

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2017 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

***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	0.48		0.48	61.79%	0.02	0.02		
Encroachments	0.01		0.01	1.29%	0.01	0.01		
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>	0.51	0.00	0.51	65.65%	0.07	0.05	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	0.48		0.48	61.79%	0.02	0.02		
Encroachments	0.01		0.01	1.29%	0.01	0.01		
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.02		
<i>Unit Totals:</i>	0.49	0.00	0.49	63.08%	0.07	0.05	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2017 Levee Inspection Results**

**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**

**Fall 2017 Levee Inspection Results**

**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)			<b>U</b>	
Date of Inspection	4/4/2017 - 4/4/2017		10/3/2017 - 10/3/2017	
DWR Inspector	Herman Phillips		Keith Millard	
Accompanied By	Clarence Chu RD 369		Clarence Chu RD 369	

**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 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

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 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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## Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.04	Rating **	M	Issue No.	29	
LM End	0.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.258434 °	38.258434 °	
				-121.517283 °	-121.517283 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50105 DS_ID:18971 EP_NO: 8555 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2015 Pipe corroded through on LS at retaining wall. May not go all the way through the levee. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 4-inch steel pipe through the levee with an unknown purpose, 4 feet below the crown. Pipe visible on the landside (LS) at a retaining wall (Automatic Board Order (ABO) issued as Permit No. 8555, 1973 - Jordan Investment Co.). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 111, May 1959 (RM 28.87)]. FS Date: 3/4/2015 4:11:00 PM						

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>0.04</b>	Issue Type +	En	Location *	

Pipe visible on retaining wall at LS toe.

Pipe visible on retaining wall at LS toe.

* 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 - Fall 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.04	Rating **	M	Issue No.	29 (cont)	
LM End	0.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.258434 °	38.258434 °	
				-121.517283 °	-121.517283 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50105 DS_ID:18971 EP_NO: 8555 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2015 Pipe corroded through on LS at retaining wall. May not go all the way through the levee. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 4-inch steel pipe through the levee with an unknown purpose, 4 feet below the crown. Pipe visible on the landside (LS) at a retaining wall (Automatic Board Order (ABO) issued as Permit No. 8555, 1973 - Jordan Investment Co.). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 111, May 1959 (RM 28.87)]. FS Date: 3/4/2015 4:11:00 PM						

Photo 3 of 3 : UCIP\_FA\_2017\_50105\_73163.jpg



View of WS. Pipe not found on WS.

LM Start	0.05	Rating **	M	Issue No.	30
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					
Comment Code					
Inspector Comment					
FS_ID:43811 DS_ID:18970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/04/2015 Pipe appears abandoned and is filled with soil. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel drainage pipe through the levee, 8 feet below the crown. Hole in concrete retaining wall on the landside (LS) slope measures 10 inches in diameter. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 3/4/2015 4:41:00 PM					

Photo 1 of 3 : UCIP\_FA\_2017\_43811\_73162.jpg



10-inch hole in concrete retaining wall likely for this pipe. Visible on LS toe. Portion of pipe visible.

<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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**Levee Inspection Report By Mile - Fall 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.05	Rating **	M	Issue No.	30 (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						
Comment Code						
Inspector Comment						
FS_ID:43811						
DS_ID:18970						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 03/04/2015 Pipe appears abandoned and is filled with soil. Appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel drainage pipe through the levee, 8 feet below the crown. Hole in concrete retaining wall on the landside (LS) slope measures 10 inches in diameter.						
[Additional Reference(s): DWR Levee Log, 2002].						
FS Date: 3/4/2015 4:41:00 PM						

Photo 2 of 3 : UCIP\_FA\_2017\_43811\_73161.jpg



10-inch hole in concrete retaining wall likely for this pipe. Visible on LS toe.

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>0.05</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2017\_43811\_73160.jpg



View of WS. No pipe found.

<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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## Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	<b>0.09</b>	Rating **	U	Issue No.	<b>31 (cont)</b>
LM End	<b>0.09</b>	Issue Type +	En	Location *	

A photograph of a grassy field with a red car parked in the background under trees. A date stamp '03/04/2015 10:01' is visible in the bottom right corner.

A photograph of a residential street scene. In the foreground, there is a paved road with a white line and a yellow curb. A chain-link fence runs across the middle ground, with trees and houses visible behind it. The date and time '03/04/2015 10:04' are printed in orange in the bottom right corner.

Pipe visible at gate on LS shoulder.

* 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



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**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.09	Rating **	U	Issue No.	31 (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						
Comment Code						
Inspector Comment						
FS_ID:50158 DS_ID:25084 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 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: *ABANDONED* 4-inch steel pipe of unknown purpose through the levee, of an unknown purpose, 1 foot below the crown. Pipe is visible on the landside (LS) slope just in front of the gate on the LS shoulder. [Additional Reference(s): USACE Sacramento O&M Manual 111, May 1959 (RM 27.87)]. FS Date: 6/1/2016						

Photo 3 of 3 : UCIP\_FA\_2017\_50158\_73333.jpg



LS slope: severe corrosion and holes in pipe at upper end of pipe (near crown).

LM Start	0.10	Rating **	M	Issue No.	4
LM End	0.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257865 °	38.257695 °
				-121.516455 °	-121.516237 °
DWR ID	DWR_RD0369_01_s_2012_4				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The landscaping on the landside shoulder need to be maintained.					

No Photos

<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 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.16	Rating **	M	Issue No.	10
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257292 °	38.256660 °
				-121.515690 °	-121.514710 °
DWR ID	DWR_RD0369_01_s_2017_10				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Spray or mow the weeds along the landside levee slope.					

Photo 1 of 1 : FA\_2017\_RD0369\_207\_10\_20171002\_00004.jpg



Looking downstream from the landside shoulder.

LM Start	0.16	Rating **	M	Issue No.	9
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257292 °	38.252597 °
				-121.515690 °	-121.511130 °
DWR ID	DWR_RD0369_01_s_2017_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Spray the weed growth along the waterside levee slope.					

Photo 1 of 1 : FA\_2017\_RD0369\_207\_9\_20171002\_00003.jpg



Looking downstream from the waterside shoulder.

LM Start	0.16	Rating **	U	Issue No.	11
LM End	0.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.257346 °	38.257346 °
				-121.515523 °	-121.515523 °
DWR ID	DWR_RD0369_01_f_2017_11				
Comment Code					
DE : Debris					
Inspector Comment					
Remove irrigation pipes, broken concrete and woody debris from land side slope and toe south of driveway to allow visibility and access.					

Photo 1 of 1 : FA\_2017\_RD0369\_207\_11\_20171003\_00024.jpg



10/03/2017: Irrigation pipes, lumber, woody debris and broken concrete should be removed from land side slope and toe.

<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 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.28	Rating **	A/W	Issue No.	13
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.256087 °	38.255438 °
				-121.514068 °	-121.513362 °
DWR ID	DWR_RD0369_01_f_2016_13				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out the tree growth along the landside slope.					

Photo 1 of 1 : FA\_2017\_RD0369\_207\_13\_20171003\_00023.jpg



10/03/2017: Vines and low branches and heavy weed growth have been removed. Visibility and access are improved.

LM Start	0.35	Rating **	M	Issue No.	32
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					
Comment Code					
Inspector Comment					
FS_ID:43814 DS_ID:18972 EP_NO: 11117 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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: *ABANDONED* 10-inch steel irrigation 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. 6-inch abandoned pipe also found on WS. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 111, May 1959 (RM 27.63)]. FS Date: 10/15/2012 4:11:00 PM					

Photo 1 of 3 : UCIP\_FA\_2017\_43814\_10460.jpg



Waterside view: overview of pipe & pump and abandoned concrete structure (left). Shutoff Valve.

<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 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>32 (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					

**Comment Code**

**Inspector Comment**

FS\_ID:43814  
DS\_ID:18972  
EP\_NO: 11117  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 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: \*ABANDONED\* 10-inch steel irrigation 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. 6-inch abandoned pipe also found on WS. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 111, May 1959 (RM 27.63)].  
FS Date: 10/15/2012 4:11:00 PM

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2017\_43814\_10456.jpg



Waterside view: water leaking pump station.

Photo 3 of 3 : UCIP\_FA\_2017\_43814\_10459.jpg



Waterside view: overview of active pipe and two abandoned pipes.

<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 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.50	Rating **	M	Issue No.	33
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					
Comment Code					
Inspector Comment					
FS_ID:43815					
DS_ID:18981					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Found abandoned pipe laying on WS levee slope.					
Pipe purpose and status should be determined. further investigation required.					
FIELD_STRUCT_DESC: 8-inch steel pipe running parallel with levee crown on WS slope.					
FS Date: 3/4/2015					

Photo 1 of 2 : UCIP\_FA\_2017\_43815\_73301.jpg



Pipe visible on WS slope running parallel to crown.

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_FA\_2017\_43815\_73300.jpg



Pipe on WS slope running parallel to levee crown.

<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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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.53	Rating **	M	Issue No.	16
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.253095 °	38.253095 °
				-121.511387 °	-121.511387 °
DWR ID	DWR_RD0369_01_s_2016_16				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Cut up and remove the dead tree from the waterside slope. This tree was reported during spring inspection 2016.					

Photo 1 of 1 : FA\_2017\_RD0369\_207\_16\_20171002\_00005.jpg



RD 369 Levee mile 0.53 waterside levee slope.

LM Start	0.61	Rating **	U	Issue No.	34	
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						
Comment Code						
Inspector Comment						
FS_ID:50159 DS_ID:18977 EP_NO: 14313 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 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: 3 of 3: 2-inch galvanized steel sewer pipe through the levee, 1 foot below the crown. A metal cutoff placed around the pipe near the centerline of the levee. 4-foot by 6-foot concrete box at the landside (LS) toe. Pipe runs through the district president, Clarence Chu's property: ckchu52@comcast.net 916-776-1684, 916-813-7037. (Permit No. 14313, 1986 - Schmiedel) (Additional Related Permit(s): Permit No. 13783, 1988 - Schmiedel, mentions the leach line for septic system). FS Date: 3/4/2015 4:48:00 PM						

Photo 1 of 3 : UCIP\_FA\_2017\_50159\_73166.jpg

View at crossing through crown on LS shoulder from WS shoulder.  
Evidence of trench visible at cut in pavement.

<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 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.61	Rating **	U	Issue No.	34 (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						
Comment Code						
Inspector Comment						
FS_ID:50159 DS_ID:18977 EP_NO: 14313 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 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: 3 of 3: 2-inch galvanized steel sewer pipe through the levee, 1 foot below the crown. A metal cutoff placed around the pipe near the centerline of the levee. 4-foot by 6-foot concrete box at the landside (LS) toe. Pipe runs through the district president, Clarence Chu's property: ckchu52@comcast.net 916-776-1684, 916-813-7037. (Permit No. 14313, 1986 - Schmiedel) (Additional Related Permit(s): Permit No. 13783, 1988 - Schmiedel, mentions the leach line for septic system). FS Date: 3/4/2015 4:48:00 PM						

LM Start	<b>0.61</b>	Rating **	U	Issue No.	<b>34 (cont)</b>
LM End	<b>0.61</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2017\_50159\_73167.jpg



Waterside view. Unclear if there is a sewer cleanout or other evidence of pipe location on WS shoulder.

Photo 3 of 3 : UCIP\_FA\_2017\_50159\_73168.jpg



Septic line leaking at LS toe. Erosion of soil at toe visible.

<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 2017**

**Reclamation District No. 0369 Libby McNeil**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	10/03/2017 10/03/2017	Keith Millard

LM Start	0.69	Rating **	M	Issue No.	15
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.250988 °	38.250910 °
				-121.510355 °	-121.510228 °
DWR ID	DWR_RD0369_01_s_2012_15				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.75	Rating **	U	Issue No.	8
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250215 °	38.249930 °
				-121.509990 °	-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 2 : FA\_2017\_RD0369\_207\_8\_20171002\_00001.jpg



Looking upstream from levee mile 0.77 to levee mile 0.75 at the woody tree and vegetation on the landside slope.

LM Start	<b>0.75</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2017\_RD0369\_207\_8\_20171002\_00002.jpg



Looking upstream from levee mile 0.77 to levee mile 0.75 levee slope blocked by vegetation typical view of growth along this section.

<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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