

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2013 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 2013 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	04/15/2013 - 04/15/2013			
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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	04/15/2013 04/15/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1				Operations & Maintenance Manuals	WS	A Ma		°	°	7
DWR ID: DWR_NA0013_01_s_2012_7										
2				Emergency Supplies & Equipment	WS	A Ma		°	°	8
DWR ID: DWR_NA0013_01_s_2012_8										
3				Flood Preparedness & Training	WS	A Ma		°	°	9
DWR ID: DWR_NA0013_01_s_2012_9										
4	0.00	0.00		Vegetation	LS	A Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	°	°	14 Y
DWR ID: DWR_NA0013_01_s_2013_14										
5	0.23	0.32		Vegetation	CR	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.317886 ° -120.396366 °	37.319103 ° -120.396596 °	2
DWR ID: DWR_NA0013_01_s_2013_2										
6	0.23	0.56		Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.	37.317886 ° -120.396366 °	37.322510 ° -120.396599 °	3
DWR ID: DWR_NA0013_01_s_2013_3										
7	0.51	0.51		Encroachments	WS	U En	GA : Garbage Inspector Comments: Box springs laying on both slopes should be removed from levee section. During my inspection 4-15-2013 found that the boxspring listed 2012 inspection, The boxspring was burned, the debris need to be removed.	37.321864 ° -120.396600 °	37.321864 ° -120.396604 °	5 Y
DWR ID: DWR_NA0013_01_f_2012_5										
8	0.75	1.16		Vegetation	CR	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.325287 ° -120.396639 °	37.330899 ° -120.395532 °	4
DWR ID: DWR_NA0013_01_s_2013_4										
9	0.94	0.95		Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.	37.328007 ° -120.396650 °	37.328123 ° -120.396648 °	12
DWR ID: DWR_NA0013_01_s_2013_12										
10	1.31	1.63		Vegetation	WS	M 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										
11	1.33	1.61		Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.333046 ° -120.395109 °	37.337266 ° -120.396515 °	6
DWR ID: DWR_NA0013_01_f_2012_6										
12	1.33	1.40		Trim / Thin Trees	WS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: The District has taken some of the vegetation off the waterward slope. More removal is needed to see the slope.	37.333067 ° -120.395105 °	37.334120 ° -120.395217 °	10
DWR ID: DWR_NA0013_01_f_2012_10										

* 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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	04/15/2013 04/15/2013	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	1.40	1.50		Trim / Thin Trees	WS	C	T2 : Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: The District needs to remove more of the wild tree growth from the levee section.	37.334120 ° -120.395217 °	37.335325 ° -120.395780 °	11

DWR ID: DWR_NA0013_01_f_2012_11

* 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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	04/15/2013 04/15/2013	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	
Item	Vegetation
<p>Black Rascal Creek looking downstream from levee mile 0.00 waterside slope. Photo taken 4-15-2013.</p> <p>phillips_s_20130508_406.JPG</p>	



Levee Mile Report Line	7
Start Levee Mile	0.51
End Levee Mile	0.51
Location	Water Side
Category	
Item	Encroachments
<p>Levee mile 0.51, this mattress was listed as unsatisfactory encroachment, it appears to have been burned in place not removing from levee section. Photo taken 4-15-2013.</p> <p>phillips_s_20130508_405.JPG</p>	



Levee Mile Report Line	10
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	
Item	Vegetation
<p>Looking downstream from levee mile 1.31. Photo taken 10-30-2012.</p> <p>phillips_s_20130325_276.jpg</p>	



<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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	04/15/2013 04/15/2013	Herman Phillips

Levee Mile Report Line	10
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	
Item	Vegetation

District has sprayed and mowed some of the wild growth along the channel. Photo taken 4-15-2013.

phillips_s_20130508_404.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 2013 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	04/15/2013 - 04/15/2013			
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 2013

Merced Streams Group

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion				Left	1.88	04/15/2013 04/15/2013	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		Encroachments	LS En	U	PI : Pipe	37.337034 ° -120.387422 °	37.337034 ° -120.387422 °	2 Y
DWR ID: DWR_NA0013_02_f_2012_2										
2	0.00	0.00		Vegetation	WS Ma	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.337034 ° -120.387420 °	37.330340 ° -120.387420 °	10 Y
DWR ID: DWR_NA0013_02_s_2013_10										
3	0.01	0.01		Trim / Thin Trees	LS Ma	C	T5 : Tree stumps.	37.337047 ° -120.387557 °	37.337047 ° -120.387557 °	3 Y
DWR ID: DWR_NA0013_02_s_2012_3										
4	0.44	0.44		Trim / Thin Trees	LS Ma	C	T5 : Tree stumps.	37.333962 ° -120.392637 °	37.333962 ° -120.392637 °	17 Y
DWR ID: DWR_NA0013_02_s_2012_17										
5	0.56	0.56		Encroachments	LS Ma	C	DE : Debris	37.332800 ° -120.394174 °	37.332800 ° -120.394174 °	6 Y
DWR ID: DWR_NA0013_02_f_2012_6										
6	0.70	0.97		Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.331107 ° -120.396673 °	37.327500 ° -120.396098 °	8 Y
DWR ID: DWR_NA0013_02_s_2012_8										
7	0.95	1.05		Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.327791 ° -120.396097 °	37.326354 ° -120.396074 °	7 Y
DWR ID: DWR_NA0013_02_f_2012_7										
8	0.97	0.99		Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.327567 ° -120.396132 °	37.327171 ° -120.396122 °	1 Y
DWR ID: DWR_NA0013_02_s_2013_1										
9	1.31	1.31		Erosion / Bank Caving	WS Ma	M	E1 : Note and monitor erosion site. Inspector Comments: District needs to place riprap under this discharge line to prevent more erosion.	37.322615 ° -120.395948 °	37.322615 ° -120.395948 °	14 Y
DWR ID: DWR_NA0013_02_s_2012_14										
10	1.35	1.45		Crown Surface / Depressions / Rutting	WS Ma	M	C2 : Repair depressions or ruts in the crown or slope.	37.322212 ° -120.395620 °	37.320701 ° -120.395767 °	15 Y
DWR ID: DWR_NA0013_02_s_2012_15										
11	1.47	1.49		Crown Surface / Depressions / Rutting	CR Ma	M	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. Inspector Comments: Crown roadway damage by vehicles traveling while roadway was wet.	37.320518 ° -120.396029 °	37.320168 ° -120.396011 °	9 Y
DWR ID: DWR_NA0013_02_s_2013_9										
12	1.55	1.55		Trim / Thin Trees	LS Ma	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	37.319316 ° -120.396007 °	37.319316 ° -120.396007 °	11 Y
DWR ID: DWR_NA0013_02_s_2012_11										
13	1.66	1.66		Trim / Thin Trees	LS Ma	N	T5 : Tree stumps.	37.317802 ° -120.395765 °	37.317802 ° -120.395765 °	4 Y
DWR ID: DWR_NA0013_02_s_2013_4										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.88	04/15/2013 04/15/2013	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	
Item	Encroachments
Black Rascal Creek looking downstream from 0.00 landside slope. Photo taken 4-15-2013.	
phillips_s_20130509_407.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	
Item	Vegetation
Black Rascal Creek looking downstream from levee mile 0.00. Photo taken 4-15-2013.	
phillips_s_20130509_408.JPG	



Levee Mile Report Line	9
Start Levee Mile	1.31
End Levee Mile	1.31
Location	Water Side
Category	
Item	Erosion / Bank Caving
This erosion was noted during my Spring Inspection 4-15-2013.	
phillips_s_20130509_409.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 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	04/18/2013 - 04/18/2013			
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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/18/2013 04/18/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.35		Vegetation	WS Ma	U	V1 : Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The levee section is overgrown both slopes and crown roadway, there should not be any grasses on the crown roadway.	37.257799 ° -120.288396 °	37.262601 ° -120.288561 °	10 Y
DWR ID: DWR_NA0013_03_s_2013_10										
2	0.18	0.18		Trim / Thin Trees	LS Ma	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	37.260055 ° -120.288545 °	37.260055 ° -120.288545 °	11 Y
DWR ID: DWR_NA0013_03_s_2013_11										
3	0.45	0.46		Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.263951 ° -120.288472 °	37.264101 ° -120.288474 °	13 Y
DWR ID: DWR_NA0013_03_s_2013_13										
4	0.56	0.62		Crown Surface / Depressions / Rutting	CR Ma	M	C2 : Repair depressions or ruts in the crown or slope.	37.265460 ° -120.288447 °	37.266225 ° -120.287980 °	3 Y
DWR ID: DWR_NA0013_03_f_2012_3										
5	0.74	0.74		Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.267714 ° -120.286717 °	37.267714 ° -120.286717 °	5 Y
DWR ID: DWR_NA0013_03_f_2012_5										
6	1.00	1.00	Supplemental	DWR Erosion Survey	WS Ma	M	Inspector Comments: 07/31/2012: Site was visited on 07/26/2012. No significant changes observed. Dense vegetation presents at the site. 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. [2012 Site ID:NA0013U03RM1]	37.270800 ° -120.284180 °	37.270800 ° -120.284180 °	1 Y
DWR ID: DWR_NA0013_03_s_2013_1										
7	1.11	1.24		Animal Control	LS Ma	U	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: This levee section has a history of rodent problems that has been known for more than 10 years.	37.271737 ° -120.282642 °	37.272498 ° -120.280511 °	9 Y
DWR ID: DWR_NA0013_03_f_2012_9										
8	1.20	1.20		Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272444 ° -120.281282 °	37.272444 ° -120.281282 °	970 Y
DWR ID: DWR_NA0013_03_s_2012_970										
9	1.21	1.27		Animal Control	WS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272510 ° -120.281043 °	37.272860 ° -120.280287 °	15 Y
DWR ID: DWR_NA0013_03_s_2013_15										

* 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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/18/2013 04/18/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
10	1.21	1.27		Animal Control	LS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272510 ° -120.281042 °	37.272860 ° -120.280287 °	14
DWR ID: DWR_NA0013_03_s_2013_14										
11	1.23	1.23		Animal Control	CR Ma	M	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										
12	1.24	1.24		Animal Control	CR Ma	M	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 throughout the area where rodents are present.	37.272584 ° -120.280543 °	37.272584 ° -120.280543 °	8
DWR ID: DWR_NA0013_03_s_2012_8										
13	1.24	1.24		Animal Control	CR Ma	M	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										
14	1.25	1.30		Animal Control	LS Ma	M	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. There should be some Bait Stations placed in infected areas.	37.272707 ° -120.280334 °	37.273379 ° -120.279976 °	7 Y
DWR ID: DWR_NA0013_03_s_2012_7										
15	1.25	1.25	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 07/31/2012: Site was visited on 07/24/2012. No significant changes observed. Dried grass covered the site. Dense vegetation. 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. [2012 Site ID:NA0013U03RM1.25]	37.272630 ° -120.280390 °	37.272630 ° -120.280390 °	2 Y
DWR ID: DWR_NA0013_03_s_2013_2										

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Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/18/2013 04/18/2013	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.35
Location	Water Side
Category	
Item	Vegetation
Owens Creek Unit 3 looking downstream from 0.00, levee section is overgrown. Photo taken 4-18-2013.	
phillips_s_20130509_410.JPG	



Levee Mile Report Line	6
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 vegetation	
phillips_s_20130228_042.jpg	



Levee Mile Report Line	6
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_20130228_043.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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
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Levee Mile Report Line	6
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Wooden posts and fense on site	
phillips_s_20130228_044.jpg	



Levee Mile Report Line	7
Start Levee Mile	1.11
End Levee Mile	1.24
Location	Land Side
Category	
Item	Animal Control
Levee taken over by rodents, levee mile 1.11-1.24. Photo taken 4-18-2013.	
phillips_s_20130509_411.JPG	



Levee Mile Report Line	14
Start Levee Mile	1.25
End Levee Mile	1.30
Location	Land Side
Category	
Item	Animal Control
Landside slope taken over by rodents. Photo taken 4-18-2013.	
phillips_s_20130509_412.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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	04/18/2013 04/18/2013	Herman Phillips

Levee Mile Report Line	15
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_20130228_045.jpg



Levee Mile Report Line	15
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_20130228_046.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 2013 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	04/18/2013 - 04/18/2013			
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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/18/2013 04/18/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1	0.00	0.10		Vegetation	WS Ma	M V1 : Control annual grass and weeds on the levee slopes and easements.	37.273319 ° -120.277838 °	37.273287 ° -120.279732 °	11
DWR ID: DWR_NA0013_04_s_2013_11									
2	0.00	0.11		Vegetation	LS Ma	M V1 : Control annual grass and weeds on the levee slopes and easements.	37.273319 ° -120.277838 °	37.273231 ° -120.279838 °	9
DWR ID: DWR_NA0013_04_s_2013_9									
3	0.00	0.11		Vegetation	CR Ma	M V9 : Keep the crown roadway free of vegetation.	37.273319 ° -120.277838 °	37.273231 ° -120.279837 °	5
DWR ID: DWR_NA0013_04_s_2013_5									
4	0.01	0.11		Vegetation	LS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	37.273082 ° -120.277984 °	37.273231 ° -120.279840 °	7 Y
DWR ID: DWR_NA0013_04_s_2012_7									
5	0.06	0.06		Animal Control	LS Ma	M A1 : Exterminate rodents and backfill and compact or grout burrows.	37.273335 ° -120.277752 °	37.273335 ° -120.277752 °	6
DWR ID: DWR_NA0013_04_f_2012_6									
6	0.12	0.17		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									
7	0.15	0.28	Supplemental	DWR Erosion Survey	WS Ma	M Inspector Comments: 07/31/2012: No significant changes observed 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. [2012 Site ID:NA0013U04RM0.21]	37.272283 ° -120.280869 °	37.272283 ° -120.280869 °	3 Y
DWR ID: DWR_NA0013_04_s_2013_3									
8	0.17	0.25		Animal Control	WS Ma	M A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272477 ° -120.280222 °	37.272103 ° -120.281465 °	15
DWR ID: DWR_NA0013_04_s_2013_15									
9	0.18	0.18		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	0.18	0.23		Animal Control	LS Ma	U A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272429 ° -120.280250 °	37.272380 ° -120.280360 °	8 Y
DWR ID: DWR_NA0013_04_f_2012_8									
11	0.23	0.23		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									
12	0.23	0.25		Animal Control	LS Ma	M A1 : Exterminate rodents and backfill and compact or grout burrows.	37.272157 ° -120.281152 °	37.272029 ° -120.281500 °	17
DWR ID: DWR_NA0013_04_f_2012_17									

* 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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/18/2013 04/18/2013	Herman Phillips

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	0.25	0.86		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										
14	0.42	0.43	Supplemental Survey	DWR Erosion	WS Ma	M	Inspector Comments: 07/24/2012: No significant changes observed. 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. [2012 Site ID:NA0013U04RM0.42]	37.270630 ° -120.283970 °	37.270630 ° -120.283970 °	4 Y
DWR ID: DWR_NA0013_04_s_2013_4										
15	0.46	0.79		Vegetation	CR Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.270222 ° -120.284315 °	37.266230 ° -120.287571 °	23
DWR ID: DWR_NA0013_04_s_2013_23										
16	0.48	0.54		Animal Control	LS Ma	M	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										
17	0.50	0.50		Animal Control	WS Ma	M	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										
18	0.55	1.01		Animal Control	LS Ma	U	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: This levee section, waterward side, has been taken over with rodents. Bait stations are needed here to help control them.	37.269084 ° -120.285150 °	37.263043 ° -120.287847 °	19 Y
DWR ID: DWR_NA0013_04_f_2012_19										
19	0.60	1.04		Animal Control	WS Ma	M	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										
20	0.93	0.93		Animal Control	CR Ma	M	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										
21	0.97	0.97		Cracking	WSA/W Ma	CR1	Monitor and have inspected by geotechnical engineer. Inspector Comments: Tall weeds present along both levee slopes prevent being 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 2013

Merced Streams Group

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion				Left	1.44	04/18/2013 04/18/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
22	1.02	1.05		Vegetation	LS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.263069 ° -120.288375 °	37.262688 ° -120.287965 °	24
DWR ID: DWR_NA0013_04_s_2013_24										
23	1.02	1.05		Vegetation	WS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.263069 ° -120.288375 °	37.262688 ° -120.287965 °	25
DWR ID: DWR_NA0013_04_s_2013_25										
24	1.02	1.07		Vegetation	CR Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.263116 ° -120.288371 °	37.262327 ° -120.288173 °	26
DWR ID: DWR_NA0013_04_s_2013_26										
25	1.03	1.39		Crown Surface / Depressions / Rutting	CR Ma	M	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.	37.262920 ° -120.287842 °	37.257759 ° -120.287956 °	18
DWR ID: DWR_NA0013_04_s_2012_18										
26	1.04	1.04		Encroachments	LS Ma	C	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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/18/2013 04/18/2013	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.01
End Levee Mile	0.11
Location	Land Side
Category	
Item	Vegetation
Owen Creek Unit 4 looking downstream from 0.00. Photo taken 4-18-2013.	
phillips_s_20130509_413.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_20130228_050.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.	
phillips_s_20130228_051.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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/18/2013 04/18/2013	Herman Phillips

Levee Mile Report Line	10
Start Levee Mile	0.18
End Levee Mile	0.23
Location	Land Side
Category	
Item	Animal Control
Owens Creek Unit 4 levee section infested with rodents, no bait stations present. Photo taken 11-21-2012.	
phillips_s_20130228_055.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.18
End Levee Mile	0.23
Location	Land Side
Category	
Item	Animal Control
Owens Creek looking downstream to 0.23 at rodent holes. Photo taken 11-21-2012.	
phillips_s_20130228_056.jpg	



Levee Mile Report Line	14
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Direct look at the site	
phillips_s_20130228_052.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 2013

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	04/18/2013 04/18/2013	Herman Phillips

Levee Mile Report Line	14
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_20130228_053.jpg



Levee Mile Report Line	18
Start Levee Mile	0.55
End Levee Mile	1.01
Location	Land Side
Category	
Item	Animal Control

Rodent running in and out of these holes shown in this picture. Photo taken 4-18-2013.

phillips_s_20130509_414.JPG



Levee Mile Report Line	21
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Water Side
Category	
Item	Cracking

Minor surface cracking on waterside levee slope.

phillips_s_20130228_057.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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