS_HLM: 1.032					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1522.jpg



WS view: cobble spillway and channel on waterside.

LM Start	1.15	Rating **	M	Issue No.	977
LM End	1.15	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					
Action/Comments					
Inspector Comments: FS_ID:21063 DS_ID:23065 EP_NO: N/A FS_HLM: 1.1651 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: 09/17/2013					

Photo 1 of 3 : UCIP_FA_2015_1641.jpg



LS view: closer view of CM pipe. Inlet needs cleaning & clearing.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.15	Rating **	M	Issue No.	977 (cont)
LM End	1.15	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					

Action/Comments

Inspector Comments: FS_ID:21063
 DS_ID:23065
 EP_NO: N/A
 FS_HLM: 1.1651
 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: 09/17/2013

LM Start	1.15	Rating **	M	Issue No.	977 (cont)
LM End	1.15	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_1643.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

Photo 3 of 3 : UCIP_FA_2015_1644.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate buried under mud/debris.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.20	Rating **	C	Issue No.	15
LM End	1.25	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

LM Start	1.21	Rating **	C	Issue No.	971
LM End	1.21	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	1.22	Rating **	C	Issue No.	8
LM End	1.22	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 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.24	Rating **	C	Issue No.	7
LM End	1.29	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: During the Fall inspection is the Owens Creek Unit 3 inspection did not see any rodents.					

No Photos

LM Start	1.26	Rating **	M	Issue No.	978
LM End	1.26	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					
Action/Comments					
Inspector Comments: FS_ID:21064 DS_ID:23066 EP_NO: N/A FS_HLM: 1.2815 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: 09/17/2013					

Photo 1 of 3 : UCIP_FA_2015_1510.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.26	Rating **	M	Issue No.	978 (cont)
LM End	1.26	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					
Action/Comments					
Inspector Comments: FS_ID:21064 DS_ID:23066 EP_NO: N/A FS_HLM: 1.2815 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: 09/17/2013					

Photo 2 of 3 : UCIP_FA_2015_1511.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

LM Start	1.26	Rating **	M	Issue No.	978 (cont)
LM End	1.26	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_1512.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope and spillway.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.39	Rating **	C	Issue No.	33
LM End	1.41	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 2015 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	05/04/2015 - 05/04/2015		10/20/2015 - 10/20/2015	
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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.00	Rating **	C	Issue No.	6
LM End	0.00	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	0.01	Rating **	A	Issue No.	14
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273325 °	37.257665 °
				-120.277813 °	-120.287995 °
DWR ID	DWR_NA0013_04_f_2015_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.01	Rating **	A	Issue No.	16
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273325 °	37.257472 °
				-120.277813 °	-120.288155 °
DWR ID	DWR_NA0013_04_f_2015_16				
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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.06	Rating **	C	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

LM Start	0.11	Rating **	M	Issue No.	37
LM End	0.11	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42991					
DS_ID:23068					
EP_NO: N/A					
FS_HLM: 0.105					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning.					
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: 09/17/2013					

Photo 1 of 3 : UCIP_FA_2015_1565.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.11	Rating **	M	Issue No.	37 (cont)
LM End	0.11	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42991
 DS_ID:23068
 EP_NO: N/A
 FS_HLM: 0.105
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning.
 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: 09/17/2013

LM Start	0.11	Rating **	M	Issue No.	37 (cont)
LM End	0.11	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_1566.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.
 Vegetation and silt need to be cleared.

Photo 3 of 3 : UCIP_FA_2015_1567.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.13	Rating **	C	Issue No.	10
LM End	0.18	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

LM Start	0.18	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	0.18	Rating **	C	Issue No.	8
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272429 °	37.272380 °
				-120.280250 °	-120.280360 °
DWR ID	DWR_NA0013_04_f _ 2012_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There should be bait stations placed along the infested areas.					

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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.18	Rating **	M	Issue No.	38
LM End	0.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272437 °	37.272437 °
				-120.280260 °	-120.280260 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42990					
DS_ID:23069					
EP_NO: N/A					
FS_HLM: 0.178					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	0.18	Rating **	M	Issue No.	38 (cont)
LM End	0.18	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_1178.jpg



LS view: inside view of CM pipe. Inlet pipe needs clearing.

Photo 2 of 3 : UCIP_FA_2015_1179.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.18	Rating **	M	Issue No.	38 (cont)
LM End	0.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272437 °	37.272437 °
				-120.280260 °	-120.280260 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42990 DS_ID:23069 EP_NO: N/A FS_HLM: 0.178 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1564.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

LM Start	0.19	Rating **	C	Issue No.	27
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.272382 °	37.271318 °
				-120.280373 °	-120.282742 °
DWR ID	DWR_NA0013_04_f_2014_27				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the unwanted wild growth from the waterward slope.					

No Photos

LM Start	0.23	Rating **	C	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

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.24	Rating **	C	Issue No.	17
LM End	0.26	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 **	C	Issue No.	21
LM End	0.85	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 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.32	Rating **	M	Issue No.	39
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					

Action/Comments					
Inspector Comments: FS_ID:21105 DS_ID:23070 EP_NO: N/A FS_HLM: 0.3189 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: 09/17/2013					

LM Start	0.32	Rating **	M	Issue No.	39 (cont)
LM End	0.32	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_2047.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

Photo 2 of 3 : UCIP_FA_2015_2048.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.32	Rating **	M	Issue No.	39 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:21105 DS_ID:23070 EP_NO: N/A FS_HLM: 0.3189 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2049.jpg



WS view: Dense vegetation on levee slope and spillway.

LM Start	0.45	Rating **	C	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 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.45	Rating **	M	Issue No.	40
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					

Action/Comments					
Inspector Comments: FS_ID:21106 DS_ID:23071 EP_NO: N/A FS_HLM: 0.4501 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: 09/17/2013					

LM Start	0.45	Rating **	M	Issue No.	40 (cont)
LM End	0.45	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_2050.jpg



LS view: concrete headwall and CM pipe.

Photo 2 of 3 : UCIP_FA_2015_2051.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.45	Rating **	M	Issue No.	40 (cont)
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					
Action/Comments					
Inspector Comments: FS_ID:21106 DS_ID:23071 EP_NO: N/A FS_HLM: 0.4501 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2052.jpg



WS view: Dense vegetation on levee slope and spillway.

LM Start	0.48	Rating **	C	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 **	C	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		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.58	Rating **	M	Issue No.	41
LM End	0.58	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					

Action/Comments					
Inspector Comments: FS_ID:21124 DS_ID:23072 EP_NO: N/A FS_HLM: 0.5854 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: 09/17/2013					

LM Start	0.58	Rating **	M	Issue No.	41 (cont)
LM End	0.58	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_2053.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

Photo 2 of 3 : UCIP_FA_2015_2054.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.58	Rating **	M	Issue No.	41 (cont)
LM End	0.58	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					
Action/Comments					
Inspector Comments: FS_ID:21124 DS_ID:23072 EP_NO: N/A FS_HLM: 0.5854 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2055.jpg



WS view: Dense vegetation on levee slope and spillway.

LM Start	0.60	Rating **	C	Issue No.	12
LM End	1.03	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 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.81	Rating **	M	Issue No.	42
LM End	0.81	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					

Action/Comments

Inspector Comments: FS_ID:21126
 DS_ID:23073
 EP_NO: N/A
 FS_HLM: 0.8159
 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: 09/17/2013

LM Start	0.81	Rating **	M	Issue No.	42 (cont)
LM End	0.81	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2015_1693.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

Photo 2 of 2 : UCIP_FA_2015_1694.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	0.87	Rating **	C	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 activiiti is high.					

No Photos

LM Start	0.93	Rating **	C	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

LM Start	1.02	Rating **	C	Issue No.	18
LM End	1.38	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

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.08	Rating **	M	Issue No.	43
LM End	1.08	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					

Action/Comments					
Inspector Comments: FS_ID:21210 DS_ID:23075 EP_NO: N/A FS_HLM: 1.0851 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: 09/17/2013					

LM Start	1.08	Rating **	M	Issue No.	43 (cont)
LM End	1.08	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_FA_2015_1815.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

Photo 2 of 3 : UCIP_FA_2015_1816.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Spillway needs to be cleared.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.08	Rating **	M	Issue No.	43 (cont)
LM End	1.08	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					
Action/Comments					
Inspector Comments: FS_ID:21210 DS_ID:23075 EP_NO: N/A FS_HLM: 1.0851 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1817.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

LM Start	1.21	Rating **	U	Issue No.	44
LM End	1.21	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					
Action/Comments					
Inspector Comments: FS_ID:42859 DS_ID:23076 EP_NO: N/A FS_HLM: 1.222 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: 09/17/2013					

Photo 1 of 3 : UCIP_FA_2015_1175.jpg



WS view: significant levee cracks along the pipe alignment. Needs detailed investigation on the issue.

* 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 2015

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/20/2015 10/20/2015	Herman Phillips

LM Start	1.21	Rating **	U	Issue No.	44 (cont)
LM End	1.21	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					

Action/Comments

Inspector Comments: FS_ID:42859
 DS_ID:23076
 EP_NO: N/A
 FS_HLM: 1.222
 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: 09/17/2013

LM Start	1.21	Rating **	U	Issue No.	44 (cont)
LM End	1.21	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_FA_2015_1176.jpg



LS view: concrete headwall and burried CM pipe. Dirt removal and clearing needed in inlet.

Photo 3 of 3 : UCIP_FA_2015_1177.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Dirt and vegetations need to be removed and cleared.

* 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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