Flood Control Project Maintenance
Levee Inspections

LMA District Cover Sheet

Spring 2020 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 indiction of risk.

Comments

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 2020 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	4/10/2020 - 4/10/2020			
DWR Inspector	Zach Jojola			
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 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start		Rating **	A	Issue No.	**11**
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			° °	° °
DWR ID	DWR_RD0537_01_s _ 2013_11				
Comment Code					
Inspector Comment					
O&M manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	**12**
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			° °	° °
DWR ID	DWR_RD0537_01_s _ 2013_12				
Comment Code					
Inspector Comment					
LMA has flood fight supplies available on site in special containers.					

No Photos

LM Start		Rating **	A	Issue No.	**13**
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			° °	° °
DWR ID	DWR_RD0537_01_s _ 2013_13				
Comment Code					
Inspector Comment					
LMA is current with flood fight training.					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.03**	Rating **	N	Issue No.	**22**
LM End	**0.03**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.643305 °	38.643305 °
				-121.583749 °	-121.583749 °
DWR ID	DWR_RD0537_01_f _ 2015_22				

Comment Code

T5 : Tree stumps.

Inspector Comment

Photo 1 of 1 : SP_2020_RD0537_173_22_20200228_00014.jpg

View of the tree stumps on the waterward side of the levee looking downstream. Fall 2015.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.05**	Rating **	U	Issue No.	**265**
LM End	**0.05**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID	169				

Comment Code

Inspector Comment

DS_ID:169
FS_ID:53398
EP_NO: 558
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/17/2018 Pipe has severely corroded and silted inside. Needs to be abandoned properly or removed. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)07/18/2016 - Same as last inspection. Pipe severly corroded. Since it is a deep irrigation pipe, cracking on pavement likely not caused by pipe. (K. Fazel/UCIP)03/18/2013 - Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. (P. Amatya/UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 18 feet below the crown. Centrifugal pump on the waterside (WS). Concrete collar on the WS per permit drawing, not found in 2016. Polyvinyl chloride (PVC) standpipe and valve enclosed by a concrete standpipe off the landside (LS) toe, likely not associated with the crossing, per Ken Lang of Reclamation District No. 537 (RD0537). 1-inch electrical conduit through the levee, 3.8 feet below the crown, this may not be associated with the crossing, per Ken Lang. (Plans for the installation of a pumping plant with a 10-inch discharge pipe through the levee authorized under Permit No. 558, 1932 - A. Marty and Brothers). Current adjacent landowner is the Giovennetti Ranch, but the pipe is not used by the landowner. [Additional Reference(s): DWR Levee Log, 2004, referenced as 8.3 feet below the crown]. Permit drawing issued in 1932 indicates that the pipe depth is 6.7 feet; however, permit was issued prior to the construction of a new levee prism above the old levee in 1955.
FS Date: 7/17/2018 4:18:20 PM

Photo 1 of 3 : UCIP_SP_2020_53398_17141.jpg

WS- abandoned steel pipe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.05**	Rating **	U	Issue No.	**265 (cont)**
LM End	**0.05**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID	169				

Photo 2 of 3 : UCIP_SP_2020_53398_17146.jpg

Crown- cracked crown pavement.

LM Start	**0.05**	Rating **	U	Issue No.	**265 (cont)**
LM End	**0.05**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_53398_17147.jpg

LS- pieces of concrete standpipe

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.07**	Rating **	M	Issue No.	**266**
LM End	**0.07**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643528 °	38.643528 °
				-121.583193 °	-121.583193 °
DWR ID	168				

Comment Code

Inspector Comment

DS_ID:168
FS_ID:46803
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Crossing appears abandoned; if so, must be done so properly.
FIELD_STRUCT_DESC: *ABANDONED* 10-inch coated steel irrigation discharge pipe, 3.8 feet below the crown. Pump is gone. Concrete pump pad on the waterside (WS) bank, not found. 36-inch concrete standpipe off the landside (LS) toe. 2-inch electrical conduit through the levee, not found. 1-inch electrical conduit found for the 10-inch pipe located 50 feet upstream. Plate bolted to the WS end of the pipe. [Additional Reference(s): DWR Levee Log, 2004].
FS Date: 4/29/2015

Photo 1 of 3 : UCIP_SP_2020_46803_74402.jpg

Pipe visible along WS slope.

LM Start	**0.07**	Rating **	M	Issue No.	**266 (cont)**
LM End	**0.07**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_46803_74403.jpg

View of pipe into water.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.07**	Rating **	M	Issue No.	**266 (cont)**
LM End	**0.07**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643528 °	38.643528 °
				-121.583193 °	-121.583193 °
DWR ID	168				

Photo 3 of 3 : UCIP_SP_2020_46803_74404.jpg

Closeup of plates bolted to pipe on WS slope.

LM Start	**0.14**	Rating **	M	Issue No.	**34**
LM End	**0.14**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.644217 °	38.644217 °
				-121.582249 °	-121.582249 °
DWR ID	DWR_RD0537_01_f _ 2016_34				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Rills on the waterside slope.

No Photos

LM Start	**0.16**	Rating **	M	Issue No.	**51**
LM End	**0.16**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.644389 °	38.644389 °
				-121.581964 °	-121.581964 °
DWR ID	DWR_RD0537_01_f _ 2019_51				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Rills on the waterside slope.

No Photos

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* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

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			38.646557 °	38.646557 °
				-121.578529 °	-121.578529 °
DWR ID	DWR_RD0537_01_s _ 2013_6				

Comment Code

EQ : Equipment

Inspector Comment

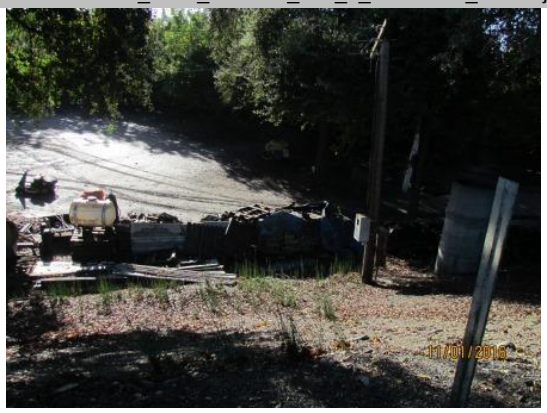
Equipment at the landside toe.

Photo 1 of 2 : SP_2020_RD0537_173_6_20200228_00002.jpg

View of the equipment at the toe of the levee looking downstream. Spring 2016.

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

Photo 2 of 2 : SP_2020_RD0537_173_6_20200228_00003.jpg



View of equipment at landside toe. Fall 2016.

LM Start	**0.42**	Rating **	N	Issue No.	**32**
LM End	**0.42**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.646811 °	38.646811 °
				-121.578241 °	-121.578241 °
DWR ID	DWR_RD0537_01_s _ 2016_32				

Comment Code

T5 : Tree stumps.

Inspector Comment

Photo 1 of 1 : SP_2020_RD0537_173_32_20200228_00019.jpg

View of the tree stump on the waterward side of the levee looking downstream. Spring 2016.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

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_s _ 2018_18				

Comment Code

V6 : Landscaping

Inspector Comment

Photo 1 of 1 : SP_2020_RD0537_173_18_20200228_00010.jpg

View of the cactus at the toe of the levee. Spring 2016.

LM Start	**0.44**	Rating **	M	Issue No.	**50**
LM End	**0.44**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647005 °	38.647005 °
				-121.577813 °	-121.577813 °
DWR ID	DWR_RD0537_01_s _ 2012_50				

Comment Code

RW : Retaining Wall

Inspector Comment

Photo 1 of 3 : SP_2020_RD0537_173_50_20200228_00030.jpg

View of the retaining wall at the levee toe on the landward side of the levee looking downstream. The wall is partially broken. Fall 2015.

LM Start	**0.44**	Rating **	M	Issue No.	**50 (cont)**
LM End	**0.44**	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2020_RD0537_173_50_20200228_00031.jpg

View of the retaining wall at the toe of the levee on the landward side. Spring 2016.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

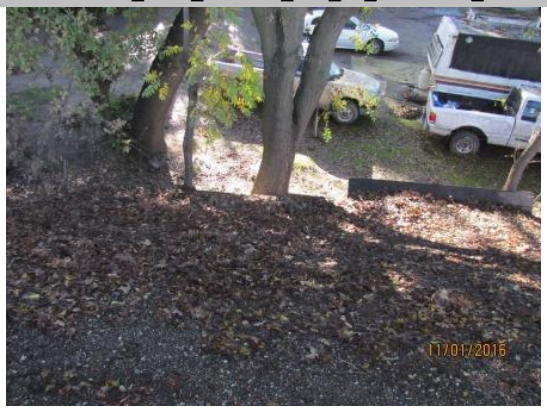
Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.44**	Rating **	M	Issue No.	**50 (cont)**
LM End	**0.44**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647005 °	38.647005 °
				-121.577813 °	-121.577813 °
DWR ID	DWR_RD0537_01_s _ 2012_50				

Photo 3 of 3 : SP_2020_RD0537_173_50_20200228_00032.jpg



View of the site. Fall 2016.

LM Start	**0.54**	Rating **	C	Issue No.	**44**
LM End	**0.54**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647724 °	38.647724 °
				-121.576235 °	-121.576235 °
DWR ID	DWR_RD0537_01_f _ 2019_44				

Comment Code
TR : Tree or limb
Inspector Comment
Fallen tree limbs on the waterside slope.

No Photos

LM Start	**0.55**	Rating **	C	Issue No.	**42**
LM End	**0.55**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647818 °	38.647818 °
				-121.575947 °	-121.575947 °
DWR ID	DWR_RD0537_01_f _ 2019_42				

Comment Code
TR : Tree or limb
Inspector Comment
Fallen tree on the waterside slope.

No Photos

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* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
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Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.58**	Rating **	M	Issue No.	**53**
LM End	**0.58**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647475 °	38.647475 °
				-121.575515 °	-121.575515 °
DWR ID	DWR_RD0537_01_s _ 2018_53				

Comment Code

FW : Firewood

Inspector Comment

Firewood piles and abandoned concrete pipe at the landside toe.

Photo 1 of 2 : SP_2020_RD0537_173_53_20200228_00033.jpg

Large piles of firewood at the landside toe. Spring 2018.

LM Start	**0.58**	Rating **	M	Issue No.	**53 (cont)**
LM End	**0.58**	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2020_RD0537_173_53_20200228_00034.jpg

Concrete ring at landside levee toe. Fall 2016.

LM Start	**0.71**	Rating **	M	Issue No.	**33**
LM End	**0.71**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647030 °	38.647030 °
				-121.573276 °	-121.573276 °
DWR ID	DWR_RD0537_01_s _ 2019_33				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
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Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**0.73**	Rating **	M	Issue No.	**48**
LM End	**0.74**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647115 °	38.647157 °
				-121.572970 °	-121.572786 °
DWR ID	DWR_RD0537_01_f _ 2016_48				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	**0.81**	Rating **	U	Issue No.	**35**
LM End	**0.81**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.647181 °	38.647181 °
				-121.571586 °	-121.571586 °
DWR ID	DWR_RD0537_01_f _ 2016_35				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Runoff erosion on landside slope.

Photo 1 of 2 : SP_2020_RD0537_173_35_20200228_00020.jpg

View of erosion on the landside slope. Fall 2019.

LM Start	**0.81**	Rating **	U	Issue No.	**35 (cont)**
LM End	**0.81**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2020_RD0537_173_35_20200228_00021.jpg

View of erosion on the landside slope. Fall 2018.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**1.19**	Rating **	M	Issue No.	**36**
LM End	**1.19**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.643355 °	38.643355 °
				-121.566895 °	-121.566895 °
DWR ID	DWR_RD0537_01_f _ 2016_36				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	**1.23**	Rating **	M	Issue No.	**37**
LM End	**1.23**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.642785 °	38.642785 °
				-121.566603 °	-121.566603 °
DWR ID	DWR_RD0537_01_f _ 2016_37				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

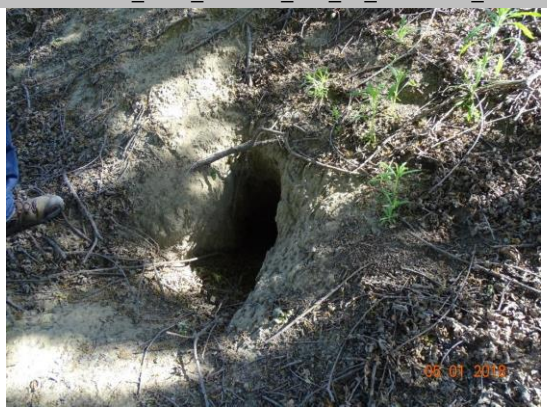
Multiple rodent holes on landside slope.

Photo 1 of 2 : SP_2020_RD0537_173_37_20200228_00023.jpg

View of rodent hole on the landside slope. Spring 2018.

LM Start	**1.23**	Rating **	M	Issue No.	**37 (cont)**
LM End	**1.23**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2020_RD0537_173_37_20200228_00024.jpg



Additional rodent hole on the landside slope. Spring 2018.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**1.23**	Rating **	M	Issue No.	**45**
LM End	**2.56**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.642750 °	38.623728 °
				-121.566510 °	-121.563473 °
DWR ID	DWR_RD0537_01_s _ 2020_45				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**1.77**	Rating **	C	Issue No.	**41**
LM End	**1.77**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.635068 °	38.635068 °
				-121.564598 °	-121.564598 °
DWR ID	DWR_RD0537_01_f _ 2019_41				

Comment Code

TR : Tree or limb

Inspector Comment

Fallen tree limb on the waterside slope.

No Photos

LM Start	**1.81**	Rating **	C	Issue No.	**59**
LM End	**1.81**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.634585 °	38.634585 °
				-121.564604 °	-121.564604 °
DWR ID	DWR_RD0537_01_s _ 2017_59				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

*** Location**	**** Rating**	**+ Issue Type**
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**1.84**	Rating **	C	Issue No.	**38**
LM End	**1.84**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.634056 °	38.634056 °
				-121.564466 °	-121.564466 °
DWR ID	DWR_RD0537_01_f _ 2019_38				

Comment Code

TR : Tree or limb

Inspector Comment

Fallen tree limb at the waterside toe.

No Photos

LM Start	**1.91**	Rating **	C	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 _ 2019_40				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Multiple rodent holes on the landside slope. Runoff is beginning to widen and expose existing tunnels.

No Photos

LM Start	**1.93**	Rating **	M	Issue No.	**29**
LM End	**1.95**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.632874 °	38.632462 °
				-121.564494 °	-121.564448 °
DWR ID	DWR_RD0537_01_f _ 2018_29				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**1.97**	Rating **	M	Issue No.	**39**
LM End	**1.97**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.632224 °	38.632224 °
				-121.564443 °	-121.564443 °
DWR ID	DWR_RD0537_01_f _ 2016_39				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Multiple holes on the landside slope.

No Photos

LM Start	**2.03**	Rating **	C	Issue No.	**31**
LM End	**2.03**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.631326 °	38.631326 °
				-121.564234 °	-121.564234 °
DWR ID	DWR_RD0537_01_f _ 2019_31				

Comment Code

TR : Tree or limb

Inspector Comment

Tree limbs on the waterside slope.

No Photos

LM Start	**2.09**	Rating **	M	Issue No.	**60**
LM End	**2.09**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.630463 °	38.630463 °
				-121.564234 °	-121.564234 °
DWR ID	DWR_RD0537_01_s _ 2017_60				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : SP_2020_RD0537_173_60_20200228_00039.jpg

Large burrow hole on landside levee slope. Spring 2017.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**2.20**	Rating **	M	Issue No.	**20**
LM End	**2.20**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			°	°
				°	°
DWR ID	DWR_RD0537_01_f _ 2018_20				

Comment Code

ST : Stairway

Inspector Comment

Landowner has dug stairs within the landside slope.

Photo 1 of 1 : SP_2020_RD0537_173_20_20200228_00013.jpg

View of stairs on the landside slope. Fall 2018.

LM Start	**2.53**	Rating **	M	Issue No.	**17**
LM End	**2.54**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.624126 °	38.623983 °
				-121.563510 °	-121.563503 °
DWR ID	DWR_RD0537_01_f _ 2015_17				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Multiple rodent holes on waterside slope.

Photo 1 of 1 : SP_2020_RD0537_173_17_20200228_00007.jpg

View of another rodent hole on the waterside slope. Fall 2017.

LM Start	**2.59**	Rating **	M	Issue No.	**25**
LM End	**3.01**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.623297 °	38.617213 °
				-121.563432 °	-121.563222 °
DWR ID	DWR_RD0537_01_s _ 2020_25				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**2.72**	Rating **	M	Issue No.	**267**
LM End	**2.72**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID	178				

Comment Code

Inspector Comment

DS_ID:178
FS_ID:46035
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Wasted pipe and valve not visible due to vegetation.
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 4.5 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the waterside (WS) berm, not found. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS. 6-inch waste line down the WS bank with a gate valve. 2-inch electrical conduit through the levee. [Additional Reference(s): DWR Levee Log, 2004].
FS Date: 3/18/2013

Photo 1 of 3 : UCIP_SP_2020_46035_17008.jpg

WS- overview of pump, pipe and steel structure structure.

LM Start	**2.72**	Rating **	M	Issue No.	**267 (cont)**
LM End	**2.72**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_46035_17007.jpg

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**2.72**	Rating **	M	Issue No.	**267 (cont)**
LM End	**2.72**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID	178				

Photo 3 of 3 : UCIP_SP_2020_46035_17006.jpg

LS- siphon breaker in pvc pipe riser.

LM Start	**2.84**	Rating **	M	Issue No.	**268**
LM End	**2.84**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.619674 °	38.619674 °
				-121.563330 °	-121.563330 °
DWR ID	179				

Comment Code

Inspector Comment

DS_ID:179
FS_ID:46037
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: A 6-inch wasted pipe down bank, gate valve on waste line- not visible due to the vegetation.
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Steel walkway mounted on a pile structure across the berm to the pump. Buried siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS, not found; however, a shallow CMP standpipe was found on a cultivated field. 6-inch waste line down the waterside (WS) bank with a gate valve. [Additional Reference(s): DWR Levee Log, 2004].
FS Date: 3/18/2013

Photo 1 of 3 : UCIP_SP_2020_46037_17027.jpg

WS- overview of slanted pump on steel structure.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**2.84**	Rating **	M	Issue No.	**268 (cont)**
LM End	**2.84**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.619674 °	38.619674 °
				-121.563330 °	-121.563330 °
DWR ID	179				

Photo 2 of 3 : UCIP_SP_2020_46037_17026.jpg

WS- slanted pump and pipe on steel structure.

LM Start	**2.84**	Rating **	M	Issue No.	**268 (cont)**
LM End	**2.84**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_46037_17025.jpg

WS- steel walkway on pile structure.

LM Start	**2.86**	Rating **	C	Issue No.	**27**
LM End	**2.86**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.619363 °	38.619363 °
				-121.563295 °	-121.563295 °
DWR ID	DWR_RD0537_01_f _ 2019_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree limb on the waterside slope.					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**2.92**	Rating **	M	Issue No.	**3**
LM End	**2.92**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.618535 °	38.618535 °
				-121.563373 °	-121.563373 °
DWR ID	DWR_RD0537_01_s _ 2015_3				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Arundo starting to creep up on the levee slope.

Photo 1 of 1 : SP_2020_RD0537_173_3_20200228_00001.jpg

View of the arundo at the levee toe on the landward side of the levee looking upstream. Fall 2015.

LM Start	**2.93**	Rating **	M	Issue No.	**269**
LM End	**2.93**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618334 °	38.618334 °
				-121.563318 °	-121.563318 °
DWR ID	180				

Comment Code

Inspector Comment

DS_ID:180
FS_ID:46806
EP_NO: 4656
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Broken gate valve handle on waste pipe.
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the berm to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete pipe riser on the LS. 6-inch waste line down the waterside (WS) bank with a gate valve. (Plans to install a new steel pipe through an existing pipe and to grout the annular space between the pipes through the levee authorized under Permit No. 4656, 1964 - Beatty H. Ramsay, MD). [Additional Reference(s): DWR Levee Log, 2004].
FS Date: 3/18/2013

Photo 1 of 3 : UCIP_SP_2020_46806_17038.jpg

WS- slanted pipe and pump on timber structure.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

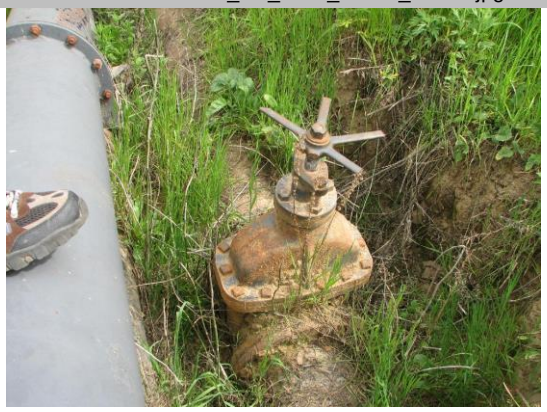
LM Start	**2.93**	Rating **	M	Issue No.	**269 (cont)**
LM End	**2.93**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618334 °	38.618334 °
				-121.563318 °	-121.563318 °
DWR ID	180				

Photo 2 of 3 : UCIP_SP_2020_46806_17037.jpg

WS- main pipe and waste pipe with gate valve

LM Start	**2.93**	Rating **	M	Issue No.	**269 (cont)**
LM End	**2.93**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_46806_17036.jpg



WS- main pipe and waste pipe with gate valve

LM Start	**2.99**	Rating **	M	Issue No.	**47**
LM End	**2.99**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.617525 °	38.617525 °
				-121.563339 °	-121.563339 °
DWR ID	DWR_RD0537_01_s _ 2020_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole at landside toe.					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**3.06**	Rating **	M	Issue No.	**264**
LM End	**3.06**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.616504 °	38.616504 °
				-121.563270 °	-121.563270 °
DWR ID	DWR_RD0537_01_s _ 2014_264				

Comment Code

PI : Pipe

Inspector Comment

Erosion under the gangway. The owner of the pipe should repair this issue.

Photo 1 of 1 : SP_2020_RD0537_173_264_20200228_00040.jpg

There is erosion under the gangway on the waterward side of the levee looking downstream. Fall 2015.

LM Start	**3.06**	Rating **	M	Issue No.	**270**
LM End	**3.06**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.616413 °	38.616413 °
				-121.563205 °	-121.563205 °
DWR ID	181				

Comment Code

Inspector Comment

DS_ID:181
FS_ID:46041
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Obstructed siphon breaker.
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the berm to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS. 6-inch waste line down the waterside (WS) bank with a gate valve. [Additional Reference(s): DWR Levee Log, 2004].
FS Date: 3/18/2013

Photo 1 of 3 : UCIP_SP_2020_46041_17171.jpg

WS- overview of slanted pipe and pump on steel pile structure

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**3.06**	Rating **	M	Issue No.	**270 (cont)**
LM End	**3.06**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.616413 °	38.616413 °
				-121.563205 °	-121.563205 °
DWR ID	181				

Photo 2 of 3 : UCIP_SP_2020_46041_17170.jpg

WS- covered slanted pump on timber platform.

LM Start	**3.06**	Rating **	M	Issue No.	**270 (cont)**
LM End	**3.06**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_46041_17169.jpg

WS- slanted pipe and waste pipe gate valve

LM Start	**3.13**	Rating **	M	Issue No.	**16**
LM End	**3.47**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.615433 °	38.610715 °
				-121.563027 °	-121.561622 °
DWR ID	DWR_RD0537_01_s _ 2020_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**3.37**	Rating **	M	Issue No.	**23**
LM End	**3.37**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.611997 °	38.611997 °
				-121.562234 °	-121.562234 °
DWR ID	DWR_RD0537_01_f _ 2019_23				

Comment Code

DE : Debris

Inspector Comment

Wood pile on the waterside slope.

No Photos

LM Start	**3.45**	Rating **	M	Issue No.	**43**
LM End	**3.45**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.610914 °	38.610914 °
				-121.561835 °	-121.561835 °
DWR ID	DWR_RD0537_01_f _ 2016_43				

Comment Code

GA : Garbage

Inspector Comment

Sofa on landside slope.

Photo 1 of 1 : SP_2020_RD0537_173_43_20200228_00027.jpg

Garbage on LS slope. Fall 2016.

LM Start	**3.51**	Rating **	M	Issue No.	**14**
LM End	**3.51**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.610128 °	38.610128 °
				-121.561300 °	-121.561300 °
DWR ID	DWR_RD0537_01_f _ 2015_14				

Comment Code

DE : Debris

Inspector Comment

Abandoned pipes and power pole.

Photo 1 of 1 : SP_2020_RD0537_173_14_20200228_00006.jpg

View of concrete debris and a utility pole on the landward side of the levee. Fall 2015.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**3.61**	Rating **	M	Issue No.	**52**
LM End	**3.61**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.608914 °	38.608914 °
				-121.560409 °	-121.560409 °
DWR ID	DWR_RD0537_01_f _ 2019_52				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent holes on the landside slope.

No Photos

LM Start	**4.13**	Rating **	U	Issue No.	**8**
LM End	**4.31**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602671 °	38.600687 °
				-121.555351 °	-121.553297 °
DWR ID	DWR_RD0537_01_s _ 2012_8				

Comment Code

BU : Building

Inspector Comment

Photo 1 of 2 : SP_2020_RD0537_173_8_20200228_00004.jpg

Abandoned building and fence on the levee crown. Spring 2013

LM Start	**4.13**	Rating **	U	Issue No.	**8 (cont)**
LM End	**4.31**	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2020_RD0537_173_8_20200228_00005.jpg

Building and old equipment within the fenced compound. Spring 2014

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

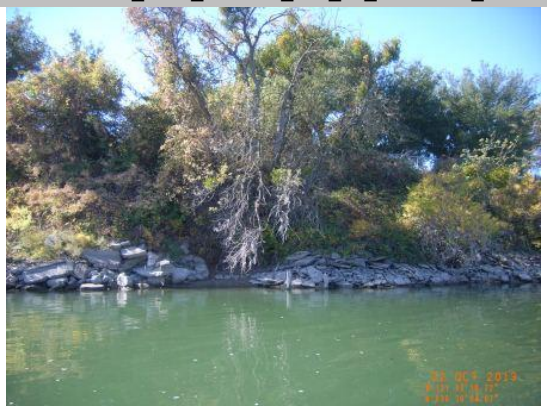
LM Start	**4.14**	Rating **	A/W	Issue No.	**19**
LM End	**4.24**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.602874 °	38.601718 °
				-121.554620 °	-121.553629 °
DWR ID	DWR_RD0537_01_f _ 2018_19				

Comment Code

Inspector Comment

2017 Site ID: SAC 62.9 R
Status: Eroding
2017 Field Notes: Fresh erosion pocket near downstream end.
Site History: 1997 - This may have been a cobble rehabilitation site to the 1957 cobble that was place all the way to the I-80 Bridge. 2000 - Local damage induced by human use. 2003 - Site is still very close to the levee and into the levee toe. 2011 - One new tree has fallen. 2015 - Sites 62.9 and 63 were combined into one site.

Photo 1 of 1 : SP_2020_RD0537_173_19_20200228_00012.jpg



USACE 2013 Photo #1

LM Start	**4.24**	Rating **	M	Issue No.	**271**
LM End	**4.24**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.601384 °	38.601384 °
				-121.554099 °	-121.554099 °
DWR ID	171				

Comment Code

Inspector Comment

DS_ID:171
FS_ID:45026
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: *ABANDONED* 12-inch irrigation discharge pipe of an unknown material through the levee, 15.1 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Appears to be improperly abandoned. [Additional Reference(s): DWR Levee Log, 2004].
FS Date: 4/28/2015

Photo 1 of 3 : UCIP_SP_2020_45026_17073.jpg

Riparian Lands Trust- no access through gate.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**4.24**	Rating **	M	Issue No.	**271 (cont)**
LM End	**4.24**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.601384 °	38.601384 °
				-121.554099 °	-121.554099 °
DWR ID	171				

Photo 2 of 3 : UCIP_SP_2020_45026_17072.jpg

No access through gate. Area behind gated area along WS slope accessible.

LM Start	**4.24**	Rating **	M	Issue No.	**271 (cont)**
LM End	**4.24**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_45026_74045.jpg

12" pipe along WS slope resting on possible remnant of pump house.

LM Start	**4.34**	Rating **	M	Issue No.	**56**
LM End	**4.35**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.600405 °	38.600384 °
				-121.552730 °	-121.552705 °
DWR ID	DWR_RD0537_01_s _ 2017_56				

Comment Code
E2 : Schedule repair of erosion site prior to the next inspection.
Inspector Comment
Runoff erosion on the waterside slope.

Photo 1 of 1 : SP_2020_RD0537_173_56_20200504_00065.jpg

View of erosion on the waterside berm. Spring 2020.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**4.35**	Rating **	M	Issue No.	**272**
LM End	**4.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600310 °	38.600310 °
				-121.552816 °	-121.552816 °
DWR ID	235				

Comment Code

Inspector Comment

DS_ID:235
FS_ID:45024
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: 20-inch steel natural gas pipeline bored under the channel and levees, at an unknown depth. Sign on opposite bank. Sign off the landside (LS) toe on the other side of the railroad tracks at the base of the tower. (Plans to install a 20-inch natural gas pipeline bored under the channel and levees authorized under Permit No. 17993, 2006 - Pacific Gas and Electric Company [PG&E], attention Michael Gunby).
FS Date: 4/28/2015

Photo 1 of 3 : UCIP_SP_2020_45024_74020.jpg

Red circle shows location of sign on opposite bank.

LM Start	**4.35**	Rating **	M	Issue No.	**272 (cont)**
LM End	**4.35**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_45024_74021.jpg

Closeup of PGE "Gas Pipeline Crossing" sign on opposite bank.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**4.35**	Rating **	M	Issue No.	**272 (cont)**
LM End	**4.35**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600310 °	38.600310 °
				-121.552816 °	-121.552816 °
DWR ID	235				

Photo 3 of 3 : UCIP_SP_2020_45024_74040.jpg

Marker off LS toe at base of tower at opposite side of RR tracks.

LM Start	**4.37**	Rating **	C	Issue No.	**46**
LM End	**4.37**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599997 °	38.599997 °
				-121.552470 °	-121.552470 °
DWR ID	DWR_RD0537_01_f _ 2016_46				
Comment Code					
MA : Material					
Inspector Comment					
Storage container on landside easement.					

No Photos

LM Start	**4.42**	Rating **	M	Issue No.	**54**
LM End	**4.42**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599533 °	38.599533 °
				-121.551979 °	-121.551979 °
DWR ID	DWR_RD0537_01_s _ 2020_54				
Comment Code					
EQ : Equipment					
Inspector Comment					
Rairoad track at landside toe.					

No Photos

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* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**4.42**	Rating **	C	Issue No.	**30**
LM End	**4.42**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599472 °	38.599472 °
				-121.551907 °	-121.551907 °
DWR ID	DWR_RD0537_01_s _ 2019_30				

Comment Code

PR : Prunings

Inspector Comment

Pruning pile on the landside shoulder.

No Photos

LM Start	**4.45**	Rating **	M	Issue No.	**21**
LM End	**4.45**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599176 °	38.599176 °
				-121.551492 °	-121.551492 °
DWR ID	DWR_RD0537_01_f _ 2019_21				

Comment Code

DE : Debris

Inspector Comment

Boxes of halogen bulbs and broken glass on the waterside shoulder.

No Photos

LM Start	**4.48**	Rating **	A/W	Issue No.	**24**
LM End	**4.48**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.598854 °	38.598854 °
				-121.551141 °	-121.551141 °
DWR ID	DWR_RD0537_01_f _ 2017_24				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

Runoff erosion on overbuilt section of levee on the waterside.
Recommend monitoring.

Photo 1 of 1 : SP_2020_RD0537_173_24_20200228_00015.jpg

View of erosion on waterside slope. Fall 2018.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/10/2020 04/10/2020	Zach Jojola

LM Start	**4.70**	Rating **	A/W	Issue No.	**55**
LM End	**4.70**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.596962 °	38.596962 °
				-121.548360 °	-121.548360 °
DWR ID	DWR_RD0537_01_s _ 2020_55				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent activity on the landside slope.

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 2020 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	4/7/2020 - 4/7/2020			
DWR Inspector	Zach Jojola			
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 2020

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	04/07/2020 04/07/2020	Zach Jojola

LM Start	**0.07**	Rating **	A	Issue No.	**1**
LM End	**0.07**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.596463 °	38.596463 °
				-121.576904 °	-121.576904 °
DWR ID	DWR_RD0537_02_s _ 2020_1				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

LMA maintains the vegetation at a high level.

Photo 1 of 1 : SP_2020_RD0537_174_1_20200409_00001.jpg

View of vegetation on the landside slope. Spring 2020.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement