

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2015 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 2015 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Right	4.74

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	Jai Lor			
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 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start		Rating **	M	Issue No.	11
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD0537_01_s_2013_11				
Action/Comments					
Inspector Comments: RD0537 was not available for confirmation of the manual during inspection.					

No Photos

LM Start		Rating **	M	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD0537_01_s_2013_12				
Action/Comments					
Inspector Comments: RD0537 was not available for confirmation of supplies during inspection.					

No Photos

LM Start		Rating **	M	Issue No.	13
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD0537_01_s_2013_13				
Action/Comments					
Inspector Comments: RD0537 was not available for confirmation of flood training during inspection.					

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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	0.05	Rating **	U	Issue No.	4
LM End	0.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41564 DS_ID:169 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete pump pad and concrete standpipe not found. Plate bolted on the W/S end of the pipe- not found. Abandoned pipe and pump. A valve and pvc stand pipe on LS but it seems that this is not a part of the crossing. Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: 10-inch pipe (abandoned) through the levee, 18 feet below the crown. Pump gone, concrete pump pad on the waterward bank. PVC standpipe on the L/S side. 2-inch electric conduit through the levee, 3.8 feet below the crown. FS Date: 03/18/2013					

No Photos

LM Start	0.38	Rating **	M	Issue No.	47
LM End	0.38	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 : SP_2015_RD0537_173_47_20150401_00018.jpg



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

* 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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	0.38	Rating **	M	Issue No.	47 (cont)
LM End	0.38	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 2 of 2 : SP_2015_RD0537_173_47_20150401_00019.jpg



Firewood is at the toe of the levee and is 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 Inspector Comments: Also building is in the easement.					

Photo 1 of 3 : SP_2015_RD0537_173_6_20150401_00006.jpg



Irrigation pipe and equipment along the levee toe. Spring 2013

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

Photo 2 of 3 : SP_2015_RD0537_173_6_20150401_00007.jpg



The equipment is still within the easement. Fall 2013

* 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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

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 3 of 3 : SP_2015_RD0537_173_6_20150401_00008.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 1 : SP_2015_RD0537_173_18_20150401_00015.jpg



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

LM Start	0.44	Rating **	M	Issue No.	50
LM End	0.44	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 : SP_2015_RD0537_173_50_20150401_00022.jpg



A closer view of the retaining wall, spring 2012.

* 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
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Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	0.44	Rating **	M	Issue No.	50 (cont)
LM End	0.44	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 2 of 2 : SP_2015_RD0537_173_50_20150401_00023.jpg



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

LM Start	0.59	Rating **	M	Issue No.	471
LM End	0.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.647462 °	38.647462 °
				-121.575348 °	-121.575348 °
DWR ID	DWR_RD0537_01_s_2015_471				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

Photo 1 of 1 : SP_2015_RD0537_173_471_20150421_00065.jpg



View of the crown of the levee looking downstream. Spring 2015.

LM Start	0.72	Rating **	A/W	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. Inspector Comments: It's away from the project alignment.					

Photo 1 of 4 : SP_2015_RD0537_173_954_20150401_00028.jpg



This is a photo of the eroison at the bank.

* 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 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	0.72	Rating **	A/W	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. Inspector Comments: It's away from the project alignment.					

Photo 2 of 4 : SP_2015_RD0537_173_954_20150401_00029.jpg



Another view of the site. Fall 2011

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

Photo 3 of 4 : SP_2015_RD0537_173_954_20150401_00030.jpg



Another view of some badly eroded areas. Fall 2011

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

Photo 4 of 4 : SP_2015_RD0537_173_954_20150401_00031.jpg



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

* 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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	1.91	Rating **	U	Issue No.	40
LM End	1.91	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 compact or grout burrows.					

Photo 1 of 2 : SP_2015_RD0537_173_40_20150401_00016.jpg



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

LM Start	1.91	Rating **	U	Issue No.	40 (cont)
LM End	1.91	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0537_173_40_20150401_00017.jpg



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

LM Start	1.99	Rating **	U	Issue No.	472
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.631957 °	38.631957 °
				-121.564435 °	-121.564435 °
DWR ID	DWR_RD0537_01_s_2015_472				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : SP_2015_RD0537_173_472_20150421_00066.jpg



View of the erosion on the landward side of the levee looking downstream. Spring 2015.

* Location LS : Land Side N/A : Not Applicable 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	2.02	Rating **	C	Issue No.	49
LM End	2.02	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.					

No Photos

LM Start	2.50	Rating **	M	Issue No.	7
LM End	2.50	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 3 : SP_2015_RD0537_173_7_20150421_00067.jpg



View of the mounds of the rodent holes on the landward side of the levee looking downstream. Spring 2015.

LM Start	2.50	Rating **	M	Issue No.	7 (cont)
LM End	2.50	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_RD0537_173_7_20150421_00068.jpg



Another view of the mounds of the rodent holes on the landward side of the levee. Spring 2015.

* 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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	2.50	Rating **	M	Issue No.	7 (cont)
LM End	2.50	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 3 of 3 : SP_2015_RD0537_173_7_20150401_00010.jpg



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

LM Start	2.62	Rating **	A/W	Issue No.	10
LM End	2.62	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 compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD0537_173_10_20150401_00013.jpg



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

LM Start	2.63	Rating **	M	Issue No.	473
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.622625 °	38.609063 °
				-121.563507 °	-121.560598 °
DWR ID	DWR_RD0537_01_s_2015_473				
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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	2.76	Rating **	M	Issue No.	5
LM End	2.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:9937 DS_ID:178 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found 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: 03/18/2013					

No Photos

LM Start	2.88	Rating **	M	Issue No.	9
LM End	2.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.619674 °	38.619674 °
				-121.563330 °	-121.563330 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41602 DS_ID:179 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete standpipe not found on LS but a shallow CM standpipe found on cultivated field. A 6-inch wasted pipe down bank, gate valve on waste line- not visible due to the vegetation. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Steel walkway mounted on pile structure across the berm to pump. Burried siphon breaker in CM pipe riser on the landward slope. FS Date: 03/18/2013					

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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	2.89	Rating **	M	Issue No.	3
LM End	2.92	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_2015_3				
Action/Comments					
Landscaping Inspector Comments: Arundo starting to creep up levee slope.					

Photo 1 of 3 : SP_2015_RD0537_173_3_20150401_00003.jpg



There is groundcover and landscape shrubs at the toe.

LM Start	2.89	Rating **	M	Issue No.	3 (cont)
LM End	2.92	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2015_RD0537_173_3_20150401_00004.jpg



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

LM Start	2.89	Rating **	M	Issue No.	3 (cont)
LM End	2.92	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2015_RD0537_173_3_20150401_00005.jpg



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

* 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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	3.06	Rating **	U	Issue No.	264
LM End	3.06	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 : SP_2015_RD0537_173_264_20150401_00026.jpg



Erosion cut in levee slope 2-3 feet deep. Spring 2014

LM Start	3.06	Rating **	U	Issue No.	264 (cont)
LM End	3.06	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0537_173_264_20150401_00027.jpg



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

LM Start	3.11	Rating **	M	Issue No.	14
LM End	3.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.616413 °	38.616413 °
				-121.563205 °	-121.563205 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41712 DS_ID:181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Obstructed siphon breaker.					

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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	3.66	Rating **	A/W	Issue No.	474
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.608160 °	38.608160 °	
			-121.560288 °	-121.560288 °	
DWR ID	DWR_RD0537_01_s_2015_474				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	4.12	Rating **	U	Issue No.	8
LM End	4.31	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 : SP_2015_RD0537_173_8_20150401_00011.jpg



Abandoned building and fence on the levee crown. Spring 2013

LM Start	4.12	Rating **	U	Issue No.	8 (cont)
LM End	4.31	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2015_RD0537_173_8_20150401_00012.jpg



Building and old equipment within the fenced compound. Spring 2014

* 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 - Spring 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

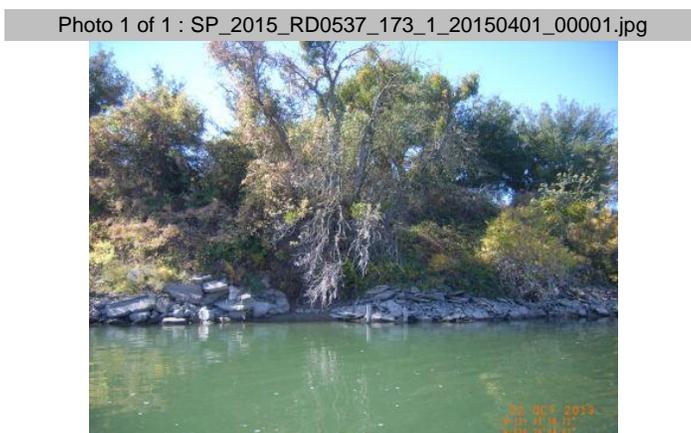
LM Start	4.25	Rating **	M	Issue No.	2
LM End	4.27	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.602101 °	38.601708 °
				-121.553909 °	-121.553603 °
DWR ID	DWR_RD0537_01_f_2014_2				
Action/Comments					
Inspector Comments: 1997 - Erosion near the downstream corner of the Sacramento Weir. 2000 - Local damage induced by human use. 2013: No observed changes. [2013 Site ID: SAC_63-0_R]					



LM Start	4.30	Rating **	M	Issue No.	15
LM End	4.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.601384 °	38.601384 °
				-121.554099 °	-121.554099 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45026 DS_ID:171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch pipe off WS slope on concrete platform. FS Date: 04/28/2015					

No Photos

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	DWR_RD0537_01_f_2014_1				
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]					



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/14/2015 04/14/2015	Jai Lor

LM Start	4.40	Rating **	M	Issue No.	16
LM End	4.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600310 °	38.600310 °
				-121.552816 °	-121.552816 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45024 DS_ID:235 EP_NO: 17993 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need signs on WS slope for all gas lines in area. FIELD_STRUCT_DESC: To install a 20-inch-diameter natural gas pipeline (bored) under the channel and levees of the Sacramento River. Sign on opposite bank. Sign off LS toe on other side of railroad tracks at base of tower. Application No. 17993, 2006. FS Date: 04/28/2015					

No Photos

LM Start	4.53	Rating **	U	Issue No.	475
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.598205 °	38.598205 °
				-121.550675 °	-121.550675 °
DWR ID	DWR_RD0537_01_s_2015_475				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 2 : SP_2015_RD0537_173_475_20150421_00069.jpg



View of the animal burrows on the landward side of the levee. Spring 2015.

* Location LS : Land Side N/A : Not Applicable 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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 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	04/14/2015 - 04/14/2015			
DWR Inspector	Jai Lor			
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 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	04/14/2015 04/14/2015	Jai Lor

LM Start	0.05	Rating **	M	Issue No.	1
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.596620 °	38.582668 °	
			-121.576952 °	-121.568865 °	
DWR ID	DWR_RD0537_02_s_2015_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD0537_174_1_20150421_00006.jpg



View of the vegetation on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.21	Rating **	C	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.					

No Photos

LM Start	0.22	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					
Inspector Comments: Trees along the toe of the waterside levee at the bottom of the rip rap.					

Photo 1 of 3 : SP_2015_RD0537_174_4_20150401_00003.jpg



Trees are at the toe of the waterside levee. Sandbar Willows are creeping up the slope. 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 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	04/14/2015 04/14/2015	Jai Lor

LM Start	0.22	Rating **	A/W	Issue No.	4 (cont)
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 Inspector Comments: Trees along the toe of the waterside levee at the bottom of the rip rap.					

Photo 2 of 3 : SP_2015_RD0537_174_4_20150401_00004.jpg



Levee mile 0.00, vegetation at the toe of the levee. Fall 2014.

LM Start	0.22	Rating **	A/W	Issue No.	4 (cont)
LM End	1.17	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_RD0537_174_4_20150401_00005.jpg



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

* 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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