

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2016 Levee Inspection Results**  
**Merced Streams Group**

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

\*\* 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**

**Spring 2016 Levee Inspection Results**

**Merced Streams Group**

Waterway		Bank	Unit Miles	
Unit No. 01 Black Rascal Diversion		Right	1.61	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2016 - 4/12/2016			
DWR Inspector	Herman Phillips			
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/12/2016 04/12/2016	Herman Phillips

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

No Photos

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

No Photos

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

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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>2</b>
LM End	<b>0.19</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.314812 °	37.317443 °	
			-120.396380 °	-120.396317 °	
DWR ID	DWR_NA0013_01_s_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild weeds on the landside shoulder and slope.					

Photo 1 of 1 : SP\_2016\_NA0013\_331\_2\_20160506\_00005.jpg



Looking upstream from levee mile 0.01 Unit 1 Black Rascal Creek, tall weeds 24-inches and greater on the landside slope.

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>6</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.314812 °	37.332237 °	
			-120.396380 °	-120.394693 °	
DWR ID	DWR_NA0013_01_s_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the tall weeds on the waterside shoulder and slope.					

Photo 1 of 1 : SP\_2016\_NA0013\_331\_6\_20160506\_00006.jpg



looking upstream levee mile 0.01 -1.25 unwanted tall weeds are present on the waterside shoulder and slope.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.315320 °	37.337097 °
				-120.396370 °	-120.396520 °
DWR ID	DWR_NA0013_01_s_2016_13				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
District need to add appropriate gravel or road base where needed and regrade for proper drainage.					

No Photos

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.315320 °	37.317233 °
				-120.396368 °	-120.396322 °
DWR ID	DWR_NA0013_01_s_2016_10				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	<b>0.24</b>	Rating **	U	Issue No.	<b>11</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.318130 °	37.332237 °
				-120.396382 °	-120.394693 °
DWR ID	DWR_NA0013_01_s_2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the tall weeds on the landside slope.					

Photo 1 of 1 : SP\_2016\_NA0013\_331\_11\_20160506\_00007.jpg



Looking upstream from the landside of levee mile 0.24-1.25 weeds taller than 24" on the slope.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>0.37</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.318523 °	37.319920 °	
			-120.396642 °	-120.396582 °	
DWR ID	DWR_NA0013_01_s_2016_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair the crown damaged by vehicle.					

Photo 1 of 1 : SP\_2016\_NA0013\_331\_12\_20160506\_00008.jpg



Looking upstream from levee mile 0.27- 0.37 crown roadway damage by vehicle.

LM Start	<b>0.73</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>0.80</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.325163 °	37.326190 °	
			-120.396640 °	-120.396660 °	
DWR ID	DWR_NA0013_01_s_2016_14				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	<b>0.98</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.328857 °	37.332237 °	
			-120.396677 °	-120.394693 °	
DWR ID	DWR_NA0013_01_s_2016_15				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.24</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>1.24</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.332165 °	37.332165 °
				-120.394698 °	-120.394698 °
DWR ID	DWR_NA0013_01_f_2014_4				
Comment Code					
Inspector Comment					
This wire gate across the crown roadway needs to be replaced.					

Photo 1 of 1 : SP\_2016\_NA0013\_331\_4\_20160223\_00001.jpg



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

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.332563 °	38.337097 °
				-120.394765 °	-120.396520 °
DWR ID	DWR_NA0013_01_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the tall weeds 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.35</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.333693 °	37.337097 °	
			-120.395177 °	-120.396520 °	
DWR ID	DWR_NA0013_01_s_2016_17				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
The crown roadway should be free of vegetation.					

No Photos

LM Start	<b>1.41</b>	Rating **	U	Issue No.	<b>18</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.334533 °	37.337097 °	
			-120.395398 °	-120.396520 °	
DWR ID	DWR_NA0013_01_s_2016_18				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
This vehicle damage would be prevented if the crown road way had appropriate road base placed and graded.					

Photo 1 of 1 : SP\_2016\_NA0013\_331\_18\_20160506\_00009.jpg



Looking upstream from the levee miles 1.41 to 1.61 soft crown roadway. Not enough appropriate gravel and or road 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**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Merced Streams Group**

Waterway		Bank	Unit Miles	
Unit No. 02 Black Rascal Diversion		Left	1.85	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2016 - 4/12/2016			
DWR Inspector	Herman Phillips			
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

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 2 : SP\_2016\_NA0013\_332\_2\_20160223\_00001.jpg



This filtration has no CVFPB Permit.

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 2 : SP\_2016\_NA0013\_332\_2\_20160223\_00002.jpg



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

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>0.61</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.337008 °	37.332155 °	
			-120.387457 °	-120.394130 °	
DWR ID	DWR_NA0013_02_s_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_NA0013\_332\_10\_20160506\_00021.jpg



Looking downstream from levee miles 0.01-0.61 waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

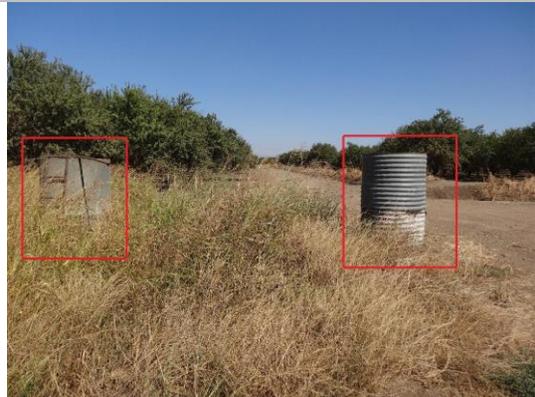
LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>0.61</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.337008 °	37.332155 °	
			-120.387457 °	-120.394130 °	
DWR ID	DWR_NA0013_02_s_2016_8				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Crown roadway should be free of vegetation.					

Photo 1 of 1 : SP\_2016\_NA0013\_332\_8\_20160506\_00020.jpg



LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.337019 °	37.337019 °	
			-120.387539 °	-120.387539 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21263 DS_ID:23052 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault.- a concrete standpipe and CM pipe riser on WS. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 5.0 feet below the crown, riser on the landward side, screw gate in a 36-inch pipe well on the waterward slope (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.337019 °	37.337019 °
				-120.387539 °	-120.387539 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21263 DS_ID:23052 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault. - a concrete standpipe and CM pipe riser on WS. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 5.0 feet below the crown, riser on the landward side, screw gate in a 36-inch pipe well on the waterward slope (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP\_SP\_2016\_21263\_35760.jpg



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

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>0.02</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.336973 °	37.336973 °
				-120.387750 °	-120.387750 °
DWR ID	DWR_NA0013_02_s_2016_11				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_NA0013\_332\_11\_20160506\_00022.jpg



Looking downstream from levee mile 0.02 farm equipment placed on the landward toe.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.29</b>	Rating **	U	Issue No.	<b>28</b>
LM End	<b>0.29</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336006°	37.336006°
				-120.392011°	-120.392011°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41261 DS_ID:23053 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_41261\_35245.jpg



WS view: cobble spillway and channel on waterside.

LM Start	<b>0.29</b>	Rating **	U	Issue No.	<b>28 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_41261\_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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

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

Photo 1 of 2 : UCIP\_SP\_2016\_20946\_35266.jpg



WS view: cobble spillway and channel on waterside.

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_20946\_35265.jpg



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

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.61</b>	Rating **	U	Issue No.	<b>12</b>
LM End	<b>1.82</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.332155 °	37.314999 °	
			-120.394130 °	-120.395745 °	
DWR ID	DWR_NA0013_02_s_2016_12				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth from the waterside levee slope.					

Photo 1 of 1 : SP\_2016\_NA0013\_332\_12\_20160506\_00025.jpg



Looking downstream from levee mile 0.61-1.85 weeds taller than 2.0 foot on the waterside slope.

LM Start	<b>0.62</b>	Rating **	U	Issue No.	<b>13</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.332042 °	37.328865 °	
			-120.394105 °	-120.396062 °	
DWR ID	DWR_NA0013_02_s_2016_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the tall weeds from the landside levee section.					

Photo 1 of 1 : SP\_2016\_NA0013\_332\_13\_20160506\_00026.jpg



Looking downstream from the landward shoulder unwanted tall weeds present on the slope.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.63</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.331915 °	37.327937 °	
			-120.394162 °	-120.396085 °	
DWR ID	DWR_NA0013_02_s_2016_14				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	<b>0.73</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.330573 °	37.327937 °	
			-120.395117 °	-120.396085 °	
DWR ID	DWR_NA0013_02_s_2016_15				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

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

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP\_SP\_2016\_20992\_35370.jpg



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

Photo 2 of 2 : UCIP\_SP\_2016\_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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.86</b>	Rating **	A/W	Issue No.	<b>16</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.328865 °	37.327937 °	
			-120.396062 °	-120.396085 °	
DWR ID	DWR_NA0013_02_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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					
BU : Building					
Inspector Comment					
This structure placed on the landside toe doesn't have a CFVPB Permit. Landowner is in process of getting a permit.					

Photo 1 of 2 : SP\_2016\_NA0013\_332\_24\_20160506\_00024.jpg



View looking upstream.

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 2 : SP\_2016\_NA0013\_332\_24\_20160506\_00023.jpg



Unauthorized encroachment reported last inspection at levee mile 0.88 looking downstream.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.97</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.327340 °	37.327340 °	
			-120.396080 °	-120.396080 °	
DWR ID	DWR_NA0013_02_s_2016_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	<b>1.10</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.325510 °	37.325510 °	
			-120.396050 °	-120.396050 °	
DWR ID	DWR_NA0013_02_s_2016_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	<b>1.30</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.322493 °	37.322493 °	
			-120.396020 °	-120.396020 °	
DWR ID	DWR_NA0013_02_s_2016_19				
Comment Code					
S1 : Repair slope instability.					
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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.318015 °	37.318015 °
				-120.395738 °	-120.395738 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42993 DS_ID:23058 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs cleaning of debris on spillway on WS. Flapgate blocked by debris on WS. - needs cleaning inside CMP on LS FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP\_SP\_2016\_42993\_35309.jpg



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

LM Start	<b>1.63</b>	Rating **	U	Issue No.	<b>21</b>
LM End	<b>1.85</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.317798 °	37.314609 °
				-120.395720 °	-120.395807 °
DWR ID	DWR_NA0013_02_s_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild growth from the landside slope levee miles 1.63-1.85.					

Photo 1 of 1 : SP\_2016\_NA0013\_332\_21\_20160506\_00027.jpg



Looking downstream from levee miles 1.63-1.85 landside slope covered with tall weeds.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.63</b>	Rating **	U	Issue No.	<b>22</b>
LM End	<b>1.85</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.317798 °	37.314609 °	
			-120.395720 °	-120.395807 °	
DWR ID	DWR_NA0013_02_s_2016_22				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep the crown roadway free of all vegetation.					

Photo 1 of 1 : SP\_2016\_NA0013\_332\_22\_20160506\_00028.jpg



LM Start	<b>1.63</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.63</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.317775 °	37.317775 °	
			-120.395732 °	-120.395732 °	
DWR ID	DWR_NA0013_02_s_2016_23				
Comment Code					
TR : Tree or limb					
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  
Unit Cover Sheet  
Spring 2016 Levee Inspection Results  
Merced Streams Group**

Waterway		Bank	Unit Miles	
Unit No. 03 Owens Creek Diversion		Right	1.43	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2016 - 4/12/2016			
DWR Inspector	Herman Phillips			
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>8</b>
LM End	<b>0.35</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.257738 °	37.262640 °	
			-120.288518 °	-120.288618 °	
DWR ID	DWR_NA0013_03_s_2016_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unwanted tall weeds from the landward slope and toe.					

Photo 1 of 1 : SP\_2016\_NA0013\_333\_8\_20160506\_00024.jpg



Looking upstream from levee mile 0.00 - 0.35 landside slope over grown with tall weed growth.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>9</b>
LM End	<b>0.35</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.257738 °	37.262640 °	
			-120.288518 °	-120.288618 °	
DWR ID	DWR_NA0013_03_s_2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Unable to see the slope weeds taller than 5.0 foot blocking view levee section.					

Photo 1 of 1 : SP\_2016\_NA0013\_333\_9\_20160506\_00023.jpg



Looking upstream levee mile 0.00 -0.35 weeds taller than 5.0-foot present on the slope and shoulder.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.19</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.19</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260355 °	37.260355 °
				-120.288517 °	-120.288517 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41815 DS_ID:23060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - more than a half of inet pipe burried on LS. - needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP\_SP\_2016\_41815\_35532.jpg



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

LM Start	<b>0.39</b>	Rating **	U	Issue No.	<b>27</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263182 °	37.263182 °
				-120.288239 °	-120.288239 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42989 DS_ID:23061 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to abandoned properly. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_42989\_35422.jpg



WS view: U typed concrete headwall, 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.39</b>	Rating **	U	Issue No.	<b>27 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263182 °	37.263182 °
				-120.288239 °	-120.288239 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42989 DS_ID:23061 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to abandoned properly. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013					

Photo 2 of 2 : UCIP\_SP\_2016\_42989\_35421.jpg



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

LM Start	<b>0.41</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263368 °	37.266193 °
				-120.288623 °	-120.288037 °
DWR ID	DWR_NA0013_03_s_2016_11				
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	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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.42</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.263628 °	37.266193 °	
			-120.288635 °	-120.288037 °	
DWR ID	DWR_NA0013_03_s_2016_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>0.42</b>	Rating **	U	Issue No.	<b>12</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.263628 °	37.272905 °	
			-120.288635 °	-120.280283 °	
DWR ID	DWR_NA0013_03_s_2016_12				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : SP\_2016\_NA0013\_333\_12\_20160506\_00026.jpg



looking upstream from levee mile 0.42 Crown road covered with vegetation.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265894 °	37.265894 °
				-120.288295 °	-120.288295 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21068 DS_ID:23062 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing and cleaning on inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21068\_35535.jpg



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

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_SP\_2016\_21068\_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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.60</b>	Rating **	U	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	Vegetation		37.266193 °	37.272905 °	
			-120.288037 °	-120.280283 °	
DWR ID	DWR_NA0013_03_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the weed growth on the landside slope.					

Photo 1 of 1 : SP\_2016\_NA0013\_333\_16\_20160506\_00027.jpg



Looking upstream from levee mile 0.60- 1.25 landside slope.

LM Start	<b>0.60</b>	Rating **	U	Issue No.	<b>17</b>
LM End	<b>1.41</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.266193 °	37.273638 °	
			-120.288037 °	-120.277840 °	
DWR ID	DWR_NA0013_03_s_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the weed growth on the waterside slope.					

Photo 1 of 1 : SP\_2016\_NA0013\_333\_17\_20160506\_00028.jpg



Looking upstream from the waterside slope levee mile 0.60- 1.41.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>0.79</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>0.79</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21069 DS_ID:23063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on WS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21069\_35539.jpg



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

LM Start	<b>0.79</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2016\_21069\_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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>1.02</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42992 DS_ID:23064 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - vegetations need to be removed from spillway and outlet at flaggate (blocked). It needs clearing.- more than half of inet pipe was burried in inlet. It needs cleaning & clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_42992\_35544.jpg



WS view: cobble spillway and channel on waterside.

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2016\_42992\_35543.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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>1.15</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272193 °	37.272193 °
				-120.281805 °	-120.281805 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21063 DS_ID:23065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21063\_35502.jpg



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

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2016\_21063\_35501.jpg



LS view: concrete headwall and CM pipe. Inlet 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.22</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.272587 °	37.272905 °	
			-120.280683 °	-120.280283 °	
DWR ID	DWR_NA0013_03_s_2016_19				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Bait stations need to be installed on the landside levee section.					

No Photos

LM Start	<b>1.22</b>	Rating **	U	Issue No.	<b>20</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.272587 °	37.272905 °	
			-120.280683 °	-120.280283 °	
DWR ID	DWR_NA0013_03_s_2016_20				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Bait stations are needed at this location and where rodents are active.					

Photo 1 of 1 : SP\_2016\_NA0013\_333\_20\_20160506\_00029.jpg



Looking upstream from levee mile 1.22 active rodents seen in area.

LM Start	<b>1.22</b>	Rating **	U	Issue No.	<b>21</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.272587 °	37.272905 °	
			-120.280683 °	-120.280283 °	
DWR ID	DWR_NA0013_03_s_2016_21				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Treat the rodents and back fill the borrows.					

Photo 1 of 1 : SP\_2016\_NA0013\_333\_21\_20160506\_00030.jpg



Rodent holes in crown roadway.

<b>* Location</b> LS : Land Side 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/12/2016 04/12/2016	Herman Phillips

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.27</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273082 °	37.273082 °
				-120.280288 °	-120.280288 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21064 DS_ID:23066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013					

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP\_SP\_2016\_21064\_35506.jpg



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

Photo 2 of 2 : UCIP\_SP\_2016\_21064\_35505.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**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Merced Streams Group**

Waterway	Bank	Unit Miles
Unit No. 04 Owens Creek Diversion	Left	1.42

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/13/2016 - 4/13/2016			
DWR Inspector	Herman Phillips			
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>9</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.272933 °	37.272927 °	
			-120.278038 °	-120.280037 °	
DWR ID	DWR_NA0013_04_s_2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Levee mile 0.02 to 0.14 landside over grown with tall weeds. Spray or mow to control the wild growth.					

Photo 1 of 1 : SP\_2016\_NA0013\_334\_9\_20160510\_00025.jpg



NA0013 Unit 4 Levee mile 0.02 -0.14 landside and crown roadway covered with unwanted tall weeds. This section is more of a patrol road and not considered a levee. The actual levee begins once you cross Mission.

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>0.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.273295 °	37.273295 °	
			-120.279673 °	-120.279673 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42991 DS_ID:23068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_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 N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.11</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42991 DS_ID:23068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP\_SP\_2016\_42991\_35750.jpg



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

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.272927 °	37.262560 °
				-120.280037 °	-120.288507 °
DWR ID	DWR_NA0013_04_s_2016_10				
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	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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.15</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>0.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.272882°	37.272312°	
			-120.280003°	-120.280842°	
DWR ID	DWR_NA0013_04_s_2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.272487°	37.262560°	
			-120.280187°	-120.288507°	
DWR ID	DWR_NA0013_04_s_2016_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.272487°	37.262560°	
			-120.280187°	-120.288507°	
DWR ID	DWR_NA0013_04_s_2016_13				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>0.18</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272437 °	37.272437 °
				-120.280260 °	-120.280260 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42990 DS_ID:23069 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_42990\_35748.jpg



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

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2016\_42990\_35747.jpg



LS view: concrete headwall and CM pipe. Inlet 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.22</b>	Rating **	U	Issue No.	<b>14</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.272312 °	37.265843 °
				-120.280842 °	-120.287897 °
DWR ID	DWR_NA0013_04_s_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_NA0013\_334\_14\_20160510\_00026.jpg



NA0013 Unit 4 looking downstream landside slope over grown with tall unwanted weeds.

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>0.32</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271495 °	37.271495 °
				-120.282452 °	-120.282452 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21105 DS_ID:23070 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on waterside.- inlet on landside needs clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21105\_35608.jpg



WS view: 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271495 °	37.271495 °
				-120.282452 °	-120.282452 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21105 DS_ID:23070 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on waterside.- inlet on landside needs clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 2 : UCIP\_SP\_2016\_21105\_35607.jpg



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

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.271388 °	37.262560 °
				-120.282633 °	-120.288507 °
DWR ID	DWR_NA0013_04_s_2016_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  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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.45</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>0.45</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.270318 °	37.270318 °
				-120.284222 °	-120.284222 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21106 DS_ID:23071 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - vegetations clearing on spillway area. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21106\_35613.jpg



WS view: Dense vegetation on levee slope and spillway.

LM Start	<b>0.45</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_SP\_2016\_21106\_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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21124 DS_ID:23072 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both levee sides. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21124\_35642.jpg



WS view: Dense vegetation on levee slope and spillway.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_SP\_2016\_21124\_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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>0.81</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21126 DS_ID:23073 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21126\_35652.jpg



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

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_SP\_2016\_21126\_35651.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>1.06</b>	Rating **	U	Issue No.	<b>18</b>
LM End	<b>1.42</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.262560 °	37.257311 °	
			-120.288507 °	-120.288288 °	
DWR ID	DWR_NA0013_04_s_2016_18				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
NA0013 Unit 4 levee mile 1.06- 1.42 mow and spray these tall unwanted weeds that are taller than 4.0 foot completely blocking the view of the entire levee section, crown and both slopes.					

Photo 1 of 1 : SP\_2016\_NA0013\_334\_18\_20160510\_00028.jpg



NA0013 Unit 4 looking downstream at the crown roadway weeds taller than 4.0 foot covering the entire levee section, crown and both slopes.

LM Start	<b>1.06</b>	Rating **	U	Issue No.	<b>16</b>
LM End	<b>1.42</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.262560 °	37.257311 °	
			-120.288510 °	-120.288288 °	
DWR ID	DWR_NA0013_04_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the tall unwanted weeds on the landside levee slope.					

Photo 1 of 1 : SP\_2016\_NA0013\_334\_16\_20160510\_00027.jpg



NA0013 Unit 4 levee miles 1.06- 1.42 tall unwanted weeds covering the shoulder and landside slope.

<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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>1.08</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.262207 °	37.262207 °	
			-120.288149 °	-120.288149 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21210 DS_ID:23075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_21210\_35709.jpg



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

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_21210\_35708.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Spillway 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 - Spring 2016**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/13/2016 04/13/2016	Herman Phillips

LM Start	1.21	Rating **	U	Issue No.	24
LM End	1.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260250 °	37.260250 °
				-120.288141 °	-120.288141 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42859 DS_ID:23076 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe burried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe burried. Needs clearing and removal of vegetations and silts. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_42859\_35745.jpg



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

LM Start	1.21	Rating **	U	Issue No.	24 (cont)
LM End	1.21	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_42859\_35744.jpg



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

<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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