

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2012 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.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Spring 2012 Levee Inspection Results
Merced Streams Group**

Waterway	Bank	Unit Miles
Unit No. 01 Black Rascal Diversion	Right	1.64

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/19/2012 - 4/19/2012			
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 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	04/19/2012 04/19/2012	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	7
DWR ID: DWR_NA0013_01_s_2012_7										
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	8
DWR ID: DWR_NA0013_01_s_2012_8										
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	9
DWR ID: DWR_NA0013_01_s_2012_9										
4	0.00	0.00	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.314690 ° -120.396379 °	37.314690 ° -120.396379 °	10 Y
DWR ID: DWR_NA0013_01_s_2012_10										
5	0.22	0.56	Earthen Levee	Vegetation	CR	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.317837 ° -120.396354 °	37.322528 ° -120.396570 °	5
DWR ID: DWR_NA0013_01_s_2012_5										
6	0.56	0.74	Earthen Levee	Vegetation	CR	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.322528 ° -120.396570 °	37.325167 ° -120.396676 °	6
DWR ID: DWR_NA0013_01_s_2012_6										
7	1.07	1.52	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.329741 ° -120.396368 °	37.335623 ° -120.396136 °	4
DWR ID: DWR_NA0013_01_s_2012_4										
8	1.31	1.63	Earthen Levee	Vegetation	WS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.332825 ° -120.394887 °	37.337056 ° -120.396531 °	1 Y
DWR ID: DWR_NA0013_01_s_2012_1										

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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Black Rascal Creek looking upstream waterside levee mile 0.00. Photo taken 4-19-2012.	
phillips_s_20120515_037.jpg	



Levee Mile Report Line	8
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Unsatisfactory wild growth from levee mile 1.31-1.63. Photo taken 11-21-2011.	
phillips_s_20120306_036.jpg	



Levee Mile Report Line	8
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation
looking downstream from levee mile 1.31. Photo taken 4-19-2012.	
phillips_s_20120515_038.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Spring 2012 Levee Inspection Results
Merced Streams Group**

Waterway	Bank	Unit Miles
Unit No. 02 Black Rascal Diversion	Left	1.88

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/19/2012 - 4/19/2012			
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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 02 Black Rascal Diversion				Left	1.88	04/19/2012 04/19/2012	Herman Phillips			
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.337617 ° -120.385290 °	37.337617 ° -120.385290 °	19 Y
DWR ID: DWR_NA0013_02_s_2012_19										
2	0.00	0.62	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Keep the crown roadway free of vegetation.	37.337617 ° -120.385293 °	37.332080 ° -120.394051 °	4
DWR ID: DWR_NA0013_02_s_2012_4										
3	0.01	0.01	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	37.337047 ° -120.387557 °	37.337047 ° -120.387557 °	3
DWR ID: DWR_NA0013_02_s_2012_3										
4	0.44	0.44	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	37.333962 ° -120.392637 °	37.333962 ° -120.392637 °	17 Y
DWR ID: DWR_NA0013_02_s_2012_17										
5	0.45	0.48	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	37.333867 ° -120.392717 °	37.333640 ° -120.393184 °	9
DWR ID: DWR_NA0013_02_s_2012_9										
6	0.62	0.94	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.332082 ° -120.394053 °	37.328114 ° -120.394996 °	13
DWR ID: DWR_NA0013_02_s_2012_13										
7	0.62	1.36	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.332082 ° -120.394053 °	37.321988 ° -120.394989 °	12
DWR ID: DWR_NA0013_02_s_2012_12										
8	0.70	0.97	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.331107 ° -120.394673 °	37.327500 ° -120.396098 °	8
DWR ID: DWR_NA0013_02_s_2012_8										
9	1.04	1.55	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C2 : Regrade the crown roadway for proper drainage.	37.326521 ° -120.396072 °	37.319315 ° -120.396007 °	2
DWR ID: DWR_NA0013_02_s_2012_2										
10	1.20	1.20	Earthen Levee	Encroachments	LS	C Ma	GA : Garbage	37.324308 ° -120.396016 °	37.324308 ° -120.396016 °	10
DWR ID: DWR_NA0013_02_s_2012_10										
11	1.31	1.31	Earthen Levee	Encroachments	WS	M En	DE : Debris	37.322728 ° -120.394753 °	37.322728 ° -120.394753 °	1
DWR ID: DWR_NA0013_02_s_2012_1										
12	1.31	1.31	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	37.322615 ° -120.395948 °	37.322615 ° -120.395948 °	14
DWR ID: DWR_NA0013_02_s_2012_14										
13	1.35	1.45	Earthen Levee	Crown Surface / Depressions / Rutting	WS	M Ma	C2 : Regrade the crown roadway for proper drainage.	37.322212 ° -120.395620 °	37.320701 ° -120.395767 °	15
DWR ID: DWR_NA0013_02_s_2012_15										
14	1.46	1.46	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.320576 ° -120.396017 °	37.320576 ° -120.396017 °	6
DWR ID: DWR_NA0013_02_s_2012_6										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.88	04/19/2012 04/19/2012	Herman Phillips

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	1.54	1.54	Earthen Levee	Encroachments	LS	C	GA : Garbage	37.319070 ° -120.396010 °	37.319070 ° -120.396010 °	7
								DWR ID: DWR_NA0013_02_s_2012_7		
16	1.55	1.55	Earthen Levee	Trim / Thin Trees	LS	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	37.319316 ° -120.396007 °	37.319316 ° -120.396007 °	11
								DWR ID: DWR_NA0013_02_s_2012_11		
17	1.55	1.67	Earthen Levee	Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.317853 ° -120.395704 °	37.317634 ° -120.395794 °	18
								DWR ID: DWR_NA0013_02_s_2012_18		
18	1.61	1.67	Earthen Levee	Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.318479 ° -120.395778 °	37.317645 ° -120.395823 °	16
								DWR ID: DWR_NA0013_02_s_2012_16		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.88	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Black Rascal Creek Unit 2 levee mile 0.00 looking downstream waterside slope. Photo taken 4-19-2012	
phillips_s_20120515_042.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Large tree stump on levee slope.	
phillips_s_20120306_040.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Large tree stumps have not been removed. Photo taken 11-21-2011.	
phillips_s_20120306_041.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Merced Streams Group

Waterway	Bank	Unit Miles
Unit No. 03 Owens Creek Diversion	Right	1.44

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/19/2012 - 4/19/2012			
DWR Inspector	Herman Phillips			
Accompanied By				

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion				Right	1.44	04/19/2012 04/19/2012	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.35	Earthen Levee	Vegetation	LS	U	V1 : Control annual grass and weeds on the levee slopes and easements.	37.257927 ° -120.288386 °	37.262514 ° -120.288244 °	3
DWR ID: DWR_NA0013_03_s_2012_3										
2	0.02	0.35	Earthen Levee	Vegetation	WS	U	V1 : Control annual grass and weeds on the levee slopes and easements.	37.257901 ° -120.288319 °	37.262512 ° -120.288240 °	5
DWR ID: DWR_NA0013_03_s_2012_5										
3	0.02	0.37	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	C1 : Keep the crown roadway free of vegetation.	37.257901 ° -120.288319 °	37.262741 ° -120.288358 °	4
DWR ID: DWR_NA0013_03_s_2012_4										
4	0.03	0.03	Earthen Levee	Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.257935 ° -120.288378 °	37.257935 ° -120.288378 °	16 Y
DWR ID: DWR_NA0013_03_s_2012_16										
5	0.03	0.03	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.257935 ° -120.288378 °	37.257935 ° -120.288378 °	18
DWR ID: DWR_NA0013_03_s_2012_18										
6	0.40	1.23	Earthen Levee	Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.263290 ° -120.288132 °	37.272577 ° -120.280719 °	14
DWR ID: DWR_NA0013_03_s_2012_14										
7	0.40	0.40	Earthen Levee	Trim / Thin Trees	LS	M	T1 : Trim trees to at least five feet above ground level.	37.261306 ° -120.288284 °	37.261306 ° -120.288284 °	6
DWR ID: DWR_NA0013_03_s_2012_6										
8	0.42	1.23	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	C1 : Keep the crown roadway free of vegetation.	37.263518 ° -120.288153 °	37.272559 ° -120.280720 °	13
DWR ID: DWR_NA0013_03_s_2012_13										
9	0.43	0.44	Earthen Levee	Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.263786 ° -120.288240 °	37.263291 ° -120.288155 °	9
DWR ID: DWR_NA0013_03_s_2012_9										
10	0.79	0.79	Earthen Levee	Animal Control	LS	C	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.268326 ° -120.286295 °	37.268326 ° -120.286295 °	17
DWR ID: DWR_NA0013_03_s_2012_17										
11	0.84	0.84	Earthen Levee	Animal Control	LS	C	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.268923 ° -120.285818 °	37.268923 ° -120.285818 °	969
DWR ID: DWR_NA0013_03_s_2012_969										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/19/2012 04/19/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	1.00	1.00	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/16/2011: No visible change. 100 percent vegetation coverage with star thistles. Minor cracking visible on the waterside slope. 11/30/2010: Site was not inspected this year due to time constraint. There have been no reports from the district that this site was corrected. Continue to monitor during flood events. 2009: Site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; it was previously rated "U". 8/26/2008: Terracetting erosion; frequent livestock traversing the slopes has caused deformation of the waterside levee slope. 9/11/2007: GPS extended from opposite bank using Google Earth. [2011 Site ID:NA0013U03RM1]	37.270800 ° -120.284180 °	37.270800 ° -120.284180 °	1 Y
DWR ID: DWR_NA0013_03_s_2012_1										
13	1.15	1.15	Earthen Levee	Animal Control	LS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272036 ° -120.282111 °	37.272036 ° -120.282111 °	15
DWR ID: DWR_NA0013_03_s_2012_15										
14	1.20	1.20	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272444 ° -120.281282 °	37.272444 ° -120.281282 °	970
DWR ID: DWR_NA0013_03_s_2012_970										
15	1.23	1.23	Earthen Levee	Animal Control	CR	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272553 ° -120.280742 °	37.272553 ° -120.280742 °	971
DWR ID: DWR_NA0013_03_s_2012_971										
16	1.24	1.24	Earthen Levee	Animal Control	CR	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: This unit is maintained as far as the vegetation is concerned however there is a problem with the rodents. The District should have bait stations through out the area where rodents are present.	37.272584 ° -120.280543 °	37.272584 ° -120.280543 °	8
DWR ID: DWR_NA0013_03_s_2012_8										
17	1.24	1.24	Earthen Levee	Animal Control	CR	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272569 ° -120.280443 °	37.272569 ° -120.280443 °	12
DWR ID: DWR_NA0013_03_s_2012_12										
18	1.25	1.25	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: The District needs to be more aggressive in their efforts of controlling the ground rodents.	37.272707 ° -120.280334 °	37.272707 ° -120.280334 °	7 Y
DWR ID: DWR_NA0013_03_s_2012_7										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/19/2012 04/19/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	1.25	1.25	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 08/16/2011: No visible change. 100 percent vegetation coverage with star thistles. Minor cracking visible on the waterside slope. Burrow holes visible. 11/30/2010: Site was not inspected this year due to time constraint. There have been no reports from the district that the site was repaired. Continue to monitor during flood events. 2009: Bank erosion scour that is immediately downstream of Mission Avenue bridge; noticeable terracetting damage from livestock traversing the slope; site is recommended as local maintenance issue, per CLRO Evaluation 2008 Report; site was previously rated "M". 8/26/2008: Terracetting damage from livestock; there is now a pocket erosion developing on the levee toe; site is 100 feet downstream of Mission Avenue bridge. [2011 Site ID:NA0013U03RM1.25]	37.272630 ° -120.280390 °	37.272630 ° -120.280390 °	2 Y

DWR ID: DWR_NA0013_03_s_2012_2

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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Levee mile 0.00 Owens Creek looking upstream from unit 3. Photo taken 4-19-2012.

phillips_s_20120515_050.jpg



Levee Mile Report Line	12
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

A close look at the site, which is covered by thick star thistles.

phillips_s_20120306_042.jpg



Levee Mile Report Line	12
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Site covered with dense vegetation.

phillips_s_20120306_043.jpg



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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	12
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Some cracking on the site.

phillips_s_20120306_044.jpg



Levee Mile Report Line	18
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope and toe.

phillips_s_20120306_049.jpg



Levee Mile Report Line	19
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with dense thistles.

phillips_s_20120306_045.jpg



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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	19
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
No significant change visible from the levee top	
phillips_s_20120306_046.jpg	



Levee Mile Report Line	19
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
The site is covered with dense thistles.	
phillips_s_20120306_047.jpg	



Levee Mile Report Line	19
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Minor cracking visible at the levee shoulder.	
phillips_s_20120306_048.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Spring 2012 Levee Inspection Results
Merced Streams Group**

Waterway	Bank	Unit Miles
Unit No. 04 Owens Creek Diversion	Left	1.44

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/19/2012 - 4/19/2012			
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 2012

Merced Streams Group

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 04 Owens Creek Diversion				Left	1.44	04/19/2012 04/19/2012	Herman Phillips			
LMIR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo	
	Start	End					Start	End		
1	0.00	0.00	Interior Drainage & Piping Systems	Vegetation & Obstructions	WS Ma	M		° ° ° °	19	
							DWR ID: DWR_NA0013_04_s_2012_19			
2	0.01	0.01	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.273082 ° -120.277984 °	37.273082 ° -120.277984 °	7 Y
							DWR ID: DWR_NA0013_04_s_2012_7			
3	0.08	0.93	Channels	Encroachments	LS Ma	M		37.273324 ° -120.279170 °	37.264394 ° -120.288082 °	9
							DWR ID: DWR_NA0013_04_s_2012_9			
4	0.12	0.12	Earthen Levee	Trim / Thin Trees	WS Ma	M	T1 : Trim trees to at least five feet above ground level.	37.272997 ° -120.280003 °	37.272997 ° -120.280003 °	29
							DWR ID: DWR_NA0013_04_s_2012_29			
5	0.12	0.17	Earthen Levee	Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.273070 ° -120.279985 °	37.272466 ° -120.280214 °	10
							DWR ID: DWR_NA0013_04_s_2012_10			
6	0.14	0.14	Interior Drainage & Piping Systems	Vegetation & Obstructions	LS Ma	U		37.272825 ° -120.280005 °	37.272825 ° -120.280010 °	20 Y
							DWR ID: DWR_NA0013_04_s_2012_20			
7	0.15	0.28	Supplemental	DWR Erosion Survey	WS Ma	M	Inspector Comments: 08/16/2011: No significant change was visible. Minor cracking on the waterside levee slope was spotted. 100 percent vegetation coverage with star thistles. 11/30/2010: Site was not inspected this year due to time constraints. There have been no reports from the district that the site has been corrected.2009: Site recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; previously rated "U".9/10/2007: GPS extended from opposite bank using Google Earth; signs of vehicular damage on levee. [2011 Site ID:NA0013U04RM0.21]	37.272283 ° -120.280869 °	37.272283 ° -120.280869 °	3 Y
							DWR ID: DWR_NA0013_04_s_2012_3			
8	0.15	0.86	Earthen Levee	Vegetation	WS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.272824 ° -120.280005 °	37.265389 ° -120.288042 °	6
							DWR ID: DWR_NA0013_04_s_2012_6			
9	0.18	0.18	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.272429 ° -120.280251 °	37.272429 ° -120.280251 °	1
							DWR ID: DWR_NA0013_04_s_2012_1			
10	0.23	0.23	Earthen Levee	Animal Control	CR Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.272219 ° -120.281157 °	37.272219 ° -120.281157 °	31
							DWR ID: DWR_NA0013_04_s_2012_31			
11	0.25	0.86	Earthen Levee	Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272081 ° -120.281483 °	37.265389 ° -120.288041 °	21
							DWR ID: DWR_NA0013_04_s_2012_21			

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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/19/2012 04/19/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	0.42	0.43	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 08/16/2011: No visible significant changes. 100 percent vegetation coverage with star thistles. Minor cracking visible on the waterside slope. 11/30/2010: Site was not inspected this year due to time constraints. There have been no reports from the district that the site has been corrected. 2009: Site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; terracetting damage from livestock traversing; there is a wooden platform installed on site; landside is on high ground; site was previously rated "M". 9/10/2007: GPS extended from opposite bank using Google Earth; GPS on file is correct. [2011 Site ID:NA0013U04RM0.42]	37.270630 ° -120.283970 °	37.270630 ° -120.283970 °	4 Y
DWR ID: DWR_NA0013_04_s_2012_4										
13	0.48	0.54	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.270016 ° -120.284539 °	37.269254 ° -120.285127 °	22
DWR ID: DWR_NA0013_04_s_2012_22										
14	0.50	0.50	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.269709 ° -120.284712 °	37.269709 ° -120.284712 °	2
DWR ID: DWR_NA0013_04_s_2012_2										
15	0.51	1.03	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.269627 ° -120.284865 °	37.262888 ° -120.287889 °	11
DWR ID: DWR_NA0013_04_s_2012_11										
16	0.53	0.53	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.269357 ° -120.284992 °	37.269357 ° -120.284992 °	25
DWR ID: DWR_NA0013_04_s_2012_25										
17	0.60	1.04	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.268544 ° -120.285738 °	37.262887 ° -120.287889 °	12
DWR ID: DWR_NA0013_04_s_2012_12										
18	0.63	0.63	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.268176 ° -120.285983 °	37.268176 ° -120.285983 °	23
DWR ID: DWR_NA0013_04_s_2012_23										
19	0.84	0.84	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.265620 ° -120.287973 °	37.265620 ° -120.287973 °	33
DWR ID: DWR_NA0013_04_s_2012_33										
20	0.88	0.89	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.265142 ° -120.288045 °	37.264857 ° -120.288049 °	15
DWR ID: DWR_NA0013_04_s_2012_15										
21	0.93	0.93	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.264325 ° -120.288038 °	37.264325 ° -120.288038 °	36
DWR ID: DWR_NA0013_04_s_2012_36										
22	0.97	0.97	Earthen Levee	Cracking	WSA/W	M Ma	CR1 : Monitor and have inspected by geotechnical engineer. Inspector Comments: Tall weeds present along both levee slopes not able to see the cracks mentioned in previous inspection.	37.263850 ° -120.288021 °	37.263850 ° -120.288021 °	14 Y
DWR ID: DWR_NA0013_04_s_2012_14										

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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion				Left	1.44	04/19/2012 04/19/2012	Herman Phillips

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
23	1.01	1.01	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodents under gate and fence.	37.263116 ° -120.287789 °	37.263116 ° -120.287789 °	37
								DWR ID: DWR_NA0013_04_s_2012_37		
24	1.03	1.39	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Keep the crown roadway free of vegetation.	37.262920 ° -120.287842 °	37.257759 ° -120.287956 °	18
								DWR ID: DWR_NA0013_04_s_2012_18		
25	1.03	1.39	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.262920 ° -120.287842 °	37.257760 ° -120.287956 °	8
								DWR ID: DWR_NA0013_04_s_2012_8		
26	1.03	1.39	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.262920 ° -120.287842 °	37.257760 ° -120.287956 °	17
								DWR ID: DWR_NA0013_04_s_2012_17		
27	1.03	1.43	Channels	Encroachments	WS	M Ma		37.262892 ° -120.287887 °	37.257331 ° -120.288152 °	16
								DWR ID: DWR_NA0013_04_s_2012_16		
28	1.04	1.04	Earthen Levee	Encroachments	LS	M Ma	GA : Garbage	37.262885 ° -120.287894 °	37.262885 ° -120.287894 °	13
								DWR ID: DWR_NA0013_04_s_2012_13		

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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	2
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Owens Creek Unit 4 standing at levee mile 0.00 looking downstream. Photo taken 11-21-2011.	
phillips_s_20120306_058.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.14
End Levee Mile	0.14
Location	Land Side
Category	Interior Drainage & Piping Systems
Item	Vegetation & Obstructions
Looking downstream from levee mile 0.14 Photo taken 4-19-2012.	
phillips_s_20120515_060.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
The site is covered with dense star thistles. No significant changes visible.	
phillips_s_20120306_050.jpg	



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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	7
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with dense star thistles.

phillips_s_20120306_051.jpg



Levee Mile Report Line	7
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking visible on the site.

phillips_s_20120306_052.jpg



Levee Mile Report Line	7
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking visible on the site.

phillips_s_20120306_053.jpg



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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	12
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with thick vegetation

phillips_s_20120306_054.jpg



Levee Mile Report Line	12
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

The site is covered with thick vegetation

phillips_s_20120306_055.jpg



Levee Mile Report Line	12
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking on waterside levee shoulder

phillips_s_20120306_056.jpg



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

Levee Inspection Report By Mile - Spring 2012

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/19/2012 04/19/2012	Herman Phillips

Levee Mile Report Line	12
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Minor cracking on waterside levee shoulder

phillips_s_20120306_057.jpg



Levee Mile Report Line	22
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Water Side
Category	Earthen Levee
Item	Cracking

Minor surface cracking on waterside levee slope.

phillips_s_20120306_059.jpg



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