

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

Sacramento River Basin

RD0369	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0369 Libby McNeil	U	0.78						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.03		0.03	3.86%	0.04	0.03		
Trim / Thin Trees		0.01	0.04	5.15%				
Encroachments	0.04		0.04	5.15%	0.04	0.10		
Animal Control		0.01	0.04	5.15%				
Slope Stability	0.02		0.02	2.58%				
Emergency Supplies & Equipment	0.01		0.01	1.29%				
Flood Preparedness & Training	0.01		0.01	1.29%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.02		
<i>LMA Totals:</i>	0.11	0.02	0.19	24.46%	0.12	0.15	0.00	0.00

Unit No. 01 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
RD0369	U	0.78						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.03		0.03	3.86%	0.04	0.03		
Trim / Thin Trees		0.01	0.04	5.15%				
Encroachments	0.04		0.04	5.15%	0.04	0.10		
Animal Control		0.01	0.04	5.15%				
Slope Stability	0.02		0.02	2.58%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.02		
<i>Unit Totals:</i>	0.09	0.02	0.17	21.88%	0.12	0.15	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet**

Reclamation District No. 0369 Libby McNeil

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

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

†

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Reclamation District No. 0369 Libby McNeil

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	0.78
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/25/2020 - 3/25/2020		10/19/2020 - 10/19/2020	
DWR Inspector	David Julian		David Julian	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

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

No Photos

LM Start		Rating **	A	Issue No.	27		
LM End		Issue Type +	Ma	Location *			
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD0369_01_f_2014_27						
Comment Code							
Inspector Comment							
RD 369 I have forwarded to the District Mr. Clarence Chu a copy of the O & M Manual for their record.							

No Photos

LM Start		Rating **	M	Issue No.	28	
LM End		Issue Type +	Ma	Location *		
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_RD0369_01_f _ 2014_28					
Comment Code						
Inspector Comment						
RD 369 have no emergency supplies on hand.						

No Photos

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.03	Rating **	C	Issue No.	16
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.258497 °	38.258188 °
				-121.517403 °	-121.516937 °
DWR ID	DWR_RD0369_01_f_2018_16				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.05	Rating **	M	Issue No.	31
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.258347 °	38.258347 °
				-121.517169 °	-121.517169 °
DWR ID	18970				
Comment Code					
Inspector Comment					
DS_ID:18970 FS_ID:60724 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/09/2020 Record remains Non-Urgent. Crossing appears abandoned. Tree branches have grown through abandoned hole in retaining wall plugging it completely. Unable to find pipe on waterside. Unauthorized encroachment recorded in Levee Log prior to 2011. (O.Yakimov - DWR UCIP) 03/04/2015 Pipe appears abandoned and is filled with soil. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 8-inch steel gravity drainage pipe through the levee, 8 feet below the crown. Hole in the concrete retaining wall on the landside (LS) slope, measures 10 inches in diameter. (6-inch pipe [HLM 0.06] authorized under Automatic Board Order (ABO) issued as Permit No. 8555, 1973 - Jordan Investment Co. c/o Walter E. Herman). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.05), listed as 8-inch pipe]. FS Date: 6/9/2020 8:37:50 AM					

Photo 1 of 3 : UCIP_FA_2020_60724_88049.jpg



Top of Levee: View of levee crown looking towards landside

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.05	Rating **	M	Issue No.	31 (cont)
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.258347 °	38.258347 °	
			-121.517169 °	-121.517169 °	
DWR ID	18970				

Photo 2 of 3 : UCIP_FA_2020_60724_88050.jpg



Water-Side: View of levee slope looking from crown. No pipe found on waterside

LM Start	0.05	Rating **	M	Issue No.	31 (cont)
LM End	0.05	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_60724_88048.jpg



Land-Side: View of retaining wall on landside. Tree branches are plugging this hole completely

LM Start	0.07	Rating **	M	Issue No.	20
LM End	0.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.258223 °	38.257943 °
				-121.516918 °	-121.516490 °
DWR ID	DWR_RD0369_01_f_2019_20				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.09	Rating **	U	Issue No.	32
LM End	0.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.257953 °	38.257953 °
				-121.516613 °	-121.516613 °
DWR ID	25084				
Comment Code					
Inspector Comment					
DS_ID:25084 FS_ID:60725 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 06/09/2020 Record remains Urgent. Through holes in pipe on landside slope. Crossing appears abandoned. No pipe found on waterside. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 07/12/2018 Pipe shows more signs of corrosion. Unable to find pipe on WS. (O.Yakimov-DWR UCIP)06/01/2016 Same as last inspection. (K. Fazel - UCIP)03/04/2015 Severe corrosion and holes visible in pipe on LS shoulder. Pipe appears abandoned and should be done so properly. (W. Wyle - FPIIB) FIELD_STRUCT_DESC: 4-inch steel pipe of an unknown purpose through the levee, 1 foot below the crown. Pipe visible on the landside (LS) slope just in front of the gate on the LS shoulder. (4-inch pipe [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 8555, 1973 - Jordan Investment Co. c/o Walter E. Herman). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.08). USACE Sacramento O&M Manual, Unit 111, May 1959, Revised 29 December 2016, (RM 27.87 - O&M Manual misidentifies this location as RM 28.87), listed as 4-inch pipe. USACE As-Built Drawing No. 06-13-1100, Sheet 15, upstream of 'L' 1663+96, January 1933]. FS Date: 6/9/2020 9:26:37 AM					

Photo 1 of 3 : UCIP_FA_2020_60725_88053.jpg



Top of Levee: View of levee crown looking towards waterside

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.09	Rating **	U	Issue No.	32 (cont)
LM End	0.09	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.257953 °	38.257953 °	
			-121.516613 °	-121.516613 °	
DWR ID	25084				

Photo 2 of 3 : UCIP_FA_2020_60725_88054.jpg



Water-Side: View of levee slope looking from crown

LM Start	0.09	Rating **	U	Issue No.	32 (cont)
LM End	0.09	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_60725_88051.jpg



Land-Side: View of levee slope looking from toe

LM Start	0.10	Rating **	M	Issue No.	4
LM End	0.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257819 °	38.257819 °
				-121.516427 °	-121.516427 °
DWR ID	DWR_RD0369_01_s_2012_4				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping on landside shoulder needs to be maintained.					

No Photos

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.11	Rating **	M	Issue No.	9
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.257757 °	38.257757 °
				-121.516347 °	-121.516347 °
DWR ID	DWR_RD0369_01_s_2020_9				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD0369_207_9_20201009_00003.jpg



View of footpath down the waterside slope (Spring 2020).

LM Start	0.11	Rating **	M	Issue No.	13
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257772 °	38.257573 °
				-121.516248 °	-121.516190 °
DWR ID	DWR_RD0369_01_f _ 2019_13				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove ivy.					

No Photos

LM Start	0.13	Rating **	M	Issue No.	21
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.257673 °	38.257673 °
				-121.516052 °	-121.516052 °
DWR ID	DWR_RD0369_01_f_2018_21				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limb from the landside slope.					

Photo 1 of 1 : FA_2020_RD0369_207_21_20201009_00010.jpg



View of tree limb on the landside slope (November 2018).

*** 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

Reclamation District No. 0369 Libby McNeil

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.20	Rating **	U	Issue No.	12
LM End	0.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.256953 °	38.256953 °
				-121.515067 °	-121.515067 °
DWR ID	DWR_RD0369_01_f_2019_12				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD0369_207_12_20201009_00006.jpg



View of down tree on the landside slope (Spring 2020).

LM Start	0.27	Rating **	C	Issue No.	17
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.256133 °	38.256133 °
				-121.514162 °	-121.514162 °
DWR ID	DWR_RD0369_01_f _ 2018_17				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove some tree branches to allow better visibility and access.					

No Photos

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.35	Rating **	U	Issue No.	33
LM End	0.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.255250 °	38.255250 °
				-121.513210 °	-121.513210 °
DWR ID	18972				

Comment Code

Inspector Comment

DS_ID:18972
FS_ID:60752
EP_NO: 11117
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 06/10/2020 Record updated from Non-Urgent to Urgent. Hole in pipe on waterside slope above pump. Pipe is running - leak through the hole poses a threat to waterside levee slope. 6-inch pipe installed on landside slope right after siphon breaker. Levee slope was disturbed at this location. 6-inch pipe is running down diagonally on landside slope towards PVC pipe connection at the toe. Unable to find a permit for modification. No permit has been identified authorizing pipe through the levee. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
10/15/2012 Siphon breaker on LS slope needs protection. Water is leaking from pump station. Abandoned concrete structure found on WS. 10-inch abandoned pipe found on WS. Should be removed. 6-inch abandoned pipe found on WS. Should be removed.
FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.5 feet below the crown. Pump and gate valve on the waterside (WS) shoulder. Siphon breaker on the landside (LS) slope. Electric meter, panel at landside toe, 1.5-inch electrical conduit at same location. Abandoned concrete standpipe at landside levee toe. (10-inch pipe [HLM 0.36] authorized under Automatic Board Order (ABO) issued as Permit No. 11117, 1975 - Erma E. Locke et al). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.36). USACE Sacramento O&M Manual, Unit 111, May 1959, Revised 29 December 2016, (RM 27.63), listed as 10-inch pipe. USACE As-Built Drawing No. 50-04-2983, Sheets 2 and 3, Station 5+83, March 1954. USACE As-Built Drawing No. 06-13-1100, Sheet 15, downstream of 'L' 1671+00, January 1933].
FS Date: 6/10/2020 10:27:02 AM

Photo 1 of 3 : UCIP_FA_2020_60752_88063.jpg



Top of Levee: View of levee crown looking towards landside

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.35	Rating **	U	Issue No.	33 (cont)
LM End	0.35	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.255250 °	38.255250 °	
			-121.513210 °	-121.513210 °	
DWR ID	18972				

Photo 2 of 3 : UCIP_FA_2020_60752_88064.jpg



Water-Side: View of levee slope looking from crown

LM Start	0.35	Rating **	U	Issue No.	33 (cont)
LM End	0.35	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_60752_88065.jpg



Water-Side: Pipe leak on levee slope above pump

LM Start	0.35	Rating **	M	Issue No.	11
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.255250 °	38.255250 °
				-121.513207 °	-121.513207 °
DWR ID	DWR_RD0369_01_s_2019_11				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limbs from the landside slope.					

Photo 1 of 1 : FA_2020_RD0369_207_11_20201009_00005.jpg



View of fallen limbs on the landside slope (Spring 2019).

* 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 - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.40	Rating **	U	Issue No.	2
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.254530 °	38.254530 °
				-121.512930 °	-121.512930 °
DWR ID	DWR_RD0369_01_s_2020_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large animal burrow into the wateride toe that is sometimes submerged.					

Photo 1 of 1 : FA_2020_RD0369_207_2_20201009_00001.jpg



View from the channel at animal hole burrowed into the waterside toe (Summer 2020).

LM Start	0.49	Rating **	M	Issue No.	34	
LM End	0.49	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.253640 °		38.253640 °
				-121.511836 °		-121.511836 °
DWR ID	18980					
Comment Code						
Inspector Comment						
DS_ID:18980 FS_ID:60764 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 06/10/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. 6-inch pipe debris found on waterside slope downstream of this crossing. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 6-inch irrigation discharge pipe of an unknown material through the levee, at an unknown depth. Pump and gate valve on the waterside (WS). Additional Reference(s): USACE Sacramento O&M Manual, Unit 111, May 1959, Revised 29 December 2016, (RM 27.51), listed as 6-inch pipe. USACE As-Built Drawing No. 06-13-1100, Sheet 15, upstream of 'L' 1686+35, January 1933]. FS Date: 6/10/2020 10:57:57 AM						

Photo 1 of 3 : UCIP_FA_2020_60764_88076.jpg



Enter photo 1 description or comment here.

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.49	Rating **	M	Issue No.	34 (cont)
LM End	0.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.253640 °	38.253640 °	
			-121.511836 °	-121.511836 °	
DWR ID	18980				

Photo 2 of 3 : UCIP_FA_2020_60764_88077.jpg



Enter photo 2 description or comment here.

LM Start	0.49	Rating **	M	Issue No.	34 (cont)
LM End	0.49	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_60764_88078.jpg



Enter photo 3 description or comment here.

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.50	Rating **	M	Issue No.	35
LM End	0.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.253468 °	38.253468 °
				-121.511654 °	-121.511654 °
DWR ID	18981				

Comment Code

Inspector Comment

DS_ID:18981
FS_ID:60775
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment
Crossing Status: Not Found
UCIP Comments: 06/10/2020 Record remains Non-Urgent. Crossing not found. Field measured 6-inch pipe debris on waterside slope parallel to levee crown might be coming from not found pipe DSID 18980 just upstream of this site. No evidence of pipe found on landside. No permit has been found authorizing this pipe through the levee at this location. (O.Yakimov - DWR UCIP)
03/04/2015 Found abandoned pipe laying on WS levee slope. Pipe purpose and status should be determined. further investigation required. (W.Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 8-inch steel pipe of an unknown purpose running parallel to the levee crown on the waterside (WS) slope, 4.5 feet below the crown. This pipe was field discovered.
FS Date: 6/10/2020 11:11:31 AM

LM Start	0.50	Rating **	M	Issue No.	35 (cont)
LM End	0.50	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2020_60775_88087.jpg



Top of Levee: View of levee crown looking towards landside

Photo 2 of 3 : UCIP_FA_2020_60775_88088.jpg



Land-Side: View of levee slope looking from crown

* 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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Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.50	Rating **	M	Issue No.	35 (cont)
LM End	0.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.253468 °	38.253468 °
				-121.511654 °	-121.511654 °
DWR ID	18981				

LM Start	0.52	Rating **	M	Issue No.	19					
LM End	0.52	Issue Type +	Ma	Location *	LS					
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Encroachments			38.253273 °	38.253273 °					
				-121.511505 °	-121.511505 °					
DWR ID	DWR_RD0369_01_f _ 2018_19									
Comment Code										
TR : Tree or limb										
Inspector Comment										
Remove tree limb from the landside slope.										

LM Start	0.57	Rating **	U	Issue No.	25					
LM End	0.60	Issue Type +	En	Location *	WS					
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Encroachments			38.252662 °	38.252247 °					
				-121.511138 °	-121.510922 °					
DWR ID	DWR_RD0369_01_s _ 2019_25									
Comment Code										
FE : Fence										
Inspector Comment										
A chainlink fence is located on the waterside slope.										

A photograph showing a gravel driveway or road leading towards a house in the distance. The right side of the driveway is bordered by a dense line of trees and a fence. A date stamp '03/15/2019' is visible in the bottom right corner.

View looking downstream at chainlink fence on the waterside slope (Spring 2019).

* 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 - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.57	Rating **	U	Issue No.	26
LM End	0.60	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.252662 °	38.252247 °
				-121.511138 °	-121.510922 °
DWR ID	DWR_RD0369_01_s_2019_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Vegetation on chainlink fence is blocking view down waterside slope.					

Photo 1 of 1 : FA_2020_RD0369_207_26_20201019_00034.jpg



View of thick vegetation on the waterside shoulder and slope (Fall 2020).

LM Start	0.58	Rating **	M	Issue No.	14
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.252494 °	38.252494 °
				-121.510961 °	-121.510961 °
DWR ID	DWR_RD0369_01_s_2018_14				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree and branches should be removed from landside toe.					

Photo 1 of 1 : FA_2020_RD0369_207_14_20201009_00007.jpg



Remove fallen tree and branches from landside toe.

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.61	Rating **	M	Issue No.	36
LM End	0.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.252176 °	38.252176 °
				-121.510833 °	-121.510833 °
DWR ID	18977				

Comment Code

Inspector Comment

DS_ID:18977
 FS_ID:60848
 EP_NO: 14313
 Repair Type: Non-Urgent
 EVAL Issue: Limited Inspection/No UCIP Evaluation
 Crossing Status: Indicator Found
 UCIP Comments: 06/10/2020 Record updated from Urgent to Non-Urgent. Unable to evaluate landside levee slope condition due to thick layer of leaves on levee slope. No septic smell or wet spot on landside detected. Unable to access waterside since it's gated. (O.Yakimov - DWR UCIP)
 07/12/2018 Pipe is covered by thick layer of dry debris on LS. Patch repair along pipe alignment is visible on levee crown. (O.Yakimov-DWR UCIP)06/01/2016 Could not locate pipe. Likely buried next to leach box. Could not find signs of leaking or presence of water or erosion. Pipe may still be leaking but buried. (K. Fazel - UCIP)03/04/2015 Septic line appears to be leaking at LS toe. Erosion of soil and wet soil visible at LS toe. No septic smell accompanied other evidence at site. (W. Wylie - FPIIB)
 FIELD_STRUCT_DESC: 2-inch galvanized steel sewer line through the levee, 1 foot below the crown. Metal cutoff wall placed around the pipe near the centerline of the levee. Sewer line runs through the property of the district president, Clarence Chu, at ckchu52@comcast.net, (916) 776-1684, and (916) 813-7037. (2-inch sewer line authorized under Permit No. 14313, 1986 - Frank and Jeanie Schmiedel). (Construction of a 59-covered-berth addition to an existing boat dock, extending approximately 60 feet into the Sacramento River, authorized under Permit No. 13783, 1984 - Frank and Genie Schmiedel, mentions the leach line for the septic system).
 FS Date: 6/10/2020 1:26:22 PM

Photo 1 of 3 : UCIP_FA_2020_60848_88154.jpg



Top of Levee: View of levee crown looking towards landside

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.61	Rating **	M	Issue No.	36 (cont)
LM End	0.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.252176 °	38.252176 °	
			-121.510833 °	-121.510833 °	
DWR ID	18977				

Photo 2 of 3 : UCIP_FA_2020_60848_88156.jpg



Water-Side: View of waterside standing on crown

LM Start	0.61	Rating **	M	Issue No.	36 (cont)
LM End	0.61	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_60848_88155.jpg



Land-Side: View of levee slope looking from toe

LM Start	0.61	Rating **	M	Issue No.	24
LM End	0.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.252035 °	38.252035 °
				-121.510712 °	-121.510712 °
DWR ID	DWR_RD0369_01_f_2020_24				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings at the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/19/2020 10/19/2020	David Julian

LM Start	0.62	Rating **	U	Issue No.	29
LM End	0.67	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.251982 °	38.251267 °
				-121.510853 °	-121.510480 °
DWR ID	DWR_RD0369_01_s_2019_29				
Comment Code					
FE : Fence					
Inspector Comment					
A fence is blocking the view of the waterside slope.					

Photo 1 of 1 : FA_2020_RD0369_207_29_20201009_00014.jpg



View of fence on the waterside shoulder (Spring 2019).

LM Start	0.66	Rating **	U	Issue No.	15
LM End	0.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.251403 °	38.251403 °
				-121.510532 °	-121.510532 °
DWR ID	DWR_RD0369_01_s_2012_15				
Comment Code					
FE : Fence					
Inspector Comment					
A tall, white, solid fence is blocking the view of the landside levee slope.					

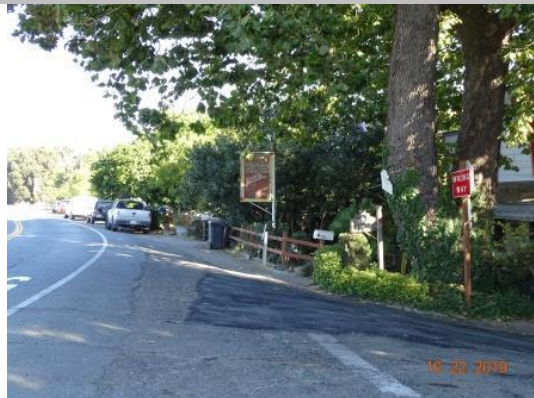
Photo 1 of 1 : FA_2020_RD0369_207_15_20201019_00035.jpg



View of white fence on the landside shoulder (Fall 2020).

LM Start	0.74	Rating **	M	Issue No.	8
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250340 °	38.249930 °
				-121.510135 °	-121.509880 °
DWR ID	DWR_RD0369_01_s_2017_8				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping needs to be thinned and maintained to allow inspection and access to landside slope and toe.					

Photo 1 of 1 : FA_2020_RD0369_207_8_20201009_00002.jpg



View looking upstream at landscaping on the landside slope (Fall 2019).

* 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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