

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0369 Reclamation District No. 0369 Libby McNeil	Overall LMA Rating	Total LMA Miles						
	U	0.78						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.36		0.36	46.34%	0.02			
Trim / Thin Trees	0.08		0.08	10.30%				
Encroachments					0.79			
Slope Stability	0.01		0.01	1.29%				
Operations & Maintenance Manuals	0.01		0.01	1.29%				
Emergency Supplies & Equipment	0.01		0.01	1.29%				
Flood Preparedness & Training	0.01		0.01	1.29%				
<i>LMA Totals:</i>	0.47	0.00	0.47	60.50%	0.81	0.00	0.00	0.00

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

Reclamation District No. 0369 Libby McNeil

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 0369 Libby McNeil

Waterway		Bank	Unit Miles
Unit No. 01 Steamboat Slough		Left	0.78
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			U
Date of Inspection	03/19/2014 - 03/19/2014		11/21/2014 - 11/21/2014
DWR Inspector	Herman Phillips		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 - Fall 2014

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start		Rating **	M	Issue No.	22
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0369_01_f_2012_22				
Action/Comments					
Inspector Comments: RD 369 members have not been flood fight trained.					

No Photos

LM Start		Rating **	M	Issue No.	27
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0369_01_f_2014_27				
Action/Comments					
Inspector Comments: RD 369 has no O&M Manual on hand.					

No Photos

LM Start		Rating **	M	Issue No.	28
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0369_01_f_2014_28				
Action/Comments					
Inspector Comments: RD 369 have no emergency supplies on hand.					

No Photos

* Location LS : Land Side N/A : Not Applicable 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 - Fall 2014

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.258904 °	38.258904 °	
			-121.517900 °	-121.517900 °	
DWR ID	DWR_RD0369_01_f_2014_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0369_207_18_20141125_00002.jpg



Looking downstream from levee mile 0.00 RD 369 landward levee slope.

LM Start	0.00	Rating **	A/W	Issue No.	1
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.258904 °	38.252708 °	
			-121.517904 °	-121.511260 °	
DWR ID	DWR_RD0369_01_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.04	Rating **	M	Issue No.	5
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.258472 °	38.257934 °	
			-121.517400 °	-121.516586 °	
DWR ID	DWR_RD0369_01_s_2014_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable 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 - Fall 2014

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.06	Rating **	M	Issue No.	6
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.258318 °	38.257948 °	
			-121.517212 °	-121.516642 °	
DWR ID	DWR_RD0369_01_f_2014_6				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.10	Rating **	M	Issue No.	4
LM End	0.12	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.257865 °	38.257695 °	
			-121.516455 °	-121.516237 °	
DWR ID	DWR_RD0369_01_s_2012_4				
Action/Comments					
Landscaping					

No Photos

LM Start	0.22	Rating **	M	Issue No.	7
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.256737 °	38.256197 °	
			-121.514982 °	-121.514370 °	
DWR ID	DWR_RD0369_01_s_2014_7				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable 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 - Fall 2014

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.29	Rating **	M	Issue No.	9
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.255925 °	38.255998 °	
			-121.513930 °	-121.514077 °	
DWR ID	DWR_RD0369_01_f_2014_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.29	Rating **	M	Issue No.	17
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.255925 °	38.255745 °	
			-121.513930 °	-121.513713 °	
DWR ID	DWR_RD0369_01_f_2014_17				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.32	Rating **	M	Issue No.	10
LM End	0.73	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.255719 °	38.250537 °	
			-121.513737 °	-121.510306 °	
DWR ID	DWR_RD0369_01_s_2012_10				
Action/Comments					
Fence					

No Photos

* Location LS : Land Side N/A : Not Applicable 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
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.44	Rating **	M	Issue No.	20
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.254360 °	38.252337 °	
			-121.512380 °	-121.510930 °	
DWR ID	DWR_RD0369_01_f_2014_20				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.48	Rating **	M	Issue No.	23
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.253760 °	38.253760 °	
			-121.511937 °	-121.511937 °	
DWR ID	DWR_RD0369_01_f_2014_23				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	0.51	Rating **	M	Issue No.	24
LM End	0.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.253473 °	38.253302 °	
			-121.511713 °	-121.511570 °	
DWR ID	DWR_RD0369_01_f_2014_24				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable 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
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.56	Rating **	M	Issue No.	11
LM End	0.68	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.252708 °	38.251217 °	
			-121.511262 °	-121.510433 °	
DWR ID	DWR_RD0369_01_s_2012_11				
Action/Comments					
Fence Inspector Comments: This fence is located within the waterward shoulder.					

No Photos

LM Start	0.60	Rating **	M	Issue No.	12
LM End	0.61	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.252157 °	38.252087 °	
			-121.511010 °	-121.510957 °	
DWR ID	DWR_RD0369_01_s_2012_12				
Action/Comments					
Building					

No Photos

LM Start	0.66	Rating **	M	Issue No.	13
LM End	0.67	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.251447 °	38.251278 °	
			-121.510627 °	-121.510547 °	
DWR ID	DWR_RD0369_01_s_2012_13				
Action/Comments					
Building					

No Photos

* Location LS : Land Side N/A : Not Applicable 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
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.67	Rating **	M	Issue No.	3
LM End	0.69	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.251342 °	38.251147 °	
			-121.510417 °	-121.510352 °	
DWR ID	DWR_RD0369_01_s_2012_3				
Action/Comments					
Building					

No Photos

LM Start	0.68	Rating **	M	Issue No.	14
LM End	0.78	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.251200 °	38.249778 °	
			-121.510512 °	-121.510022 °	
DWR ID	DWR_RD0369_01_f_2012_14				
Action/Comments					
Building					

No Photos

LM Start	0.69	Rating **	M	Issue No.	2
LM End	0.75	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.251012 °	38.250215 °	
			-121.510292 °	-121.509992 °	
DWR ID	DWR_RD0369_01_s_2012_2				
Action/Comments					
Building					

No Photos

* Location LS : Land Side N/A : Not Applicable 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 - Fall 2014

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.69	Rating **	M	Issue No.	15
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.250988 °	38.250910 °	
			-121.510355 °	-121.510228 °	
DWR ID	DWR_RD0369_01_s_2012_15				
Action/Comments					
Fence					

No Photos

LM Start	0.72	Rating **	M	Issue No.	8
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.250597 °	38.250215 °	
			-121.510240 °	-121.509990 °	
DWR ID	DWR_RD0369_01_s_2014_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.72	Rating **	M	Issue No.	16
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.250597 °	38.249925 °	
			-121.510242 °	-121.510083 °	
DWR ID	DWR_RD0369_01_s_2012_16				
Action/Comments					
Building					

No Photos

* Location LS : Land Side N/A : Not Applicable 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 - Fall 2014

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Left	0.78	11/21/2014 11/21/2014	Herman Phillips

LM Start	0.75	Rating **	M	Issue No.	25
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.250208 °	38.250022 °	
			-121.510045 °	-121.509975 °	
DWR ID	DWR_RD0369_01_f_2014_25				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.77	Rating **	M	Issue No.	21
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.249778 °	38.249368 °	
			-121.510020 °	-121.510040 °	
DWR ID	DWR_RD0369_01_f_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.79	Rating **	M	Issue No.	26
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.249573 °	38.249420 °	
			-121.509987 °	-121.509977 °	
DWR ID	DWR_RD0369_01_f_2014_26				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable 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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