

## Flood Control Project Maintenance Levee Inspections

### Fall 2021 Levee Maintenance Deficiency Summary Report

#### Sacramento River Basin

<b>RD0369</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0369 Libby McNeil</b>	<b>U</b>	<b>0.78</b>						
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	0.07		0.07	9.01%	0.10	0.04		
Trim / Thin Trees	0.02	0.02	0.10	12.87%				
Encroachments	0.06		0.06	7.72%	0.03	0.09		
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>	0.19	0.03	0.31	39.91%	0.17	0.15	0.00	0.00

<b>Unit No. 01 Sacramento River LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0369</b>	<b>U</b>	<b>0.78</b>						
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	0.07		0.07	9.01%	0.10	0.04		
Trim / Thin Trees	0.02	0.02	0.10	12.87%				
Encroachments	0.06		0.06	7.72%	0.03	0.09		
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>	0.17	0.03	0.29	37.33%	0.17	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	4/8/2021 - 4/8/2021		9/30/2021 - 9/30/2021	
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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.03	Rating **	U	Issue No.	24
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.258599 °	38.258599 °
				-121.517315 °	-121.517315 °
DWR ID	DWR_RD0369_01_s_2021_24				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_24\_20210830\_00013.jpg



View of thick tree on the landside slope (Spring 2021).

LM Start	0.04	Rating **	M	Issue No.	17
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.258386 °	38.258386 °
				-121.517269 °	-121.517269 °
DWR ID	DWR_RD0369_01_f_2021_17				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.05	Rating **	M	Issue No.	33
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					

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>0.05</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_60724\_88049.jpg



Top of Levee: View of levee crown looking towards landside

Photo 2 of 3 : UCIP\_FA\_2021\_60724\_88050.jpg



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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>0.05</b>	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 3 of 3 : UCIP\_FA\_2021\_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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.09	Rating **	U	Issue No.	34
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

LM Start	<b>0.09</b>	Rating **	U	Issue No.	<b>34 (cont)</b>
LM End	<b>0.09</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_60725\_88053.jpg



Top of Levee: View of levee crown looking towards waterside

Photo 2 of 3 : UCIP\_FA\_2021\_60725\_88054.jpg



Water-Side: View of levee slope looking from crown

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	<b>0.09</b>	Rating **	U	Issue No.	<b>34 (cont)</b>
LM End	<b>0.09</b>	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 3 of 3 : UCIP\_FA\_2021\_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

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\_2021\_RD0369\_207\_9\_20210830\_00003.jpg



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

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.11	Rating **	M	Issue No.	13
LM End	0.13	Issue Type +	En	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					
V6 : Landscaping					
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\_2021\_RD0369\_207\_21\_20210830\_00011.jpg



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

LM Start	0.15	Rating **	U	Issue No.	23
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.257368 °	38.257368 °
				-121.515752 °	-121.515752 °
DWR ID	DWR_RD0369_01_s_2020_23				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_23\_20210830\_00012.jpg



View of thick tree branches on the waterside slope (Fall 2020).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.17	Rating **	U	Issue No.	32
LM End	0.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257197 °	38.257197 °
				-121.515403 °	-121.515403 °
DWR ID	DWR_RD0369_01_f_2021_32				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus on the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_32\_20211001\_00037.jpg



View of cactus on the landside slope (Fall 2021).

LM Start	0.18	Rating **	M	Issue No.	10
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.257137 °	38.257137 °
				-121.515407 °	-121.515407 °
DWR ID	DWR_RD0369_01_f_2019_10				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Large path created by fishermen. Levee is extra wide in this section.					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_10\_20210830\_00004.jpg



View looking slightly upstream erosion due to foot traffic on the waterside slope (Fall 2019).

LM Start	0.19	Rating **	M	Issue No.	12
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.257024 °	38.257024 °
				-121.515175 °	-121.515175 °
DWR ID	DWR_RD0369_01_f_2021_12				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove remnants of chopped up tree.					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_12\_20211001\_00036.jpg



View of chopped up tree on the landside slope (Fall 2021).

\* 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.35	Rating **	U	Issue No.	35
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\_2021\_60752\_88063.jpg



Top of Levee: View of levee crown looking towards landside

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	<b>0.35</b>	Rating **	U	Issue No.	<b>35 (cont)</b>
LM End	<b>0.35</b>	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\_2021\_60752\_88064.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>0.35</b>	Rating **	U	Issue No.	<b>35 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_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\_2021\_RD0369\_207\_11\_20210830\_00005.jpg



View of fallen limbs on the landside 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	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\_2021\_RD0369\_207\_2\_20210830\_00001.jpg



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

LM Start	0.43	Rating **	M	Issue No.	30
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254284 °	38.253530 °
				-121.512385 °	-121.511768 °
DWR ID	DWR_RD0369_01_f_2021_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.49	Rating **	M	Issue No.	36
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

LM Start	<b>0.49</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>0.49</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_60764\_88076.jpg



Enter photo 1 description or comment here.

Photo 2 of 3 : UCIP\_FA\_2021\_60764\_88077.jpg



Enter photo 2 description or comment here.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.49	Rating **	M	Issue No.	36 (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 3 of 3 : UCIP\_FA\_2021\_60764\_88078.jpg



Enter photo 3 description or comment here.

LM Start	0.50	Rating **	M	Issue No.	37
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

Photo 1 of 3 : UCIP\_FA\_2021\_60775\_88087.jpg



Top of Levee: View of levee crown looking towards landside

* 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>0.50</b>	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				

Photo 2 of 3 : UCIP\_FA\_2021\_60775\_88088.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_60775\_88086.jpg



Water-Side: View of levee slope looking from crown

LM Start	0.51	Rating **	M	Issue No.	18
LM End	0.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.253359 °	38.253359 °
				-121.511628 °	-121.511628 °
DWR ID	DWR_RD0369_01_s_2021_18				
Comment Code					
GA : Garbage					
Inspector Comment					
Remove discarded furniture from waterside slope.					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_18\_20210830\_00009.jpg



View of discarded metal furniture on the waterside hinge (Spring 2021).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

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.					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_19\_20210830\_00010.jpg



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

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.					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_25\_20210830\_00014.jpg



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

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\_2021\_RD0369\_207\_26\_20210830\_00015.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

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\_2021\_RD0369\_207\_14\_20210830\_00007.jpg



Remove fallen tree and branches from landside toe.

LM Start	0.59	Rating **	M	Issue No.	31
LM End	0.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.252414 °	38.252414 °
				-121.510931 °	-121.510931 °
DWR ID	DWR_RD0369_01_f_2021_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0369\_207\_31\_20211001\_00035.jpg



View of tree needing trimming on the landside slope (Fall 2021).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	0.61	Rating **	M	Issue No.	38
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\_2021\_60848\_88154.jpg



Top of Levee: View of levee crown looking towards landside

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

LM Start	<b>0.61</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>0.61</b>	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\_2021\_60848\_88156.jpg



Water-Side: View of waterside standing on crown

LM Start	<b>0.61</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>0.61</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_60848\_88155.jpg



Land-Side: View of levee slope looking from toe

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\_2021\_RD0369\_207\_29\_20210830\_00016.jpg



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

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	09/30/2021 09/30/2021	David Julian

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.					

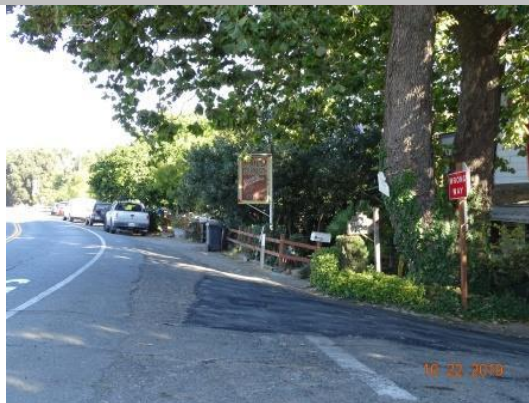
Photo 1 of 1 : FA\_2021\_RD0369\_207\_15\_20210830\_00008.jpg



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

LM Start	0.70	Rating **	M	Issue No.	8
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250904 °	38.249930 °
				-121.510223 °	-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\_2021\_RD0369\_207\_8\_20210830\_00002.jpg



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

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