

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2014 Levee Inspection Results

Reclamation District No. 0554 Walnut Grove

	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 2014 Levee Inspection Results

Reclamation District No. 0554 Walnut Grove

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Left	1.09

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/06/2014 - 05/06/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. David Pesavento D.W.R.			

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
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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0554 Walnut Grove

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start		Rating **	M	Issue No.	3	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start		End	
Item	Emergency Supplies & Equipment			°		°
DWR ID	DWR_RD0554_01_s_2012_3					
Action/Comments						

No Photos

LM Start		Rating **	A	Issue No.	8	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start		End	
Item	Flood Preparedness & Training			°		°
DWR ID	DWR_RD0554_01_s_2012_8					
Action/Comments						

No Photos

LM Start		Rating **	A	Issue No.	9	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start		End	
Item	Operations & Maintenance Manuals			°		°
DWR ID	DWR_RD0554_01_s_2012_9					
Action/Comments						

No Photos

* 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 2014

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	0.09	Rating **	U	Issue No.	11
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.248262 °	38.248262 °
				-121.509901 °	-121.509901 °
DWR ID	DWR_RD0554_01_s_2014_11				
Action/Comments					
Note and monitor erosion site. Inspector Comments: This is not a new erosion site, repairs are needed. One tree has fallen into the Sac River at the erosion site. There are many more trees at that same location.					

Photo 1 of 1 : phillips_s_20140506_05835.jpg



Erosion at waterside toe. Tree fallen at erosion site. Photo taken 06-05-2014.

LM Start	0.12	Rating **	M	Issue No.	12
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247774 °	38.247774 °
				-121.509817 °	-121.509817 °
DWR ID	DWR_RD0554_01_f_2013_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation present beyond the bridge crossing on the water side levee slopes. Should be maintained.					

Photo 1 of 1 : phillips_s_20140506_05837.jpg



Looking downstream from waterside slope of RD 554. Photo taken 06-05-2014.

* 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 2014

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	0.15	Rating **	U	Issue No.	14
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247405 °	38.237626 °
				-121.509946 °	-121.516910 °
DWR ID	DWR_RD0554_01_s_2014_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips_s_20140506_05836.jpg



Weeds taller than 2-foot along the waterside levee slope. Photo taken 06-05-2014.

LM Start	0.25	Rating **	M	Issue No.	2
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.246222 °	38.245017 °
				-121.510878 °	-121.511740 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013: Short vertical sections at bank toe. [2013 Site ID: SAC_27-0_L]					

Photo 1 of 2 : USACE2013A_SAC_27-0_L_6.jpg



USACE 2013 Photo #1

LM Start	0.25	Rating **	M	Issue No.	2 (cont)
LM End	0.34	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A_SAC_27-0_L_8.jpg



USACE 2013 Photo #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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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	0.28	Rating **	M	Issue No.	1
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.245724 °	38.244974 °	
			-121.510987 °	-121.511540 °	
DWR ID	DWR_RD0554_01_f_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee					

No Photos

LM Start	0.28	Rating **	A/W	Issue No.	15
LM End	0.35	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.245675 °	38.244833 °	
			-121.511033 °	-121.511673 °	
DWR ID	DWR_RD0554_01_s_2014_15				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	0.30	Rating **	U	Issue No.	13
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.245389 °	38.245389 °	
			-121.511085 °	-121.511085 °	
DWR ID	DWR_RD0554_01_s_2014_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: This erosion along the slope need to be repaired before rainy season, it will only get worse.					

Photo 1 of 2 : phillips_s_20140506_05840.jpg



Bank caving along the landward levee slope. Photo taken 06-05-2014.

* 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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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0554 Walnut Grove

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	0.30	Rating **	U	Issue No.	13 (cont)
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.245389 °	38.245389 °	
			-121.511085 °	-121.511085 °	
DWR ID	DWR_RD0554_01_s_2014_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: This erosion along the slope need to be repaired before rainy season, it will only get worse.					

Photo 2 of 2 : phillips_s_20140506_05841.jpg



Another view of the issue. Photo taken 06-05-2014.

LM Start	0.32	Rating **	M	Issue No.	7
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.245152 °	38.245152 °	
			-121.511435 °	-121.511435 °	
DWR ID	DWR_RD0554_01_f_2012_7				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.63	Rating **	U	Issue No.	18
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.241547 °	38.240129 °	
			-121.514617 °	-121.515973 °	
DWR ID	DWR_RD0554_01_s_2014_18				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : phillips_s_20140506_05838.jpg



Wooded tree growth along waterward shoulder and slope. Photo taken 06-05-2014.

* 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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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	0.63	Rating **	A/W	Issue No.	4
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.241503 °	38.239527 °	
			-121.514579 °	-121.516441 °	
DWR ID	DWR_RD0554_01_s_2012_4				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	0.73	Rating **	M	Issue No.	5
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.240332 °	38.240166 °	
			-121.515786 °	-121.515952 °	
DWR ID	DWR_RD0554_01_f_2013_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.75	Rating **	M	Issue No.	19
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.240128 °	38.237897 °	
			-121.515973 °	-121.516882 °	
DWR ID	DWR_RD0554_01_s_2014_19				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* 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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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0554 Walnut Grove

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	0.75	Rating **	U	Issue No.	20
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.240128 °	38.239630 °	
			-121.515974 °	-121.516418 °	
DWR ID	DWR_RD0554_01_s_2014_20				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : phillips_s_20140506_05839.jpg



Wooded tree growth on landward levee slope and shoulders. Photo taken 06-05-2014.

LM Start	0.87	Rating **	M	Issue No.	10
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.238619 °	38.237930 °	
			-121.516862 °	-121.516812 °	
DWR ID	DWR_RD0554_01_s_2014_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: There are young trees along the landside levee slope that need to be removed and some need to be trimmed that are blocking visibility or access to the levee section.					

No Photos

LM Start	0.97	Rating **	M	Issue No.	6
LM End	0.97	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.237108 °	38.237108 °	
			-121.516743 °	-121.516743 °	
DWR ID	DWR_RD0554_01_s_2012_6				
Action/Comments					
Building					

No Photos

* 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
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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	1.09	Rating **	U	Issue No.	16
LM End	1.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.235422 °	38.235422 °
				-121.517233 °	-121.517233 °
DWR ID	DWR_RD0554_01_s_2014_16				
Action/Comments					
Pipe Inspector Comments: Unauthorized pipe repair done without CVFPB Permit.					

Photo 1 of 3 : phillips_s_20140506_05842.jpg



Uncovered pipe section on the landward toe levee mile 1.09. Photo taken 06-05-2014.

LM Start	1.09	Rating **	U	Issue No.	16 (cont)
LM End	1.09	Issue Type +	En	Location *	LS

Photo 2 of 3 : phillips_s_20140506_05843.jpg



Another view of the unauthorized pipe repair viewed from landside shoulder. 06-05-2014.

* 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 2014

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.09	05/06/2014 05/06/2014	Herman Phillips

LM Start	1.09	Rating **	U	Issue No.	16 (cont)
LM End	1.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.235422 °	38.235422 °
				-121.517233 °	-121.517233 °
DWR ID	DWR_RD0554_01_s_2014_16				
Action/Comments					
Pipe					

Photo 3 of 3 : phillips_s_20140506_05844.jpg



Waterside view of the unauthorized pipe repair, new pump shown in picture. Photo taken 06-05-2014.

* 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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