

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 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	0.73	0.17	1.41	22.36%					
Encroachments	0.01		0.01	0.16%		0.02			
Animal Control	0.52		0.52	8.25%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.15				
<i>LMA Totals:</i>	1.26	0.17	1.94	30.76%	0.15	0.02	0.00	0.00	
Unit No. 01 Black Rascal Diversion RB	Overall Unit Rating	Total Unit Miles							
NA0013	A	1.61							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.08		0.08	4.96%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.01				
<i>Unit Totals:</i>	0.08	0.00	0.08	4.96%	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	0.01		0.01	0.54%		0.02			
<i>Supplemental</i>									
DWR UCIP Field Study					0.04				
<i>Unit Totals:</i>	0.01	0.00	0.01	0.54%	0.04	0.02	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	0.65	0.17	1.33	93.33%					
Animal Control	0.02		0.02	1.40%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.04				
<i>Unit Totals:</i>	0.67	0.17	1.35	94.73%	0.04	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 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
Earthen Levee								
Animal Control	0.50		0.50	35.23%				
Supplemental								
DWR UCIP Field Study					0.06			
Unit Totals:	0.50	0.00	0.50	35.23%	0.06	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2016 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 2016 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)			A	
Date of Inspection	4/12/2016 - 4/12/2016		10/6/2016 - 10/6/2016	
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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/06/2016 10/06/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_4				
Comment Code					
Inspector Comment					
Merced County has a copy of the Operation and Maintenance Manual in their Office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_5				
Comment Code					
Inspector Comment					
Merced Streams Group has emergency supplies and equipment on hand.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_6				
Comment Code					
Inspector Comment					
Merced Streams Group are Trained and prepared for Flood Fight.					

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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	1
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314708 °	37.332582 °
				-120.396403 °	-120.394752 °
DWR ID	DWR_NA0013_01_f_2016_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation.					

Photo 1 of 1 : FA_2016_NA0013_331_1_20161012_00001.jpg



NA0013 Merced Streams Group Unit 1 levee mile 0.00.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314708 °	37.336818 °
				-120.396403 °	-120.396542 °
DWR ID	DWR_NA0013_01_f_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation.					

No Photos

LM Start	1.27	Rating **	M	Issue No.	3
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.332582 °	37.333678 °
				-120.394752 °	-120.395158 °
DWR ID	DWR_NA0013_01_f_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses.					

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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/06/2016 10/06/2016	Herman Phillips

LM Start	1.29	Rating **	M	Issue No.	7
LM End	1.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.332805 °	37.332805 °
				-120.394906 °	-120.394906 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41672
DS_ID:23079
EP_NO: N/A
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: 9/17/2013

LM Start	1.29	Rating **	M	Issue No.	7 (cont)
LM End	1.29	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_41672_35211.jpg



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

Photo 2 of 2 : UCIP_FA_2016_41672_35210.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**

Unit Cover Sheet

Fall 2016 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	4/12/2016 - 4/12/2016		10/6/2016 - 10/6/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

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Merced Streams Group

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	8	
LM End	1.85	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.337027 °		37.314620 °
				-120.387473 °		-120.395820 °
DWR ID	DWR_NA0013_02_f_2016_8					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
No unwanted vegetation.						

Photo 1 of 1 : FA_2016_NA0013_332_8_20161012_00018.jpg



Unit 2 levee mile 0.00 waterside slope looking downstream.

LM Start	0.01	Rating **	M	Issue No.	25	
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						
Comment Code						
Inspector Comment						
FS_ID:21263						
DS_ID:23052						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault.- a concrete 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: 9/17/2013						

Photo 1 of 2 : UCIP_FA_2016_21263_35761.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	25 (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						
Comment Code						
Inspector Comment						
FS_ID:21263						
DS_ID:23052						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault.- a concrete 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: 9/17/2013						

Photo 2 of 2 : UCIP_FA_2016_21263_35760.jpg



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

LM Start	0.54	Rating **	M	Issue No.	26
LM End	0.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.333180 °	37.333180 °
				-120.394069 °	-120.394069 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20946					
DS_ID:23054					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 1 of 2 : UCIP_FA_2016_20946_35266.jpg



WS view: cobble spillway and channel on waterside.

* 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.54	Rating **	M	Issue No.	26 (cont)
LM End	0.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.333180 °	37.333180 °
				-120.394069 °	-120.394069 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20946 DS_ID:23054 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP_FA_2016_20946_35265.jpg



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

LM Start	0.74	Rating **	M	Issue No.	27
LM End	0.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.330525 °	37.330525 °
				-120.395132 °	-120.395132 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20992 DS_ID:23055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of inlet pipe buried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP_FA_2016_20992_35370.jpg



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

* 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	27 (cont)
LM End	0.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.330525 °	37.330525 °
				-120.395132 °	-120.395132 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20992 DS_ID:23055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of inlet pipe buried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP_FA_2016_20992_35369.jpg



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

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				
Comment Code					
TR : Tree or limb					
Inspector Comment					
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 3 : FA_2016_NA0013_332_24_20161004_00003.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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.88	Rating **	U	Issue No.	24 (cont)
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				
Comment Code					
TR : Tree or limb					
Inspector Comment					
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 2 of 3 : FA_2016_NA0013_332_24_20161004_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 3 of 3 : FA_2016_NA0013_332_24_20161012_00020.jpg



Unit 2 looking downstream from levee mile 0.88.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	1.29	Rating **	C	Issue No.	5
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					
Comment Code					
Inspector Comment					
07/22/2016: No sign of new erosion observed. Slightly more vegetation at the site.					
09/03/2015: The erosion 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.					
[2016 Site ID:NA0013U02RM1.31]					

No Photos

LM Start	1.62	Rating **	M	Issue No.	28
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.318015 °	37.318015 °
				-120.395738 °	-120.395738 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42993					
DS_ID:23058					
EP_NO: N/A					
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: 9/17/2013					

Photo 1 of 2 : UCIP_FA_2016_42993_35310.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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	1.62	Rating **	M	Issue No.	28 (cont)
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.318015 °	37.318015 °
				-120.395738 °	-120.395738 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42993 DS_ID:23058 EP_NO: N/A 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: 9/17/2013					

Photo 2 of 2 : UCIP_FA_2016_42993_35309.jpg



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

LM Start	1.63	Rating **	M	Issue No.	9
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.317758 °	37.317758 °
				-120.395750 °	-120.395750 °
DWR ID	DWR_NA0013_02_f_2016_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Take out this walnut tree from the landside shoulder.					

Photo 1 of 1 : FA_2016_NA0013_332_9_20161012_00021.jpg



Unit 2 levee mile 1.63 landside shoulder.

* 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 2016 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	4/12/2016 - 4/12/2016		10/7/2016 - 10/7/2016	
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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	1
LM End	0.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257745 °	37.263288 °
				-120.288458 °	-120.288303 °
DWR ID	DWR_NA0013_03_f_2016_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Levee mile 0.01-0.40 no unwanted vegetation on the landside slope.					

Photo 1 of 1 : FA_2016_NA0013_333_1_20161013_00001.jpg



Unit 3 Owens Creek Diversion landside levee mile 0.01.

LM Start	0.01	Rating **	A	Issue No.	2	
LM End	1.42	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.257745 °		37.273657 °
				-120.288458 °		-120.277787 °
DWR ID	DWR_NA0013_03_f_2016_2					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Levee mile 0.01-1.42 there is no unwanted vegetation along the waterside slope.						

Photo 1 of 1 : FA_2016_NA0013_333_2_20161013_00002.jpg



Unit 3 waterside levee slope looking upstream from levee mile 0.01-1.42.

LM Start	0.01	Rating **	A	Issue No.	3
LM End	1.42	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257745 °	37.273657 °
				-120.288458 °	-120.277787 °
DWR ID	DWR_NA0013_03_f_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Crown roadway from levee mile 0.01-1.42 clear of all vegetation.					

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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.19	Rating **	M	Issue No.	10
LM End	0.19	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260355 °	37.260355 °
				-120.288517 °	-120.288517 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41815 DS_ID:23060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - more than a half of intet pipe burried 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: 9/17/2013					

LM Start	0.19	Rating **	M	Issue No.	10 (cont)
LM End	0.19	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_FA_2016_41815_35533.jpg



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

Photo 2 of 2 : UCIP_FA_2016_41815_35532.jpg



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

* 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.40	Rating **	U	Issue No.	4
LM End	0.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263385 °	37.265792 °
				-120.288345 °	-120.288405 °
DWR ID	DWR_NA0013_03_f_2016_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the Tall dead weed growth from the landside slope and levee toe.					

Photo 1 of 1 : FA_2016_NA0013_333_4_20161013_00003.jpg



Unit 3 looking upstream landside slope levee mile 0.40-0.57.

LM Start	0.58	Rating **	M	Issue No.	5
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.265945 °	37.272620 °
				-120.288270 °	-120.280453 °
DWR ID	DWR_NA0013_03_f_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the dead weeds from the landside slope.					

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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	1.02	Rating **	M	Issue No.	11
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					

Comment Code

Inspector Comment

FS_ID:50152
DS_ID:23064
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 09/29/2016: WS outlet has been cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS. (K. Fazel - UCIP)09/2013:- vegetations need to be removed from spillway and outlet at flapgate (blocked). It needs clearing.- more than half of inlet pipe was buried in inlet. It needs cleaning & clearing. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)
FS Date: 9/7/2016

LM Start	1.02	Rating **	M	Issue No.	11 (cont)
LM End	1.02	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50152_35544.jpg



WS view: cobble spillway and channel on waterside.

Photo 2 of 2 : UCIP_FA_2016_50152_35543.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 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	1.15	Rating **	M	Issue No.	8
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					
Comment Code					
Inspector Comment					
FS_ID:21063 DS_ID:23065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

LM Start	1.15	Rating **	M	Issue No.	8 (cont)
LM End	1.15	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_21063_35502.jpg



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

Photo 2 of 2 : UCIP_FA_2016_21063_35501.jpg



LS view: concrete headwall and CM pipe. Inlet needs 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	1.23	Rating **	A	Issue No.	6
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.272620 °	37.273657 °
				-120.280453 °	-120.277790 °
DWR ID	DWR_NA0013_03_f _ 2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Levee miles 1.23 -1.42 landside slope no unwanted vegetation on the levee slope.					

No Photos

LM Start	1.23	Rating **	M	Issue No.	7
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272628 °	37.272927 °
				-120.280398 °	-120.280302 °
DWR ID	DWR_NA0013_03_f_2016_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Control the rodents along the landside slope from levee mile 1.23 to 1.25.					

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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	1.27	Rating **	M	Issue No.	9
LM End	1.27	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					
Comment Code					
Inspector Comment					
FS_ID:21064 DS_ID:23066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013					

Photo 1 of 2 : UCIP_FA_2016_21064_35506.jpg



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

LM Start	1.27	Rating **	M	Issue No.	9 (cont)
LM End	1.27	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_21064_35505.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 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 2016 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	4/13/2016 - 4/13/2016		10/7/2016 - 10/7/2016	
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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	7
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273313 °	37.257423 °
				-120.277797 °	-120.288225 °
DWR ID	DWR_NA0013_04_f_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Levee mile 0.01-1.41 no unwanted vegetation on the waterside slope.					

Photo 1 of 1 : FA_2016_NA0013_334_7_20161013_00019.jpg



Unit 4 levee mile 0.01 looking downstream of the waterside slope.

LM Start	0.11	Rating **	M	Issue No.	13
LM End	0.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42991 DS_ID:23068 EP_NO: N/A 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: 9/17/2013					

Photo 1 of 2 : UCIP_FA_2016_42991_35751.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Merced Streams Group

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.18	Rating **	M	Issue No.	14
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					

Comment Code

Inspector Comment

FS_ID:50146
DS_ID:23069
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)
FS Date: 9/7/2016

LM Start	0.18	Rating **	M	Issue No.	14 (cont)
LM End	0.18	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50146_35748.jpg



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

Photo 2 of 2 : UCIP_FA_2016_50146_35747.jpg



LS view: concrete headwall and CM pipe. Inlet needs 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.19	Rating **	M	Issue No.	10
LM End	0.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272373 °	37.267383 °
				-120.280392 °	-120.286598 °
DWR ID	DWR_NA0013_04_f_2016_10				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
No rodent or burrows found in this area listed.					

No Photos

LM Start	0.32	Rating **	M	Issue No.	15
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					
Comment Code					
Inspector Comment					
FS_ID:50154					
DS_ID:23070					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/7/2016					

Photo 1 of 2 : UCIP_FA_2016_50154_35608.jpg



WS view: 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.32	Rating **	M	Issue No.	15 (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						
Comment Code						
Inspector Comment						
FS_ID:50154						
DS_ID:23070						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)						
FS Date: 9/7/2016						

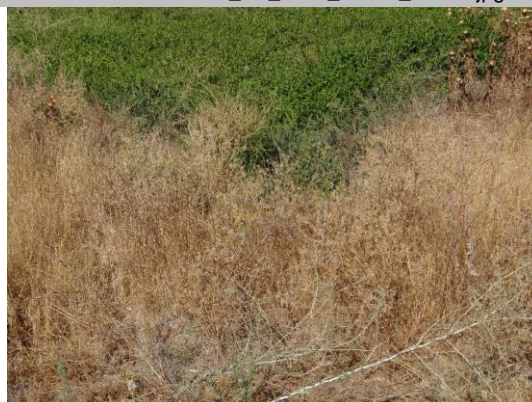
Photo 2 of 2 : UCIP_FA_2016_50154_35607.jpg



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

LM Start	0.58	Rating **	M	Issue No.	16
LM End	0.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50155 DS_ID:23072 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016					

Photo 1 of 2 : UCIP_FA_2016_50155_35642.jpg



WS view: 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.58	Rating **	M	Issue No.	16 (cont)	
LM End	0.58	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.268705 °		37.268705 °
				-120.285546 °		-120.285546 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50155						
DS_ID:23072						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)						
FS Date: 9/7/2016						

Photo 2 of 2 : UCIP_FA_2016_50155_35641.jpg



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

LM Start	0.81	Rating **	M	Issue No.	12
LM End	0.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21126					
DS_ID:23073					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962					
FS Date: 9/17/2013					

Photo 1 of 2 : UCIP_FA_2016_21126_35652.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 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.81	Rating **	M	Issue No.	12 (cont)
LM End	0.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21126					
DS_ID:23073					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962					
FS Date: 9/17/2013					

Photo 2 of 2 : UCIP_FA_2016_21126_35651.jpg



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

LM Start	1.08	Rating **	M	Issue No.	11
LM End	1.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21210					
DS_ID:23075					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 1 of 2 : UCIP_FA_2016_21210_35709.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 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 2016

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	1.08	Rating **	M	Issue No.	11 (cont)
LM End	1.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21210 DS_ID:23075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP_FA_2016_21210_35708.jpg



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

* 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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