

Flood Control Project Maintenance Levee Inspections

Fall 2022 Levee Maintenance Deficiency Summary Report

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	0.01	1.45	5.81	92.12%				
Trim / Thin Trees	0.03		0.03	0.48%				
Encroachments					0.54	0.03		
Animal Control	0.03		0.03	0.48%				
Erosion / Bank Caving	0.01		0.01	0.16%				
Erosion / Rills	0.02		0.02	0.32%				
Erosion / Vehicle Traffic	0.01		0.01	0.16%				
Crown Surface / Depressions / Rutting	0.23		0.23	3.65%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.34	1.45	6.14	97.35%	0.55	0.03	0.00	0.00
Unit No. 01 Black Rascal Diversion RB	Overall Unit Rating	Total Unit Miles						
NA0013	M	1.61						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		0.04	0.16	9.92%				
Encroachments					0.12			
Crown Surface / Depressions / Rutting	0.06		0.06	3.72%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.06	0.04	0.22	13.64%	0.13	0.00	0.00	0.00
Unit No. 02 Black Rascal Diversion LB	Overall Unit Rating	Total Unit Miles						
NA0013	U	1.85						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01	1.41	5.65	305.50%				
Trim / Thin Trees	0.02		0.02	1.08%				
Encroachments					0.30	0.03		
Erosion / Bank Caving	0.01		0.01	0.54%				
Erosion / Rills	0.02		0.02	1.08%				
Erosion / Vehicle Traffic	0.01		0.01	0.54%				
Crown Surface / Depressions / Rutting	0.04		0.04	2.16%				
<i>Supplemental</i>								
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.11	1.41	5.75	310.91%	0.30	0.03	0.00	0.00

Flood Control Project Maintenance Levee Inspections

Fall 2022 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

Unit No. 03 Owens Creek Diversion RB		Overall Unit Rating	Total Unit Miles						
NA0013		A	1.43						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Trim / Thin Trees	0.01		0.01	0.70%					
Animal Control	0.02		0.02	1.40%					
Crown Surface / Depressions / Rutting	0.01		0.01	0.70%					
Supplemental									
DWR UCIP LMA Responsibility									
Unit Totals:	0.04	0.00	0.04	2.81%	0.00	0.00	0.00	0.00	

Unit No. 04 Owens Creek Diversion LB		Overall Unit Rating	Total Unit Miles						
NA0013		A	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									
Encroachments					0.12				
Animal Control	0.01		0.01	0.70%					
Crown Surface / Depressions / Rutting	0.12		0.12	8.45%					
Supplemental									
DWR UCIP LMA Responsibility									
Unit Totals:	0.13	0.00	0.13	9.16%	0.12	0.00	0.00	0.00	

Flood Control Project Maintenance Levee Inspections LMA District Cover Sheet

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**

Merced Streams Group

Waterway			Bank	Unit Miles
Unit No. 01 Black Rascal Diversion			Right	1.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/26/2022 - 4/26/2022		10/4/2022 - 10/4/2022	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By	Oscar Ortiz Merced County		Oscar Ortiz Merced County	

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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/04/2022 10/04/2022	Corey Fujitani

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_4				
Comment Code					
OM : O&M Manuals					
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 *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_5				
Comment Code					
ES : Emergency Supplies & Equipment					
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 *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_6				
Comment Code					
FP : Flood Preparedness & Training					
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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.01	Rating **	A	Issue No.	2
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314836 °	37.314836 °
				-120.396382 °	-120.396382 °
DWR ID	DWR_NA0013_01_f _ 2022_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0013_331_2_20221020_00008.jpg



View of vegetation management on the landside slope. (Fall 2022)

LM Start	0.02	Rating **	C	Issue No.	11
LM End	0.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.314942 °	37.314942 °
				-120.396394 °	-120.396394 °
DWR ID	DWR_NA0013_01_f_2018_11				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	0.27	Rating **	M	Issue No.	10
LM End	0.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.318484 °	37.318994 °
				-120.396591 °	-120.396619 °
DWR ID	DWR_NA0013_01_f_2022_10				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_331_10_20221020_00009.jpg



Tracks from vehicle traffic on the levee crown should be backfilled. (Fall 2022)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.27	Rating **	M	Issue No.	7
LM End	0.38	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.318502 °	37.320094 °
				-120.396583 °	-120.396606 °
DWR ID	DWR_NA0013_01_s _ 2021_7				
Comment Code					
DE : Debris					
Inspector Comment					
MID is dumping dredgings from irrigation canal on landside onto waterside slope.					

Photo 1 of 1 : FA_2022_NA0013_331_7_20220822_00002.jpg



Dredgings have been leveled but still left within the channel. (Fall 2021)

LM Start	0.43	Rating **	M	Issue No.	8
LM End	0.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.320841 °	37.321090 °
				-120.396611 °	-120.396609 °
DWR ID	DWR_NA0013_01_s _ 2022_8				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	0.53	Rating **	C	Issue No.	9
LM End	0.53	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.322226 °	37.322226 °
				-120.396625 °	-120.396625 °
DWR ID	DWR_NA0013_01_s _ 2022_9				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.75	Rating **	A/W	Issue No.	14
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.325485 °	37.325485 °
				-120.396700 °	-120.396700 °
DWR ID	DWR_NA0013_01_s_2019_14				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_331_14_20220822_00005.jpg



View of erosion on landside slope. (Spring 2019)

LM Start	1.23	Rating **	C	Issue No.	16
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Access Gates			37.332005 °	37.332005 °
				-120.394751 °	-120.394751 °
DWR ID	DWR_NA0013_01_s_2019_16				
Comment Code					
AG : Access Gates					
Inspector Comment					
Gate has been removed.					

No Photos

LM Start	1.27	Rating **	M	Issue No.	18
LM End	1.27	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.332554 °	37.332554 °
				-120.394767 °	-120.394767 °
DWR ID	DWR_NA0013_01_s_2019_18				
Comment Code					
RA : Ramp					
Inspector Comment					
Ramp has been fenced off at waterside shoulder.					

Photo 1 of 1 : FA_2022_NA0013_331_18_20220822_00007.jpg



View of ramp on waterside slope looking Northeast. (Spring 2020)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.29	Rating **	M	Issue No.	19	
LM End	1.29	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.332826 °	37.332826 °	
				-120.394886 °	-120.394886 °	
DWR ID	23079					
Comment Code						
Inspector Comment						
DS_ID:23079 FS_ID:74566 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 4b, Safety Issue Crossing Status: Found UCIP Comments: 04/13/2022 Record remains Non-Urgent. Overgrown vegetation limits inspection of levee at this crossing; recommend removing vegetation. Geophysical study indicates possible presence of pipe through levee. Cover on CMP riser is missing causing a safety hazard. Crossing appears abandoned. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. Coordinates have been updated from 37.332805, -120.394906 to 37.332826, -120.394886. (M.Thao - DWR UCIP) 09/17/2013 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. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Riser on the landside (LS). Screw gate in a 48-inch pipe well on the waterside (WS) slope. Concrete headwall and cobble spillway at the LS toe. Concrete headwall at the WS toe. [Additional Reference(s): USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.32)]. FS Date: 4/13/2022						

LM Start	1.29	Rating **	M	Issue No.	19 (cont)
LM End	1.29	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2022_74566_111342.jpg



WS view: Looking from crown; slide gate in CMP riser. Dense vegetation.

Photo 2 of 2 : UCIP_FA_2022_74566_111343.jpg



WS view: Looking into CMP riser with slide gate; no cover on riser.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.34	Rating **	M	Issue No.	12
LM End	1.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.333502 °	37.333502 °
				-120.395143 °	-120.395143 °
DWR ID	DWR_NA0013_01_f_2022_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_331_12_20221020_00010.jpg



Depression in the levee crown should be backfilled. (Fall 2022)

LM Start	1.57	Rating **	U	Issue No.	3
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336553 °	37.337109 °
				-120.396529 °	-120.396519 °
DWR ID	DWR_NA0013_01_f _ 2021_3				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bushes should be removed from the waterside slope.					

Photo 1 of 1 : FA_2022_NA0013_331_3_20220822_00001.jpg



View of blackberry bushes growing on the the waterside slope. (Fall 2021)

* 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**

Merced Streams Group

Waterway			Bank	Unit Miles
Unit No. 02 Black Rascal Diversion			Left	1.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/26/2022 - 4/26/2022		10/4/2022 - 10/4/2022	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By	Oscar Ortiz Merced County		Oscar Ortiz Merced County	

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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

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				
Comment Code					
PI : Pipe					
Inspector Comment					
There is no CVFPB permit on record for this issue. Merced County Flood Control is aware of this issue.					

Photo 1 of 1 : FA_2022_NA0013_332_2_20220822_00001.jpg



Tank and filtration system installed on the landside easement. (Spring 2020)

LM Start	0.01	Rating **	U	Issue No.	11
LM End	0.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.337010 °	37.337010 °
				-120.387448 °	-120.387448 °
DWR ID	DWR_NA0013_02_s_2019_11				
Comment Code					
FW : Firewood					
Inspector Comment					
Landowner left wood and pipes on waterside slope.					

Photo 1 of 1 : FA_2022_NA0013_332_11_20220822_00003.jpg



View of wood pile and pipes on waterside slope. (Spring 2019)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.22	Rating **	M	Issue No.	10
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336284 °	37.336284 °
				-120.390694 °	-120.390694 °
DWR ID	DWR_NA0013_02_f_2021_10				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bushes are beginning to grow on the waterside slope.					

Photo 1 of 1 : FA_2022_NA0013_332_10_20220822_00002.jpg



Blackberry bushes are beginning to grow up the waterside slope and shoulder. (Fall 2021)

LM Start	0.29	Rating **	U	Issue No.	30	
LM End	0.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.336006 °	37.336006 °	
				-120.392011 °	-120.392011 °	
DWR ID	23053					
Comment Code						
Inspector Comment						
DS_ID:23053 FS_ID:74570 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 04/13/2022 Record updated from No Action Needed to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than of equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Overgrown vegetation limits inspection of levee at this crossing; recommend vegetation removal on LS and WS. (M.Thao - DWR UCIP) 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.29). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.29), listed as 24-inch pipe]. FS Date: 4/13/2022						

Photo 1 of 2 : UCIP_FA_2022_74570_111356.jpg



LS view: Looking toward levee; headwall blocked by vegetation.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.29	Rating **	U	Issue No.	30 (cont)
LM End	0.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.336006 °	37.336006 °
				-120.392011 °	-120.392011 °
DWR ID	23053				

Photo 2 of 2 : UCIP_FA_2022_74570_111354.jpg



WS view: Looking at concrete headwall and flap gate (yellow arrow); dense vegetation blocking flap gate.

LM Start	0.30	Rating **	M	Issue No.	14
LM End	0.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.335929 °	37.335929 °
				-120.392062 °	-120.392062 °
DWR ID	DWR_NA0013_02_f_2022_14				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair low point at turn where there is UCIP on landside levee crown. Possibly due to vehicle traffic or water runoff.					

No Photos

LM Start	0.46	Rating **	M	Issue No.	13
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.333706 °	37.333706 °
				-120.392952 °	-120.392952 °
DWR ID	DWR_NA0013_02_s_2022_13				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree sapling on the waterside slope should be removed before it is able to establish.					

Photo 1 of 1 : FA_2022_NA0013_332_13_20220822_00005.jpg



Tree sapling on the waterside slope. (Spring 2022)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.54	Rating **	M	Issue No.	31
LM End	0.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.333180 °	37.333180 °
				-120.394069 °	-120.394069 °
DWR ID	23054				
Comment Code					
Inspector Comment					
DS_ID:23054 FS_ID:74654 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/13/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Overgrown vegetation limites inspection of LS headwall and inlet; recommend vegetation removal. Flap gate was properly closed during inspection. (M.Thao - DWR UCIP) 09/17/2013 - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.54). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.54), listed as 24-inch pipe]. FS Date: 4/13/2022					

Photo 1 of 1 : UCIP_FA_2022_74654_111367.jpg



LS view: Headwall and pipe inlet blocked by dense vegetation.

LM Start	0.54	Rating **	M	Issue No.	12
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.333152 °	37.333152 °
				-120.394099 °	-120.394099 °
DWR ID	DWR_NA0013_02_f _ 2021_12				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Sapling should be removed before it can establish.					

Photo 1 of 1 : FA_2022_NA0013_332_12_20220822_00004.jpg



Sapling growing in the waterside shoulder. (Fall 2021)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.63	Rating **	U	Issue No.	18
LM End	1.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331907 °	37.315006 °
				-120.394159 °	-120.395833 °
DWR ID	DWR_NA0013_02_f _ 2022_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_332_18_20221020_00015.jpg



View of vegetation on the waterside slope. (Fall 2022)

LM Start	0.63	Rating **	U	Issue No.	19
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331906 °	37.329343 °
				-120.394159 °	-120.396005 °
DWR ID	DWR_NA0013_02_f _ 2022_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_332_19_20221020_00016.jpg



Looking upstream along the landside slope. (Fall 2022)

LM Start	0.63	Rating **	C	Issue No.	26
LM End	0.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331814 °	37.329210 °
				-120.394198 °	-120.396032 °
DWR ID	DWR_NA0013_02_s_2020_26				
Comment Code					
V3 : Keep the crown roadway free of vegetation.					
Inspector Comment					

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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.74	Rating **	M	Issue No.	32	
LM End	0.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.330525 °	37.330525 °	
				-120.395132 °	-120.395132 °	
DWR ID	23055					
Comment Code						
Inspector Comment						
DS_ID:23055 FS_ID:77422 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/13/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Pipe and apron has been cleared of mud and debris since the last inspection. (M.Thao - DWR UCIP) 09/17/2013 - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of intet pipe burried. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.73). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.73), listed as 24-inch pipe]. FS Date: 4/13/2022						

Photo 1 of 2 : UCIP_FA_2022_77422_111386.jpg



LS view: Concrete headwall and pipe inlet at toe.

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

Photo 2 of 2 : UCIP_FA_2022_77422_111388.jpg



WS view: Concrete headwall and flap gate on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.74	Rating **	M	Issue No.	17
LM End	0.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.330443 °	37.330443 °
				-120.395181 °	-120.395181 °
DWR ID	DWR_NA0013_02_f_2021_17				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_332_17_20220822_00008.jpg



Depressions in the levee crown from vehicle traffic. (Spring 2022)

LM Start	0.75	Rating **	M	Issue No.	22
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			37.330340 °	37.330340 °
				-120.395288 °	-120.395288 °
DWR ID	DWR_NA0013_02_f_2018_22				
Comment Code					
E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is a vehicle track on the landside slope.					

No Photos

LM Start	0.78	Rating **	M	Issue No.	27
LM End	0.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.329952 °	37.329789 °
				-120.395588 °	-120.395720 °
DWR ID	DWR_NA0013_02_s_2020_27				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_332_27_20220822_00012.jpg



View of depressions in the levee crown from vehicle traffic. (Fall 2021)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.88	Rating **	U	Issue No.	24
LM End	0.88	Issue Type +	En	Location *	LS
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					
CR : Crops					
Inspector Comment					
Three fruit trees with irrigation system, two stock piles of material, and a rock pad are placed on landside toe. Discovered during the fall 2014 inspection was a structure had been installed on the landward levee slope and berm. There are no permits for these encroachments.					

Photo 1 of 1 : FA_2022_NA0013_332_24_20220822_00011.jpg



Unauthorized patio and fruit trees installed on the landside slope.
(Fall 2021)

LM Start	0.90	Rating **	U	Issue No.	33
LM End	0.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328283 °	37.328283 °
				-120.396074 °	-120.396074 °
DWR ID	23056				
Comment Code					
Inspector Comment					
DS_ID:23056 FS_ID:74581 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. (M.Thao - DWR UCIP) 04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. (M.Thao - DWR UCIP) 09/17/2013 - working during field inspection.- vegetation on drainage ditch/channel (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal culvert through the levee, 10 feet below the crown. Concrete headwall and flap gate on the waterside (WS) berm, 5 feet from the levee toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.91). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.91), listed as 60-inch pipe]. FS Date: 4/13/2022					

Photo 1 of 2 : UCIP_FA_2022_74581_111398.jpg



LS view: Concrete headwall and pipe inlet.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.90	Rating **	U	Issue No.	33 (cont)
LM End	0.90	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.328283 °	37.328283 °	
			-120.396074 °	-120.396074 °	
DWR ID	23056				

Photo 2 of 2 : UCIP_FA_2022_74581_111395.jpg



WS view: Concrete headwall, apron, and flap gate on channel bank.

LM Start	0.91	Rating **	U	Issue No.	34
LM End	0.91	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.328267 °	37.328267 °	
			-120.396084 °	-120.396084 °	
DWR ID	23080				

Comment Code

Inspector Comment

DS_ID:23080
 FS_ID:74584
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: 1, Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater or equal to 5 and and less than 6. Crossing will be monitored until funding becomes available to address the issues. (M.Thao - DWR UCIP)
 09/17/2013 It was working during field inspection. Dense vegetation in drainage ditch (DWR UCIP - P. Amatya).
 FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal culvert through the levee, 10 feet below the crown. Concrete headwall and flap gate on the waterside (WS) berm, 5 feet from the levee toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.91). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.91), listed as 60-inch pipe].
 FS Date: 4/13/2022

Photo 1 of 2 : UCIP_FA_2022_74584_111404.jpg



LS view: Concrete headwall and pipe inlet.

* 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

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.29	Rating **	M	Issue No.	28
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.322752 °	37.322752 °
				-120.396030 °	-120.396030 °
DWR ID	DWR_NA0013_02_s_2020_28				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_332_28_20220822_00013.jpg



View of erosion pocket in the landside slope and toe. (Fall 2020)

LM Start	1.30	Rating **	M	Issue No.	35	
LM End	1.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.322499 °	37.322499 °	
				-120.396045 °	-120.396045 °	
DWR ID	23057					
Comment Code						
Inspector Comment						
DS_ID:23057 FS_ID:74587 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/13/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Some damage has occurred to the LS concrete headwall since the last inspection. (M.Thao - DWR UCIP) 09/17/2013 - working during field inspection. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.32). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.32), listed as 24-inch pipe]. FS Date: 4/13/2022						

Photo 1 of 3 : UCIP_FA_2022_74587_111414.jpg



LS view: Inlet at toe; concrete headwall damaged since last inspection.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.30	Rating **	M	Issue No.	35 (cont)
LM End	1.30	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.322499 °	37.322499 °	
			-120.396045 °	-120.396045 °	
DWR ID	23057				

Photo 2 of 3 : UCIP_FA_2022_74587_111411.jpg



WS view: Concrete headwall, apron, and flap gate on toe.

LM Start	1.30	Rating **	M	Issue No.	35 (cont)
LM End	1.30	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_74587_111421.jpg



WS view: Inside view of pipe outlet; looks clean and clear.

LM Start	1.31	Rating **	M	Issue No.	21
LM End	1.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.322423 °	37.318084 °
				-120.396027 °	-120.395720 °
DWR ID	DWR_NA0013_02_s _ 2022_21				
Comment Code					
CR : Crops					
Inspector Comment					
Landowner has planted shrubs or trees on the landside slope spaced approximately 10 feet apart along this section of the levee. An irrigation line also runs along the levee. These should be relocated outside the levee easement.					

Photo 1 of 1 : FA_2022_NA0013_332_21_20220822_00010.jpg



View of shrubs intermittently planted on the landside slope. (Spring 2022)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.62	Rating **	M	Issue No.	36	
LM End	1.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.318015 °	37.318015 °	
				-120.395738 °	-120.395738 °	
DWR ID	23058					
Comment Code						
Inspector Comment						
DS_ID:23058 FS_ID:77425 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/13/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Debris has deposited at the end of WS apron not allowing water to drainage properly; recommend removing debris. Pipe inlet on LS has been cleared since the last inspection. (M.Thao - DWR UCIP) 09/17/2013 - needs cleaning of debris on spillway on WS. Flapgate blocked by debris on WS. - needs cleaning inside CMP on LS. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.64). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.64), listed as 24-inch pipe]. FS Date: 4/13/2022						

LM Start	1.62	Rating **	M	Issue No.	36 (cont)
LM End	1.62	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_77425_111432.jpg



LS view: Looking toward levee; concrete headwall and pipe inlet.

Photo 2 of 2 : UCIP_FA_2022_77425_111434.jpg



WS view: Concrete headwall, apron, and flap gate on toe; debris deposited at end of apron (bottom) not allowing water to drain properly.

* 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

View of rodent burrows in the landside slope. (Fall 2021)

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

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)			A	
Date of Inspection	4/26/2022 - 4/26/2022		10/4/2022 - 10/4/2022	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By	Oscar Ortiz Merced County		Oscar Ortiz Merced County	

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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.02	Rating **	A/W	Issue No.	14
LM End	0.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.257878 °	37.262092 °
				-120.288391 °	-120.288508 °
DWR ID	DWR_NA0013_03_f _ 2022_14				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Monitor this section to avoid future issue.					

No Photos

LM Start	0.19	Rating **	U	Issue No.	15	
LM End	0.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.260355 °		37.260355 °
				-120.288517 °		-120.288517 °
DWR ID	23060					
Comment Code						
Inspector Comment						
DS_ID:23060						
FS_ID:74597						
EP_NO: N/A						
Repair Type: Urgent						
EVAL Issue: 1, Pipe Integrity						
Crossing Status: Found						
UCIP Comments: 04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Pipe inlet on LS has been cleared since last inspection as well as vegetation on LS and WS. (M.Thao - DWR UCIP)						
09/17/2013 - more than a half of inet pipe burried on LS. - needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.20). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.18), listed as 24-inch pipe].						
FS Date: 4/13/2022						

Photo 1 of 2 : UCIP_FA_2022_74597_111450.jpg



LS view: Concrete headwall and pipe inlet at toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.39	Rating **	M	Issue No.	16
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263182 °	37.263182 °
				-120.288239 °	-120.288239 °
DWR ID	23061				

Comment Code

Inspector Comment

DS_ID:23061
FS_ID:74601
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Vegetation was blocking pipe inlet on LS; recommend removing vegetation. (M.Thao - DWR UCIP)
09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013: 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. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.39). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.39), listed as 24-inch pipe].
FS Date: 4/14/2022

LM Start	0.39	Rating **	M	Issue No.	16 (cont)
LM End	0.39	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_74601_111459.jpg



LS view: Concrete headwall; vegetation blocking pipe inlet.

Photo 2 of 2 : UCIP_FA_2022_74601_111461.jpg



WS view: Close-up view of concrete headwall and flap gate.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.58	Rating **	A/W	Issue No.	17
LM End	0.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265894 °	37.265894 °
				-120.288295 °	-120.288295 °
DWR ID	23062				
Comment Code					
Inspector Comment					
DS_ID:23062 FS_ID:74603 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 04/14/2022 Record remains No Action Needed. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. No issues observed during inspection. (M.Thao - DWR UCIP) 09/29/2016: LS and WS ends have been cleared by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- needs clearing and cleaning on inlet and outlet. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.59). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.59), listed as 24-inch pipe]. FS Date: 4/14/2022					

Photo 1 of 3 : UCIP_FA_2022_74603_111463.jpg



Levee crown looking upstream.

LM Start	0.58	Rating **	A/W	Issue No.	17 (cont)
LM End	0.58	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2022_74603_111464.jpg



LS view: Looking from crown; backside of concrete headwall on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.58	Rating **	A/W	Issue No.	17 (cont)
LM End	0.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.265894 °	37.265894 °	
			-120.288295 °	-120.288295 °	
DWR ID	23062				

Photo 3 of 3 : UCIP_FA_2022_74603_111465.jpg



LS view: Concrete headwall and pipe inlet on toe.

LM Start	0.79	Rating **	M	Issue No.	18
LM End	0.79	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.268420 °	37.268420 °	
			-120.286231 °	-120.286231 °	
DWR ID	23063				

Comment Code

Inspector Comment

DS_ID:23063
 FS_ID:74604
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 5, Pipe Damage
 Crossing Status: Found
 UCIP Comments: 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (M.Thao - DWR UCIP)
 09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)
 09/2013: Needs vegetation clearing on WS. (P. Amatya - UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.80). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.80), listed as 24-inch pipe].
 FS Date: 4/14/2022

Photo 1 of 2 : UCIP_FA_2022_74604_111470.jpg



LS view: Concrete headwall and pipe inlet on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.79	Rating **	M	Issue No.	18 (cont)
LM End	0.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID	23063				

Photo 2 of 2 : UCIP_FA_2022_74604_111467.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

LM Start	0.98	Rating **	M	Issue No.	9
LM End	0.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.270632 °	37.270874 °
				-120.284356 °	-120.284058 °
DWR ID	DWR_NA0013_03_f_2017_9				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Previously repaired rutting has settled and depression in crown should be brought to level.					

Photo 1 of 1 : FA_2022_NA0013_333_9_20220822_00001.jpg



View of depression on landside slope and levee crown. (Spring 2021)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.02	Rating **	A/W	Issue No.	19
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.271111 °	37.271111 °	
			-120.283786 °	-120.283786 °	
DWR ID	23064				

Comment Code

Inspector Comment

DS_ID:23064
FS_ID:74606
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/14/2022 Record updated from Non-Urgent to No Action Needed. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. No issues observed during inspection. (M.Thao - DWR UCIP)
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 gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.04). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.04), listed as 24-inch pipe].
FS Date: 4/14/2022

LM Start	1.02	Rating **	A/W	Issue No.	19 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_74606_111473.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_74606_111474.jpg



LS view: Looking from crown; general overview.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.02	Rating **	A/W	Issue No.	19 (cont)
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID	23064				

Photo 3 of 3 : UCIP_FA_2022_74606_111475.jpg



LS view: Concrete headwall and pipe inlet on toe.

LM Start	1.15	Rating **	M	Issue No.	20
LM End	1.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272193 °	37.272193 °
				-120.281805 °	-120.281805 °
DWR ID	23065				

Comment Code

Inspector Comment

DS_ID:23065
 FS_ID:74609
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: 11, Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 04/14/2022 Record remains Non-Urgent. Spillway on WS is clear of mud and debris. Pipe inlet on LS is partially filled with sediment; recommend removing sediment. (M.Thao - DWR UCIP)
 09/17/2013 - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside (DWR UCIP - P. Amatya).
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.17). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.17), listed as 24-inch pipe].
 FS Date: 4/14/2022

Photo 1 of 1 : UCIP_FA_2022_74609_111479.jpg



LS view: Close-up view of pipe inlet; pipe partially filled with sediment.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	12
LM End	1.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272548 °	37.272548 °
				-120.280812 °	-120.280812 °
DWR ID	DWR_NA0013_03_f_2021_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_333_12_20220822_00002.jpg



View of rodent activity on the waterside slope. (Fall 2021)

LM Start	1.21	Rating **	M	Issue No.	13
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272555 °	37.272555 °
				-120.280760 °	-120.280760 °
DWR ID	DWR_NA0013_03_f_2021_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_333_13_20220822_00003.jpg



Rodent holes observed on the landside slope. (Fall 2021)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.27	Rating **	A/W	Issue No.	21
LM End	1.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273082 °	37.273082 °
				-120.280288 °	-120.280288 °
DWR ID	23066				

Comment Code

Inspector Comment

DS_ID:23066
FS_ID:74610
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/14/2022 Record updated from Non-Urgent to No Action Needed. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. Cleaning and clearing of vegetation and silt deposited inside the pipe was previously addressed and no issues observed during inspection. (M.Thao - DWR UCIP)
09/17/2013 - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.28). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.29), listed as 24-inch pipe].
FS Date: 4/14/2022

LM Start	1.27	Rating **	A/W	Issue No.	21 (cont)
LM End	1.27	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_74610_111482.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2022_74610_111483.jpg



LS view: Looking from crown; general overview.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.27	Rating **	A/W	Issue No.	21 (cont)
LM End	1.27	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.273082 °	37.273082 °	
			-120.280288 °	-120.280288 °	
DWR ID	23066				

Photo 3 of 3 : UCIP_FA_2022_74610_111484.jpg



LS view: Concrete headwall and pipe inlet on toe.

* 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**

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)			A	
Date of Inspection	4/26/2022 - 4/26/2022		10/4/2022 - 10/4/2022	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By	Oscar Ortiz Merced County		Oscar Ortiz Merced County	

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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	16
LM End	0.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.273345 °	37.273215 °
				-120.277834 °	-120.279865 °
DWR ID	DWR_NA0013_04_f_2022_16				
Comment Code					
CR : Crops					
Inspector Comment					
Crops plants approximately 5 ft from landside toe should be move outside the 20 ft easement.					

Photo 1 of 1 : FA_2022_NA0013_334_16_20221020_00005.jpg



Crops planted within the easement of the landside toe. (Fall 2022)

LM Start	0.08	Rating **	M	Issue No.	10
LM End	0.08	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.273299 °	37.273299 °
				-120.279149 °	-120.279149 °
DWR ID	DWR_NA0013_04_f_2020_10				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Depression in crown and waterside slope is possibly cause by irrigation pipe.					

Photo 1 of 1 : FA_2022_NA0013_334_10_20220822_00001.jpg



View of depression across the levee crown and waterside slope. (Fall 2020)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.11	Rating **	M	Issue No.	17
LM End	0.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID	23068				
Comment Code					
Inspector Comment					
DS_ID:23068 FS_ID:77414 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/14/2022 Record remains Non-Urgent. Flap gate blocked by debris on WS; recommend removing debris. Vegetation has been cleared on LS. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (M.Thao - DWR UCIP) 09/17/2013 - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.10). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.10), listed as 24-inch pipe]. FS Date: 4/14/2022					

LM Start	0.11	Rating **	M	Issue No.	17 (cont)
LM End	0.11	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_77414_111520.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_77414_111521.jpg



LS view: Concrete headwall and pipe inlet on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.11	Rating **	M	Issue No.	17 (cont)
LM End	0.11	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.273295 °	37.273295 °	
			-120.279673 °	-120.279673 °	
DWR ID	23068				

Photo 3 of 3 : UCIP_FA_2022_77414_111522.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

LM Start	0.18	Rating **	M	Issue No.	18
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.272437 °	37.272437 °	
			-120.280260 °	-120.280260 °	
DWR ID	23069				

Comment Code

Inspector Comment

DS_ID:23069
FS_ID:74658
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. A PVC pipe was placed into the CMP drainage pipe for unknown reasons; unable to find a permit for modification. (M.Thao - DWR UCIP)
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 gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.17). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.17), listed as 24-inch pipe].
FS Date: 4/14/2022

Photo 1 of 3 : UCIP_FA_2022_74658_111523.jpg



Levee crown looking downstream.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.18	Rating **	M	Issue No.	18 (cont)
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.272437 °	37.272437 °	
			-120.280260 °	-120.280260 °	
DWR ID	23069				

Photo 2 of 3 : UCIP_FA_2022_74658_111524.jpg



LS view: Looking from crown; backside of concrete headwall on toe.

LM Start	0.18	Rating **	M	Issue No.	18 (cont)
LM End	0.18	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_74658_111525.jpg



LS view: Concrete headwall and pipe inlet; PVC pipe was inserted into the draining pipe inlet.

LM Start	0.25	Rating **	M	Issue No.	12
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272065 °	37.272065 °
				-120.281459 °	-120.281459 °
DWR ID	DWR_NA0013_04_f_2021_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2022_NA0013_334_12_20220822_00002.jpg



View of rodent burrows in the landside slope. (Fall 2021)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.32	Rating **	M	Issue No.	19	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.271495 °	37.271495 °	
				-120.282452 °	-120.282452 °	
DWR ID	23070					
Comment Code						
Inspector Comment						
DS_ID:23070 FS_ID:74630 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Pipe on LS and WS have been cleared, but sediment buildup is present on spillway on WS. The sediment buildup does not currently impact operation of flap gate. (M.Thao - DWR UCIP) 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 gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.31) . USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.31), listed as 24-inch pipe]. FS Date: 4/14/2022						

Photo 1 of 2 : UCIP_FA_2022_74630_111540.jpg



LS view: Concrete headwall and pipe inlet on toe.

LM Start	0.32	Rating **	M	Issue No.	19 (cont)
LM End	0.32	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_74630_111537.jpg



WS view: Close-up view on flap gate not impacted by sediment buildup.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.45	Rating **	M	Issue No.	20
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.270318 °	37.270318 °
				-120.284222 °	-120.284222 °
DWR ID	23071				
Comment Code					
Inspector Comment					
DS_ID:23071 FS_ID:74632 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (M.Thao - DWR UCIP) 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.45). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.45), listed as 24-inch pipe]. FS Date: 4/14/2022					

Photo 1 of 2 : UCIP_FA_2022_74632_111547.jpg



LS view: Concrete headwall and pipe inlet on toe.

LM Start	0.45	Rating **	M	Issue No.	20 (cont)
LM End	0.45	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2022_74632_111548.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.58	Rating **	M	Issue No.	21
LM End	0.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID	23072				

Comment Code

Inspector Comment

DS_ID:23072
FS_ID:74659
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. The headwall and pipe inlet was not found on LS toe. Need to coordinate with LMA to determine status of crossing. (M.Thao - DWR UCIP)
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 gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.58). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.58), listed as 24-inch pipe].
FS Date: 4/14/2022

LM Start	0.58	Rating **	M	Issue No.	21 (cont)
LM End	0.58	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2022_74659_111555.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2022_74659_111556.jpg



LS view: Looking from crown; headwall and pipe inlet on toe not found.

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.58	Rating **	M	Issue No.	21 (cont)
LM End	0.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.268705 °	37.268705 °	
			-120.285546 °	-120.285546 °	
DWR ID	23072				

Photo 3 of 3 : UCIP_FA_2022_74659_111558.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

LM Start	0.81	Rating **	U	Issue No.	22
LM End	0.81	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.265948 °	37.265948 °	
			-120.287790 °	-120.287790 °	
DWR ID	23073				

Comment Code

Inspector Comment

DS_ID:23073
 FS_ID:74660
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: 2b, Levee Integrity
 Crossing Status: Found
 UCIP Comments: 04/14/2022 Record updated from Non-Urgent to Urgent. Levee disturbance caused by erosion is greater than 1/2 foot in depth around concrete headwall on WS toe. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (M.Thao - DWR UCIP) 09/17/2013 - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey. (DWR UCIP - P. Amatya)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.81). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.82), listed as 24-inch pipe].
 FS Date: 4/14/2022

Photo 1 of 3 : UCIP_FA_2022_74660_111561.jpg



LS view: Concrete headwall and pipe inlet on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	0.81	Rating **	U	Issue No.	22 (cont)
LM End	0.81	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.265948 °	37.265948 °	
			-120.287790 °	-120.287790 °	
DWR ID	23073				

Photo 2 of 3 : UCIP_FA_2022_74660_111562.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

LM Start	0.81	Rating **	U	Issue No.	22 (cont)
LM End	0.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2022_74660_111563.jpg



WS view: Erosion present around concrete headwall.

LM Start	1.01	Rating **	M	Issue No.	13
LM End	1.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.263139 °	37.263139 °
				-120.287799 °	-120.287799 °
DWR ID	DWR_NA0013_04_s_2021_13				
Comment Code					
PI : Pipe					
Inspector Comment					
There appears to be installed drainage pipes feeding the existing pipe crossing. There is no known permit related to these pipes.					

Photo 1 of 1 : FA_2022_NA0013_334_13_20220822_00003.jpg



Drainage pipes feeding to existing pipe crossing. (Spring 2021)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.01	Rating **	M	Issue No.	23
LM End	1.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263139 °	37.263139 °
				-120.287799 °	-120.287799 °
DWR ID	23074				
Comment Code					
Inspector Comment					
DS_ID:23074 FS_ID:74642 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Appears two PVC pipes have been placed landward off levee toe and covered with fill; no modifications to crossing observed. The PVC pipes now drain to the crossing. (M.Thao - DWR UCIP) 09/17/2013 - concrete spillway on waterside.- drainage was working during field survey (DWR UCIP - P. Amatya). FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.02). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.02), listed as 24-inch pipe]. FS Date: 4/14/2022					

LM Start	1.01	Rating **	M	Issue No.	23 (cont)
LM End	1.01	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2022_74642_111566.jpg



LS view: Concrete headwall and pipe inlet on toe.

Photo 2 of 2 : UCIP_FA_2022_74642_111568.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.07	Rating **	A	Issue No.	15
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.262366 °	37.262366 °
				-120.288252 °	-120.288252 °
DWR ID	DWR_NA0013_04_f_2022_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : FA_2022_NA0013_334_15_20221020_00006.jpg



View of vegetation management on the waterside slope. (Fall 2022)

LM Start	1.08	Rating **	M	Issue No.	24	
LM End	1.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.262207 °	37.262207 °	
				-120.288149 °	-120.288149 °	
DWR ID	23075					
Comment Code						
Inspector Comment						
DS_ID:23075 FS_ID:74643 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No issues observed during inspection. (M.Thao - DWR UCIP) 09/17/2013 - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.08). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.08), listed as 24-inch pipe]. FS Date: 4/14/2022						

Photo 1 of 2 : UCIP_FA_2022_74643_111570.jpg



LS view: Concrete headwall and pipe inlet on toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.08	Rating **	M	Issue No.	24 (cont)
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID	23075				

Photo 2 of 2 : UCIP_FA_2022_74643_111572.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

LM Start	1.11	Rating **	M	Issue No.	14
LM End	1.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.261787 °	37.260138 °
				-120.288109 °	-120.288136 °
DWR ID	DWR_NA0013_04_s_2022_14				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Minor rutting in the levee crown should be filled and compacted before rutting worsens.					

Photo 1 of 1 : FA_2022_NA0013_334_14_20220822_00004.jpg

Depressions beginning to form in the levee crown from vehicle traffic.
(Spring 2022)

* 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 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	25
LM End	1.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260250 °	37.260250 °
				-120.288141 °	-120.288141 °
DWR ID	23076				

Comment Code

Inspector Comment

DS_ID:23076
FS_ID:74650
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 5, Pipe Damage
Crossing Status: Found
UCIP Comments: 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No issues observed during inspection. (M.Thao - DWR UCIP)
09/01/2016: Per Mike Walejko, WS outlet has been cleared. See photos. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/23/2016: LS inlet is clear. WS outlet is still buried. Cracks on crown characteristic of entire left bank and not associated with the crossing at this location. (K. Fazel - UCIP)09/17/2013:- significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe buried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe buried. Needs clearing and removal of vegetations and silts. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.24). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.24), listed as 24-inch pipe].
FS Date: 4/14/2022

Photo 1 of 2 : UCIP_FA_2022_74650_111587.jpg



LS view: Concrete headwall and pipe inlet at toe.

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

Levee Inspection Report By Mile - Fall 2022

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/04/2022 10/04/2022	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	25 (cont)
LM End	1.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260250 °	37.260250 °
				-120.288141 °	-120.288141 °
DWR ID	23076				

Photo 2 of 2 : UCIP_FA_2022_74650_111588.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

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