

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin**

NA0013 Merced Streams Group	Overall LMA Rating	Total LMA Miles						
	<b>U</b>	<b>6.31</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	3.24	7.78	34.36	544.78%				
Trim / Thin Trees	0.01		0.01	0.16%				
Encroachments	0.01		0.01	0.16%	0.01	0.07		
Animal Control	1.07		1.07	16.97%				
Slope Stability	0.01		0.01	0.16%				
Erosion / Bank Caving	0.02		0.02	0.32%				
Crown Surface / Depressions / Rutting	2.56	0.01	2.60	41.22%				
Repair Gates	0.01		0.01	0.16%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.02			
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	6.93	7.79	38.09	603.92%	0.03	0.07	0.00	0.00

Unit No. 01 Black Rascal Diversion RB NA0013	Overall Unit Rating	Total Unit Miles						
	<b>U</b>	<b>1.61</b>						
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	0.35	2.13	8.87	549.84%				
Encroachments	0.01		0.01	0.62%	0.01	0.04		
Crown Surface / Depressions / Rutting	1.35		1.35	83.68%				
Repair Gates	0.01		0.01	0.62%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	1.72	2.13	10.24	634.76%	0.02	0.04	0.00	0.00

Unit No. 02 Black Rascal Diversion LB NA0013	Overall Unit Rating	Total Unit Miles						
	<b>U</b>	<b>1.85</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.89	0.73	4.81	260.08%				
Encroachments						0.03		
Animal Control	0.55		0.55	29.74%				
Slope Stability	0.01		0.01	0.54%				
Erosion / Bank Caving	0.02		0.02	1.08%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.01			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	2.47	0.73	5.39	291.44%	0.01	0.03	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin (cont.)**

<b>Unit No. 03 Owens Creek Diversion RB</b>		Overall Unit Rating	Total Unit Miles						
NA0013		<b>U</b>	<b>1.43</b>						
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	0.83	2.88	12.35	866.64%					
Trim / Thin Trees	0.01		0.01	0.70%					
Animal Control	0.02		0.02	1.40%					
Crown Surface / Depressions / Rutting	1.21	0.01	1.25	87.72%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>		2.07	2.89	13.63	956.46%	0.00	0.00	0.00	0.00
<b>Unit No. 04 Owens Creek Diversion LB</b>		Overall Unit Rating	Total Unit Miles						
NA0013		<b>U</b>	<b>1.42</b>						
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	0.17	2.04	8.33	586.85%					
Animal Control	0.50		0.50	35.23%					
<i>Supplemental</i>									
DRAFT DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>		0.67	2.04	8.83	622.07%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2019 Levee Inspection Results**

**Merced Streams Group**

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

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Merced Streams Group**

Waterway		Bank	Unit Miles	
Unit No. 01 Black Rascal Diversion		Right	1.61	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/30/2019 - 4/30/2019		10/1/2019 - 10/1/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By			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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/01/2019 10/01/2019	Corey Fujitani

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

No Photos

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

No Photos

LM Start		Rating **	A	Issue No.	<b>6</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		o		o
			o		o
DWR ID	DWR_NA0013_01_f_2016_6				
Comment Code					
Inspector Comment					
Merced Streams Group are trained and prepared for Flood Fight. Refresher training course is being set up.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>9</b>
LM End	<b>0.26</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.314817°	37.318292°	
			-120.396385°	-120.396498°	
DWR ID	DWR_NA0013_01_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_331\_9\_20191007\_00015.jpg



View of landside slope looking upstream. (Fall 2019)

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>2</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.314819°	37.337083°	
			-120.396382°	-120.396560°	
DWR ID	DWR_NA0013_01_f_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control vegetation and remove thorny bushes growing at LM 1.45 to 1.61					

Photo 1 of 1 : FA\_2019\_NA0013\_331\_2\_20191007\_00016.jpg



View of waterside slope looking upstream. (Fall 2019)

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>0.02</b>	Issue Type +	Ma	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					
There is garbage on the waterside slope.					

Photo 1 of 1 : FA\_2019\_NA0013\_331\_11\_20191007\_00017.jpg



Debris and garbage on waterside slope. (Fall 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>0.17</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.315268°	37.317130°	
			-120.396387°	-120.396335°	
DWR ID	DWR_NA0013_01_s_2019_12				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_331\_12\_20190912\_00007.jpg



View of vegetation along levee crown looking upstream. (Spring 2019)

LM Start	<b>0.24</b>	Rating **	U	Issue No.	<b>13</b>
LM End	<b>0.28</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.318126°	37.318628°	
			-120.396401°	-120.396588°	
DWR ID	DWR_NA0013_01_s_2019_13				
Comment Code					
MA : Material					
Inspector Comment					
Material is piled on the landside crown.					

Photo 1 of 1 : FA\_2019\_NA0013\_331\_13\_20190912\_00008.jpg



View of material piled on levee crown. (Spring 2019)

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.318525°	37.337176°	
			-120.396598°	-120.396531°	
DWR ID	DWR_NA0013_01_s_2018_8				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Vehicle tracks and rutting on the crown should be repaired.					

Photo 1 of 2 : FA\_2019\_NA0013\_331\_8\_20190912\_00004.jpg



View of vehicle tracks on levee crown. (Fall 2018)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.318525°	37.337176°
				-120.396598°	-120.396531°
DWR ID	DWR_NA0013_01_s_2018_8				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Vehicle tracks and rutting on the crown should be repaired.					

Photo 2 of 2 : FA\_2019\_NA0013\_331\_8\_20190912\_00005.jpg



Looking downstream at typical view of levee crown (Spring 2018)

LM Start	<b>0.75</b>	Rating **	A/W	Issue No.	<b>14</b>
LM End	<b>0.75</b>	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\_2019\_NA0013\_331\_14\_20190912\_00009.jpg



View of erosion on landside slope. (Spring 2019)

LM Start	<b>0.98</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.20</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.328740°	37.331589°
				-120.396695°	-120.395025°
DWR ID	DWR_NA0013_01_s_2019_15				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/01/2019 10/01/2019	Corey Fujitani

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

Photo 1 of 1 : FA\_2019\_NA0013\_331\_16\_20190912\_00010.jpg



View of barbed wire gate discarded on levee. (Spring 2019)

LM Start	<b>1.26</b>	Rating **	U	Issue No.	<b>10</b>
LM End	<b>1.54</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.332458°	37.336083°
				-120.394762°	-120.396522°
DWR ID	DWR_NA0013_01_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_331\_10\_20191007\_00018.jpg



View of landside slope looking upstream. (Fall 2019)

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>1.27</b>	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					

Photo 1 of 1 : FA\_2019\_NA0013\_331\_18\_20190912\_00011.jpg



View of ramp on waterside slope looking Northeast. (Spring 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.29</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>1.29</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.332805°	37.332805°
				-120.394906°	-120.394906°
DWR ID	23079				
Comment Code					
Inspector Comment					
DS_ID:23079 FS_ID:41672 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 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: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_41672\_35211.jpg



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

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

Photo 2 of 3 : UCIP\_FA\_2019\_41672\_35210.jpg



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

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

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Merced Streams Group**

Waterway		Bank	Unit Miles	
Unit No. 02 Black Rascal Diversion		Left	1.85	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/30/2019 - 4/30/2019		10/1/2019 - 10/1/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By			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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>2</b>
LM End	<b>0.00</b>	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 3 : FA\_2019\_NA0013\_332\_2\_20190912\_00001.jpg



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

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

Photo 2 of 3 : FA\_2019\_NA0013\_332\_2\_20190912\_00002.jpg



No Permit for this filtration system and tank on the easement. No change since last inspection.

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

Photo 3 of 3 : FA\_2019\_NA0013\_332\_2\_20190912\_00003.jpg



No Permit for this filtration system and tank on the easement. 2016

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>11</b>
LM End	<b>0.01</b>	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\_2019\_NA0013\_332\_11\_20190912\_00004.jpg



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

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.337019°	37.337019°
				-120.387539°	-120.387539°
DWR ID	23052				
Comment Code					
Inspector Comment					
DS_ID:23052 FS_ID:21263 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/17/2013 - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault.- a concrete standpipe and CM pipe riser on WS. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 5 feet below the crown. Riser on the landside (LS). Screw gate in a 36-inch pipe well on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.00)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_21263\_35761.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.337019°	37.337019°
				-120.387539°	-120.387539°
DWR ID	23052				
Comment Code					
Inspector Comment					
DS_ID:23052 FS_ID:21263 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/17/2013 - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault.- a concrete standpipe and CM pipe riser on WS. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 5 feet below the crown. Riser on the landside (LS). Screw gate in a 36-inch pipe well on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.00)]. FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_21263\_35760.jpg



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

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_21263\_35764.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336745°	37.335900°
				-120.388077°	-120.389423°
DWR ID	DWR_NA0013_02_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					



LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336463°	37.333587°
				-120.388432°	-120.393118°
DWR ID	DWR_NA0013_02_f_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.29</b>	Rating **	A/W	Issue No.	<b>32</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.336006°	37.336006°	
			-120.392011°	-120.392011°	
DWR ID	23053				
Comment Code					
Inspector Comment					
DS_ID:23053 FS_ID:50156 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.29)]. FS Date: 8/23/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50156\_35245.jpg



WS view: cobble spillway and channel on waterside.

LM Start	<b>0.29</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_50156\_35244.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.29</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.336006 °	37.336006 °
				-120.392011 °	-120.392011 °
DWR ID	23053				
Comment Code					
Inspector Comment					
DS_ID:23053 FS_ID:50156 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.29)]. FS Date: 8/23/2016					

Photo 3 of 3 : UCIP\_FA\_2019\_50156\_35246.jpg



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

LM Start	<b>0.44</b>	Rating **	C	Issue No.	<b>23</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.333947 °	37.333184 °
				-120.392654 °	-120.394062 °
DWR ID	DWR_NA0013_02_s_2019_23				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.333180°	37.333180°
				-120.394069°	-120.394069°
DWR ID	23054				
Comment Code					
Inspector Comment					
DS_ID:23054 FS_ID:20946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_20946\_35264.jpg



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

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331605°	37.328935°
				-120.394250°	-120.396028°
DWR ID	DWR_NA0013_02_f_2019_17				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_332\_17\_20191008\_00044.jpg



View of vegetation along levee crown looking downstream. (Fall 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.65</b>	Rating **	U	Issue No.	<b>14</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331603°	37.325383°
				-120.394248°	-120.396020°
DWR ID	DWR_NA0013_02_f_2019_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					



LM Start	<b>0.65</b>	Rating **	U	Issue No.	<b>13</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331605°	37.327978°
				-120.394265°	-120.396042°
DWR ID	DWR_NA0013_02_f_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>0.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.330525°	37.330525°	
			-120.395132°	-120.395132°	
DWR ID	23055				
Comment Code					
Inspector Comment					
DS_ID:23055 FS_ID:20992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 inlet pipe buried. (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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.73)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_20992\_35370.jpg



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

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_20992\_35369.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.330525°	37.330525°
				-120.395132°	-120.395132°
DWR ID	23055				
Comment Code					
Inspector Comment					
DS_ID:23055 FS_ID:20992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. Amaty)					
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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.73)]. FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_20992\_35366.jpg



LS view: concrete headwall and CM pipe. Half of intet pipe burried.

LM Start	<b>0.75</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.330340°	37.330340°
				-120.395288°	-120.395288°
DWR ID	DWR_NA0013_02_f_2018_22				
Comment Code					
S3 : 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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.88</b>	Rating **	C	Issue No.	<b>27</b>
LM End	<b>0.88</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.328638°	37.328638°
				-120.396057°	-120.396057°
DWR ID	DWR_NA0013_02_s_2019_27				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Maintain vegetation along the levee crown path.					

No Photos

LM Start	<b>0.88</b>	Rating **	U	Issue No.	<b>24</b>
LM End	<b>0.88</b>	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					
TR : Tree or limb					
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 4 : FA\_2019\_NA0013\_332\_24\_20190912\_00011.jpg



Unauthorized encroachment placed on the landside shoulder and berm.

LM Start	<b>0.88</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>0.88</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : FA\_2019\_NA0013\_332\_24\_20190912\_00012.jpg



Another view of unauthorized structure.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.88</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>0.88</b>	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					
TR : Tree or limb					
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 3 of 4 : FA\_2019\_NA0013\_332\_24\_20190912\_00013.jpg



Unit 2 looking downstream from levee mile 0.88.

LM Start	<b>0.88</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>0.88</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : FA\_2019\_NA0013\_332\_24\_20190912\_00014.jpg



View of encroachment looking downstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.90</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.328283 °	37.328283 °
				-120.396074 °	-120.396074 °
DWR ID	23056				
Comment Code					
Inspector Comment					
DS_ID:23056 FS_ID:20965 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 gravity drainage pipe 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.91)]. FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_20965\_35290.jpg



LS view: two CM pipes and U typed headwall on levee toe. Green vegetation in drainage channel.

LM Start	<b>0.91</b>	Rating **	A/W	Issue No.	<b>36</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.328267 °	37.328267 °
				-120.396084 °	-120.396084 °
DWR ID	23080				
Comment Code					
Inspector Comment					
DS_ID:23080 FS_ID:20983 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 gravity drainage pipe 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.91)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_20983\_35302.jpg



WS view: two CMPs with flap gate, concrete spillway and channel on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.91</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.328267°	37.328267°
				-120.396084°	-120.396084°
DWR ID	23080				
Comment Code					
Inspector Comment					
DS_ID:23080 FS_ID:20983 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 gravity drainage pipe 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.91)]. FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_20983\_35301.jpg



LS view: U typed concrete headwall, two CMPs in drainage ditch. Dense vegetation in drainage ditch.

LM Start	<b>0.91</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_20983\_35300.jpg



LS view: concrete headwall in drainage ditch. Dense vegetation in drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.97</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.327336°	37.327336°
				-120.396085°	-120.396085°
DWR ID	DWR_NA0013_02_f_2017_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is large finger erosion on the landward slope. Couple of smaller erosion sites are starting just downstream of the larger erosion.					

Photo 1 of 3 : FA\_2019\_NA0013\_332\_15\_20190912\_00005.jpg



Looking east at finger erosion on landward slope. (Spring 2018)

LM Start	<b>0.97</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2019\_NA0013\_332\_15\_20190912\_00006.jpg



Looking downstream at finger erosion on landward slope. (Spring 2018)

LM Start	<b>0.97</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2019\_NA0013\_332\_15\_20190912\_00007.jpg



Measurement across erosion at widest point. (Fall 2018)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.10</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.325487°	37.325487°
				-120.396052°	-120.396052°
DWR ID	DWR_NA0013_02_s_2017_16				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Large finger erosion is located on the landside slope.					

Photo 1 of 2 : FA\_2019\_NA0013\_332\_16\_20190912\_00008.jpg



View of large finger erosion in landside slope. (Fall 2018)

LM Start	<b>1.10</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_NA0013\_332\_16\_20190912\_00009.jpg



Measurement across finger erosion. (Fall 2018)

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>1.79</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.325000°	37.315532°
				-120.396015°	-120.395783°
DWR ID	DWR_NA0013_02_f_2019_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.30</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>1.85</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.322518°	37.314652°	
			-120.396042°	-120.395827°	
DWR ID	DWR_NA0013_02_f_2017_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is rodent activity on the landside slope.					

Photo 1 of 1 : FA\_2019\_NA0013\_332\_18\_20190912\_00010.jpg



View of rodent activity on the landside slope.

LM Start	<b>1.30</b>	Rating **	A/W	Issue No.	<b>37</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.322499°	37.322499°	
			-120.396045°	-120.396045°	
DWR ID	23057				
Comment Code					
Inspector Comment					
DS_ID:23057 FS_ID:20984 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.32)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_20984\_35305.jpg



WS view: U type concrete headwall and channel on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.30</b>	Rating **	A/W	Issue No.	<b>37 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.322499°	37.322499°
				-120.396045°	-120.396045°
DWR ID	23057				
Comment Code					
Inspector Comment					
DS_ID:23057 FS_ID:20984 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.32)]. FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_20984\_35304.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. It was working during field inspection.

LM Start	<b>1.30</b>	Rating **	A/W	Issue No.	<b>37 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_20984\_35303.jpg



LS view: concrete headwall on levee toe and drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>1.79</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.322385°	37.315407°	
			-120.395990°	-120.395787°	
DWR ID	DWR_NA0013_02_f_2019_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.52</b>	Rating **	C	Issue No.	<b>29</b>
LM End	<b>1.52</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.319367°	37.319367°	
			-120.396030°	-120.396030°	
DWR ID	DWR_NA0013_02_s_2019_29				
Comment Code					
GA : Garbage					
Inspector Comment					
There is trash left on the waterside of the levee crown.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.318015°	37.318015°
				-120.395738°	-120.395738°
DWR ID	23058				
Comment Code					
Inspector Comment					
DS_ID:23058 FS_ID:42993 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.64)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_42993\_35310.jpg



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

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_42993\_35309.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.318015 °	37.318015 °
				-120.395738 °	-120.395738 °
DWR ID	23058				
Comment Code					
Inspector Comment					
DS_ID:23058 FS_ID:42993 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.64)]. FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_42993\_35312.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning. Part of inlet pipe buried.

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>1.66</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.317984 °	37.317361 °
				-120.395758 °	-120.395748 °
DWR ID	DWR_NA0013_02_s_2019_30				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_332\_30\_20190912\_00017.jpg



View along levee crown looking downstream. (Spring 2019)

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

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Merced Streams Group**

Waterway		Bank	Unit Miles
Unit No. 03 Owens Creek Diversion		Right	1.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>
Date of Inspection	4/30/2019 - 4/30/2019		10/1/2019 - 10/1/2019
DWR Inspector	Corey Fujitani		Corey Fujitani
Accompanied By			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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>10</b>
LM End	<b>0.34</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.257654 °	37.262447 °	
			-120.288501 °	-120.288363 °	
DWR ID	DWR_NA0013_03_f_2019_10				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_333\_10\_20191008\_00027.jpg



View of levee crown looking downstream. (Fall 2019)

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>12</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.257654 °	37.273110 °	
			-120.288501 °	-120.280280 °	
DWR ID	DWR_NA0013_03_f_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_NA0013\_333\_12\_20191008\_00030.jpg



View of landside slope looking downstream at LM 0.34. (Fall 2019)

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_NA0013\_333\_12\_20191008\_00031.jpg



View of landside slope looking upstream at LM 0.44. (Fall 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>13</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.257654 °	37.273113 °	
			-120.288501 °	-120.280288 °	
DWR ID	DWR_NA0013_03_f_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_NA0013\_333\_13\_20191008\_00028.jpg



View of waterside slope looking downstream at LM 0.34. (Fall 2019)

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>13 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2019\_NA0013\_333\_13\_20191008\_00029.jpg



View of waterside slope looking upstream at LM 0.44. (Fall 2019)

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.258235 °	37.272856 °	
			-120.288435 °	-120.280294 °	
DWR ID	DWR_NA0013_03_s_2018_11				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Spray herbicide and add gravel to improve all weather surface.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.39</b>	Rating **	A/W	Issue No.	<b>20</b>
LM End	<b>0.39</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.263182°	37.263182°
				-120.288239°	-120.288239°
DWR ID	23061				
Comment Code					
Inspector Comment					
DS_ID:23061 FS_ID:50144 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.40)]. FS Date: 9/1/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50144\_35422.jpg



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

LM Start	<b>0.39</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_50144\_35421.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.39</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.263182°	37.263182°
				-120.288239°	-120.288239°
DWR ID	23061				
Comment Code					
Inspector Comment					
DS_ID:23061 FS_ID:50144 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.40)]. FS Date: 9/1/2016					

Photo 3 of 3 : UCIP\_FA\_2019\_50144\_35420.jpg



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

LM Start	<b>0.44</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263977°	37.273125°
				-120.288480°	-120.280300°
DWR ID	DWR_NA0013_03_f_2019_18				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_333\_18\_20191008\_00032.jpg



View of levee crown looking upstream. (Fall 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>21</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.265894 °	37.265894 °
				-120.288295 °	-120.288295 °
DWR ID	23062				
Comment Code					
Inspector Comment					
DS_ID:23062 FS_ID:50149 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.59), referenced as 10 feet below the crown]. FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50149\_35535.jpg



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

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_50149\_35534.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>22</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID	23063				
Comment Code					
Inspector Comment					
DS_ID:23063 FS_ID:50151 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.80), referenced as 10 feet below the crown]. FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50151\_35539.jpg



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

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>22 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_50151\_35538.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>22 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID	23063				
Comment Code					
Inspector Comment					
DS_ID:23063 FS_ID:50151 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.80), referenced as 10 feet below the crown]. FS Date: 9/7/2016					

Photo 3 of 3 : UCIP\_FA\_2019\_50151\_35541.jpg



LS view: concrete headwall and CM pipe.

LM Start	<b>0.99</b>	Rating **	U	Issue No.	<b>9</b>
LM End	<b>0.99</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.270874 °	37.270874 °
				-120.284058 °	-120.284058 °
DWR ID	DWR_NA0013_03_f_2017_9				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair rutted crossing over storm drain, restore grade and add gravel.					

Photo 1 of 2 : FA\_2019\_NA0013\_333\_9\_20191008\_00034.jpg



View of rutted levee crown looking upstream. (Fall 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.99</b>	Rating **	U	Issue No.	<b>9 (cont)</b>
LM End	<b>0.99</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.270874 °	37.270874 °
				-120.284058 °	-120.284058 °
DWR ID	DWR_NA0013_03_f_2017_9				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair rutted crossing over storm drain, restore grade and add gravel.					

Photo 2 of 2 : FA\_2019\_NA0013\_333\_9\_20190912\_00001.jpg



Repair rutted crossing over storm drain. Restore grade and add gravel.

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID	23064				
Comment Code					
Inspector Comment					
DS_ID:23064 FS_ID:50152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS outlet has been cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS. (K. Fazel - UCIP)09/2013:- vegetations need to be removed from spillway and outlet at flapgate (blocked). It needs clearing.- more than half of inlet pipe was buried in inlet. It needs cleaning & clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.04), O&M Manual reads "HLM 0.04" by mistake]. FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50152\_35544.jpg



WS view: cobble spillway and channel on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID	23064				
Comment Code					
Inspector Comment					
DS_ID:23064 FS_ID:50152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS outlet has been cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS. (K. Fazel - UCIP)09/2013:- vegetations need to be removed from spillway and outlet at flapgate (blocked). It needs clearing.- more than half of inet pipe was burried 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.04), O&M Manual reads "HLM 0.04" by mistake]. FS Date: 9/7/2016					

Photo 2 of 3 : UCIP\_FA\_2019\_50152\_35543.jpg



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

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_50152\_35542.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.272193°	37.272193°
				-120.281805°	-120.281805°
DWR ID	23065				
Comment Code					
Inspector Comment					
DS_ID:23065 FS_ID:21063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.17)]. FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_21063\_35500.jpg



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

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

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.25</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.272801 °	37.272801 °
				-120.280304 °	-120.280304 °
DWR ID	DWR_NA0013_03_f_2018_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_333\_16\_20190912\_00002.jpg



View of tree on landside slope. (Fall 2018)

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.273082 °	37.273082 °
				-120.280288 °	-120.280288 °
DWR ID	23066				
Comment Code					
Inspector Comment					
DS_ID:23066 FS_ID:21064 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.29)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_21064\_35506.jpg



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

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

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Merced Streams Group**

Waterway		Bank	Unit Miles	
Unit No. 04 Owens Creek Diversion		Left	1.42	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/30/2019 - 4/30/2019		10/1/2019 - 10/1/2019	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By			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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.01</b>	Rating **	C	Issue No.	<b>22</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273313°	37.272995°
				-120.277840°	-120.279976°
DWR ID	DWR_NA0013_04_s_2019_22				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.273295°	37.273295°
				-120.279673°	-120.279673°
DWR ID	23068				
Comment Code					
Inspector Comment					
DS_ID:23068 FS_ID:42991 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.10)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_42991\_35751.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.273295°	37.273295°
				-120.279673°	-120.279673°
DWR ID	23068				
Comment Code					
Inspector Comment					
DS_ID:23068 FS_ID:42991 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.10)]. FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_42991\_35750.jpg



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

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_42991\_35749.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.15</b>	Rating **	<b>C</b>	Issue No.	<b>25</b>
LM End	<b>1.03</b>	Issue Type +	<b>Ma</b>	Location *	<b>CR</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.272885°	37.262808°	
			-120.280000°	-120.287890°	
DWR ID	DWR_NA0013_04_s_2019_25				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	<b>0.15</b>	Rating **	<b>U</b>	Issue No.	<b>15</b>
LM End	<b>1.02</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.272823°	37.263038°	
			-120.279993°	-120.287805°	
DWR ID	DWR_NA0013_04_f_2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_334\_15\_20191008\_00033.jpg



Looking downstream along waterside slope. (Fall 2019)

LM Start	<b>0.15</b>	Rating **	<b>U</b>	Issue No.	<b>16</b>
LM End	<b>0.81</b>	Issue Type +	<b>Ma</b>	Location *	<b>LS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.272808°	37.265972°	
			-120.280003°	-120.287727°	
DWR ID	DWR_NA0013_04_f_2019_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_334\_16\_20191008\_00034.jpg



Looking downstream along landside slope. (Fall 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.271495°	37.271495°
				-120.282452°	-120.282452°
DWR ID	23070				
Comment Code					
Inspector Comment					
DS_ID:23070 FS_ID:50154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.31)]. FS Date: 9/7/2016					

Photo 3 of 3 : UCIP\_FA\_2019\_50154\_35606.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.45</b>	Rating **	A/W	Issue No.	<b>29</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.270318°	37.270318°
				-120.284222°	-120.284222°
DWR ID	23071				
Comment Code					
Inspector Comment					
DS_ID:23071 FS_ID:50148 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.45)]. FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50148\_35613.jpg



WS view: Dense vegetation on levee slope and spillway.

LM Start	<b>0.45</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_50148\_35612.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.45</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.270318°	37.270318°
				-120.284222°	-120.284222°
DWR ID	23071				
Comment Code					
Inspector Comment					
DS_ID:23071 FS_ID:50148 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.45)]. FS Date: 9/7/2016					

Photo 3 of 3 : UCIP\_FA\_2019\_50148\_35611.jpg



LS view: concrete headwall and CM pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.268705°	37.268705°	
			-120.285546°	-120.285546°	
DWR ID	23072				
Comment Code					
Inspector Comment					
DS_ID:23072 FS_ID:50155 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.58)]. FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50155\_35642.jpg



WS view: Dense vegetation on levee slope and spillway.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_50155\_35641.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID	23072				
Comment Code					
Inspector Comment					
DS_ID:23072 FS_ID:50155 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.58)]. FS Date: 9/7/2016					

Photo 3 of 3 : UCIP\_FA\_2019\_50155\_35640.jpg



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

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID	23073				
Comment Code					
Inspector Comment					
DS_ID:23073 FS_ID:21126 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.82)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_21126\_35652.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.265948°	37.265948°
				-120.287790°	-120.287790°
DWR ID	23073				
Comment Code					
Inspector Comment					
DS_ID:23073 FS_ID:21126 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.82)]. FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_21126\_35651.jpg



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

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_21126\_35654.jpg



LS view: concrete headwall and CM pipe. Drain pipe was working during field survey.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.01</b>	Rating **	A/W	Issue No.	<b>32</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.263139°	37.263139°	
			-120.287799°	-120.287799°	
DWR ID	23074				
Comment Code					
Inspector Comment					
DS_ID:23074 FS_ID:21127 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.02)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_21127\_35657.jpg



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

LM Start	<b>1.01</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_21127\_35656.jpg



WS view: concrete headwall and concrete spillway on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.01</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.263139°	37.263139°
				-120.287799°	-120.287799°
DWR ID	23074				
Comment Code					
Inspector Comment					
DS_ID:23074 FS_ID:21127 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.02)]. FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_21127\_35655.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Drainage was working during survey.

LM Start	<b>1.07</b>	Rating **	U	Issue No.	<b>11</b>
LM End	<b>1.29</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.262302°	37.259153°
				-120.288180°	-120.288157°
DWR ID	DWR_NA0013_04_f_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_334\_11\_20191008\_00035.jpg



View of waterside slope looking downstream. (Fall 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.07</b>	Rating **	U	Issue No.	<b>12</b>
LM End	<b>1.36</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.262297°	37.258048°	
			-120.288167°	-120.287970°	
DWR ID	DWR_NA0013_04_f_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_334\_12\_20191008\_00036.jpg



View of landside slope looking downstream. (Fall 2019)

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.262207°	37.262207°	
			-120.288149°	-120.288149°	
DWR ID	23075				
Comment Code					
Inspector Comment					
DS_ID:23075 FS_ID:52888 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.10)]. FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_52888\_35709.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	1.08	Rating **	M	Issue No.	33 (cont)
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.262207°	37.262207°
				-120.288149°	-120.288149°
DWR ID	23075				
Comment Code					
Inspector Comment					
DS_ID:23075 FS_ID:52888 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/17/2013 - needs clearing on both inlet and outlet.  - needs vegetations clearing on spillway on waterside and inlet on landside. (DWR UCIP - P. Amaty) 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.10)]. FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_52888\_35708.jpg



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

LM Start	1.08	Rating **	M	Issue No.	33 (cont)
LM End	1.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_52888\_35707.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.262196°	37.259628°
				-120.288137°	-120.288132°
DWR ID	DWR_NA0013_04_s_2019_14				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0013\_334\_14\_20190912\_00002.jpg



View of vegetation along levee crown. (Spring 2019)

LM Start	<b>1.21</b>	Rating **	A/W	Issue No.	<b>34</b>
LM End	<b>1.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.260250°	37.260250°
				-120.288141°	-120.288141°
DWR ID	23076				
Comment Code					
Inspector Comment					
DS_ID:23076 FS_ID:50153 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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 burried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe burried. 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.24)]. FS Date: 9/1/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50153\_35745.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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 2019**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/01/2019 10/01/2019	Corey Fujitani

LM Start	1.21	Rating **	A/W	Issue No.	34 (cont)
LM End	1.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.260250°	37.260250°
				-120.288141°	-120.288141°
DWR ID	23076				
Comment Code					
Inspector Comment					
DS_ID:23076 FS_ID:50153 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.24)]. FS Date: 9/1/2016					

Photo 2 of 3 : UCIP\_FA\_2019\_50153\_35744.jpg



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

LM Start	1.21	Rating **	A/W	Issue No.	34 (cont)
LM End	1.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_50153\_35743.jpg



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

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