

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

Reclamation District No. 0537 Lovdal

	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. 0537 Lovdal

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Right	4.76

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/27/2014 - 03/27/2014			
DWR Inspector	John Williamson			
Accompanied By	Kyle Lang RD 537			

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 2014

Reclamation District No. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_11				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_12				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_13				
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. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	0.01	Rating **	N	Issue No.	963
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.643080 °	38.644849 °	
			-121.584260 °	-121.581221 °	
DWR ID	DWR_RD0537_01_s_2012_963				
Action/Comments					
Tree stumps. Inspector Comments: Trees stumps are visible on levee.					

Photo 1 of 2 : johngw_s_20140306_907.jpg



There are many stumps on the waterside levee. Fall 2012

LM Start	0.01	Rating **	N	Issue No.	963 (cont)
LM End	0.21	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : johngw_s_20140306_908.jpg



The stumps are being controlled by the LMA. Fall 2013

LM Start	0.05	Rating **	M	Issue No.	258
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.643400 °	38.643400 °	
			-121.583380 °	-121.583380 °	
DWR ID	DWR_RD0537_01_s_2014_258				
Action/Comments					
Inspector Comments: FS_ID:10043					

Photo 1 of 1 : UCIP_267.jpg



LS- standpipe and valve: this may not be the part of pipe crossing

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating	
A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	0.39	Rating **	M	Issue No.	47
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646457 °	38.646457 °
				-121.578663 °	-121.578663 °
DWR ID	DWR_RD0537_01_s_2012_47				
Action/Comments					
Firewood					

Photo 1 of 2 : johngw_s_20140306_898.jpg



Firewood pile next to the landside levee slope, photo taken spring 2012.

LM Start	0.39	Rating **	M	Issue No.	47 (cont)
LM End	0.39	Issue Type +	En	Location *	LS

Photo 2 of 2 : johngw_s_20140401_716.jpg



Firewood is at the toe of the levee now stacked. Spring 2014

LM Start	0.39	Rating **	M	Issue No.	6
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646547 °	38.646547 °
				-121.578534 °	-121.578534 °
DWR ID	DWR_RD0537_01_s_2013_6				
Action/Comments					
Equipment					

Photo 1 of 3 : johngw_s_20140306_887.jpg



Irrigation pipe and equipment along the levee toe. Spring 2013

* 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. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	0.39	Rating **	M	Issue No.	6 (cont)
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.646547 °	38.646547 °	
			-121.578534 °	-121.578534 °	
DWR ID	DWR_RD0537_01_s_2013_6				
Action/Comments					
Equipment Inspector Comments: Also building is in the easement.					

Photo 2 of 3 : johngw_s_20140306_888.jpg



The equipment is still within the easement. Fall 2013

LM Start	0.39	Rating **	M	Issue No.	6 (cont)
LM End	0.39	Issue Type +	En	Location *	LS

Photo 3 of 3 : johngw_s_20140401_718.jpg



The equipment and pipe at the levee toe. Spring 2014

LM Start	0.42	Rating **	M	Issue No.	18
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.646803 °	38.646803 °	
			-121.578215 °	-121.578215 °	
DWR ID	DWR_RD0537_01_f_2013_18				
Action/Comments					
Landscaping					

Photo 1 of 2 : johngw_s_20140306_892.jpg



The landowner is planting cactus within the easement. Fall 2013

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	0.42	Rating **	M	Issue No.	18 (cont)
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.646803 °	38.646803 °	
			-121.578215 °	-121.578215 °	
DWR ID	DWR_RD0537_01_f_2013_18				
Action/Comments					
Landscaping					

Photo 2 of 2 : johngw_s_20140401_717.jpg



The cactus is still growing along the levee slope. Spring 2014

LM Start	0.45	Rating **	M	Issue No.	50
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.647005 °	38.647005 °	
			-121.577813 °	-121.577813 °	
DWR ID	DWR_RD0537_01_s_2012_50				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : johngw_s_20140306_901.jpg



Concrete retaining wall broken and leaning. Slope instability, photo taken spring 2012.

LM Start	0.45	Rating **	M	Issue No.	50 (cont)
LM End	0.45	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : johngw_s_20140306_902.jpg



A closer view of the retaining wall, spring 2012.

* 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. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	0.72	Rating **	M	Issue No.	954
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.647903 °	38.647903 °	
			-121.573190 °	-121.573190 °	
DWR ID	DWR_RD0537_01_s_2012_954				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 4 : johngw_s_20140306_903.jpg



This is a photo of the eroision at the bank.

LM Start	0.72	Rating **	M	Issue No.	954 (cont)
LM End	0.72	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : johngw_s_20140306_904.jpg



The slope of an erosion site at Monument Bend. Fall 2011

LM Start	0.72	Rating **	M	Issue No.	954 (cont)
LM End	0.72	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : johngw_s_20140306_905.jpg



Another view of some badly eroded areas. Fall 2011

* 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. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	0.72	Rating **	M	Issue No.	954 (cont)
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.647903 °	38.647903 °	
			-121.573190 °	-121.573190 °	
DWR ID	DWR_RD0537_01_s_2012_954				
Action/Comments					
Note and monitor erosion site.					

Photo 4 of 4 : johngw_s_20140306_906.jpg



Another view of the site. Fall 2011

LM Start	1.19	Rating **	M	Issue No.	261
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.643481 °	38.610200 °	
			-121.566980 °	-121.561260 °	
DWR ID	DWR_RD0537_01_s_2014_261				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : johngw_s_20140401_713.jpg



Tall grasses, weeds partially blocks visibility. Spring 2014

LM Start	1.93	Rating **	C	Issue No.	21
LM End	1.93	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.633162 °	38.633162 °	
			-121.564552 °	-121.564552 °	
DWR ID	DWR_RD0537_01_f_2013_21				
Action/Comments					
Prunings					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating	
A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	1.93	Rating **	U	Issue No.	40
LM End	1.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.633148 °	38.633148 °	
			-121.564520 °	-121.564520 °	
DWR ID	DWR_RD0537_01_s_2012_40				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and					

Photo 1 of 2 : johngw_s_20140306_895.jpg



Rodent holes need to be backfilled but no rodents were present. Spring 2013

LM Start	1.93	Rating **	U	Issue No.	40 (cont)
LM End	1.93	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : johngw_s_20140306_896.jpg



There is no rodents visible and the old holes are starting to erode. Fall 2013

LM Start	1.96	Rating **	M	Issue No.	262
LM End	1.96	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.632795 °	38.632795 °	
			-121.564417 °	-121.564417 °	
DWR ID	DWR_RD0537_01_s_2014_262				
Action/Comments					
Tree or limb					

Photo 1 of 1 : johngw_s_20140401_714.jpg



Discarded tree laying on the waterside berm. Spring 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. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	2.04	Rating **	A/W	Issue No.	49
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.631565 °	38.631565 °
				-121.564367 °	-121.564367 °
DWR ID	DWR_RD0537_01_s_2012_49				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : johngw_s_20140306_899.jpg



Large mounds of soil at the toe of the levee. Fall 2012

LM Start	2.04	Rating **	A/W	Issue No.	49 (cont)
LM End	2.04	Issue Type +	En	Location *	LS

Photo 2 of 2 : johngw_s_20140306_900.jpg



The LMA has made an attempt to repair the rodent damage. No rodents are present. Fall 2013

LM Start	2.40	Rating **	A/W	Issue No.	42
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.626438 °	38.626438 °
				-121.563794 °	-121.563794 °
DWR ID	DWR_RD0537_01_s_2012_42				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and					

Photo 1 of 1 : johngw_s_20140306_897.jpg



A group of rodent hole on the levee slope. Fall 2012.

* 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. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	2.54	Rating **	M	Issue No.	7
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.624549 °	38.624549 °	
			-121.563650 °	-121.563650 °	
DWR ID	DWR_RD0537_01_s_2013_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : johngw_s_20140306_889.jpg



Rodent holes need to be backfilled. No rodents present. Spring 2013

LM Start	2.54	Rating **	M	Issue No.	7 (cont)
LM End	2.54	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : johngw_s_20140401_719.jpg



Rodent holes need to be backfilled. Rodent program appears to be working. No rodent present. Spring 2014

LM Start	2.66	Rating **	A/W	Issue No.	10
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.622883 °	38.622883 °	
			-121.563512 °	-121.563512 °	
DWR ID	DWR_RD0537_01_s_2013_10				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and					

Photo 1 of 1 : johngw_s_20140306_891.jpg



Rodent holes have collapsed and need to be backfilled before they start to erode. Spring 2013

* 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**

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Reclamation District No. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	2.76	Rating **	M	Issue No.	259
LM End	2.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID	DWR_RD0537_01_s_2014_259				
Action/Comments					
Inspector Comments: FS_ID:9937 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Timber walkway missing. Wasted pipe and valve not visible due to vegetation. A 2" electrical conduit through the levee. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Slant pump column on the waterward bank. Timber walkway mounted on pile structure across the berm. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch wasted pipe down bank, gate valve on waste line. FS Date: 3/18/2013					

Photo 1 of 1 : UCIP_259.jpg



WS- closer view of pump, pipe and steel structure.

LM Start	2.94	Rating **	M	Issue No.	3
LM End	2.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.618926 °	38.618490 °
				-121.563374 °	-121.563382 °
DWR ID	DWR_RD0537_01_s_2012_3				
Action/Comments					
Landscaping Inspector Comments: Arundo starting to creep up levee slope.					

Photo 1 of 3 : johngw_s_20140306_880.jpg



There is groundcover and landscape shrubs at the toe.

* 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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Reclamation District No. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	2.94	Rating **	M	Issue No.	3 (cont)
LM End	2.96	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.618926 °	38.618490 °	
			-121.563374 °	-121.563382 °	
DWR ID	DWR_RD0537_01_s_2012_3				
Action/Comments					
Landscaping Inspector Comments: Arundo starting to creep up levee slope.					

Photo 2 of 3 : johngw_s_20140306_881.jpg



The Arundo needs to be cut back to open the levee toe up. Spring 2013

LM Start	2.94	Rating **	M	Issue No.	3 (cont)
LM End	2.96	Issue Type +	En	Location *	LS

Photo 3 of 3 : johngw_s_20140306_882.jpg



The Arundo has been cut back close to the toe. It blocks visibility of the toe plus easement. Fall 2013

LM Start	3.10	Rating **	U	Issue No.	264
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.616504 °	38.616504 °	
			-121.563270 °	-121.563270 °	
DWR ID	DWR_RD0537_01_s_2014_264				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : johngw_s_20140401_720.jpg



Erosion cut in levee slope 2-3 feet deep. Spring 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 Inspections**

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Reclamation District No. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River		Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	3.10	Rating **	U	Issue No.	264 (cont)
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.616504 °	38.616504 °	
			-121.563270 °	-121.563270 °	
DWR ID	DWR_RD0537_01_s_2014_264				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 2 of 2 : johngw_s_20140401_721.jpg



Erosion cut 20 feet from the other one. Erosion 2-3 feet deep. Spring 2014

LM Start	3.64	Rating **	N	Issue No.	5
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.609207 °	38.609207 °	
			-121.560539 °	-121.560539 °	
DWR ID	DWR_RD0537_01_f_2012_5				
Action/Comments					
Tree stumps.					

Photo 1 of 3 : johngw_s_20140306_885.jpg



Tree stumps on waterside levee slope. Spring 2013

LM Start	3.64	Rating **	N	Issue No.	5 (cont)
LM End	3.64	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : johngw_s_20140306_886.jpg



The district has been spraying the stumps to keep from growing. Fall 2013

* 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. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	3.64	Rating **	N	Issue No.	5 (cont)
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.609207 °	38.609207 °
				-121.560539 °	-121.560539 °
DWR ID	DWR_RD0537_01_f_2012_5				
Action/Comments					
Tree stumps.					

Photo 3 of 3 : johngw_s_20140401_712.jpg



Tree stumps on the waterside levee slope are being maintained. Spring 2014

LM Start	4.18	Rating **	U	Issue No.	8
LM End	4.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602763 °	38.600690 °
				-121.555458 °	-121.553187 °
DWR ID	DWR_RD0537_01_s_2012_8				
Action/Comments					
Building					

Photo 1 of 2 : johngw_s_20140306_890.jpg



Abandoned building and fence on the levee crown. Spring 2013

LM Start	4.18	Rating **	U	Issue No.	8 (cont)
LM End	4.37	Issue Type +	En	Location *	WS

Photo 2 of 2 : johngw_s_20140401_711.jpg



Building and old equipment within the fenced compound. Spring 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. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.76	03/27/2014 03/27/2014	John Williamson

LM Start	4.25	Rating **	M	Issue No.	2
LM End	4.27	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.602101 °	38.601708 °	
			-121.553909 °	-121.553603 °	
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion near the downstream corner of					

Photo 1 of 1 : USACE2013A_SAC_63-0_R_2.jpg



USACE 2013 Photo #1

LM Start	4.31	Rating **	M	Issue No.	1
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.600907 °	38.601388 °	
			-121.552815 °	-121.553250 °	
DWR ID					
Action/Comments					
Inspector Comments: 1997 - This may have been a cobble rehabilitation site to the 1957 cobble that was place all the way to the I-80 Bridge. 2003 - Site is still very close to the levee and into the levee toe. 2011 - One new tree has fallen. 2013: No observed changes. [2013 Site ID: SAC_62-9_R]					

Photo 1 of 1 : USACE2013A_SAC_62-9_R_1.jpg



USACE 2013 Photo #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**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles
Unit No. 02 Yolo Bypass	Left	1.19

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/13/2014 - 03/13/2014			
DWR Inspector	John Williamson			
Accompanied By	Kyle Lang RD 537			

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 2014

Reclamation District No. 0537 Lovdal

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass		Left	1.19	03/13/2014 03/13/2014	John Williamson

LM Start	0.01	Rating **	A	Issue No.	2
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.597183 °	38.582320 °	
			-121.577217 °	-121.567852 °	
DWR ID	DWR_RD0537_02_s_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : johngw_s_20140317_639.jpg



The vegetation complies with standards. Spring 2014

LM Start	0.05	Rating **	A	Issue No.	1
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.596623 °	38.582321 °	
			-121.576963 °	-121.567852 °	
DWR ID	DWR_RD0537_02_f_2013_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Grasses from shoulder to rip rap is from 5'-10' wide and meets standards. Rip rap to toe of the waterside levee slope.					

Photo 1 of 2 : johngw_s_20140306_942.jpg



The vegetation partially blocks visibility. Fall 2013

LM Start	0.05	Rating **	A	Issue No.	1 (cont)
LM End	1.17	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : johngw_s_20140317_640.jpg



The vegetation complies with standards could be sprayed. Spring 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. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	03/13/2014 03/13/2014	John Williamson

LM Start	0.21	Rating **	A/W	Issue No.	4
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.594447 °	38.582330 °	
			-121.575755 °	-121.567938 °	
DWR ID	DWR_RD0537_02_f_2013_4				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 2 : johngw_s_20140306_943.jpg



Trees are at the toe of the waterside levee. Sandbar Willows are creeping up the slope. Fall 2013

LM Start	0.21	Rating **	A/W	Issue No.	4 (cont)
LM End	1.17	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : johngw_s_20140317_641.jpg



Photo of the willows at the toe of the rip rap and levee. No other trees in the rip rap. Spring 2014

LM Start	0.21	Rating **	A/W	Issue No.	3
LM End	1.17	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.594536 °	38.582320 °	
			-121.575812 °	-121.567851 °	
DWR ID	DWR_RD0537_02_s_2014_3				
Action/Comments					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : johngw_s_20140317_642.jpg



Small vegetation on the crown but should be sprayed so not obstruct visibility. Spring 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. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	03/13/2014 03/13/2014	John Williamson

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating 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 Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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