

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2018 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)				

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 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)				
Date of Inspection	3/21/2018 - 3/21/2018			
DWR Inspector	Keith Millard			
Accompanied By	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 - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	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

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	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 of an unknown purpose through the levee, 4 feet below the crown. Pipe visible on the landside (LS) at a retaining wall. (Retention of a 6-inch pipe and a 4-inch pipe through the levee authorized under Automatic Board Order (ABO) issued as Permit No. 8555, 1973 - Jordon Investment Company, care of Walter E. Herman). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 111, May 1959, (RM 27.87), O&M Manual misidentifies this location as RM 28.87]. FS Date: 3/4/2015 4:11:00 PM					

Photo 1 of 3 : UCIP_SP_2018_50105_73165.jpg



Pipe visible on retaining wall at LS toe.

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

Photo 2 of 3 : UCIP_SP_2018_50105_73164.jpg



Pipe visible on retaining wall at LS toe.

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	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 of an unknown purpose through the levee, 4 feet below the crown. Pipe visible on the landside (LS) at a retaining wall. (Retention of a 6-inch pipe and a 4-inch pipe through the levee authorized under Automatic Board Order (ABO) issued as Permit No. 8555, 1973 - Jordon Investment Company, care of Walter E. Herman). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 111, May 1959, (RM 27.87), O&M Manual misidentifies this location as RM 28.87]. FS Date: 3/4/2015 4:11:00 PM						

Photo 3 of 3 : UCIP_SP_2018_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 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. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2015 4:41:00 PM					

Photo 1 of 3 : UCIP_SP_2018_43811_73162.jpg



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

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	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 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. [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 3/4/2015 4:41:00 PM						

Photo 2 of 3 : UCIP_SP_2018_43811_73161.jpg



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

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

Photo 3 of 3 : UCIP_SP_2018_43811_73160.jpg



View of WS. No pipe found.

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

LM Start	0.09	Rating **	U	Issue No.	31
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 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. [Additional Reference(s): USACE Sacramento O&M Manual 111, May 1959, (RM 27.87), O&M Manual misidentifies this location as RM 28.87]. FS Date: 6/1/2016					

Photo 1 of 3 : UCIP_SP_2018_50158_73331.jpg



Pipe visible on LS slope.

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

Photo 2 of 3 : UCIP_SP_2018_50158_73332.jpg



Pipe visible at gate on LS shoulder.

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	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 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. [Additional Reference(s): USACE Sacramento O&M Manual 111, May 1959, (RM 27.87), O&M Manual misidentifies this location as RM 28.87]. FS Date: 6/1/2016						

Photo 3 of 3 : UCIP_SP_2018_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	0.10	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 - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

LM Start	0.15	Rating **	M	Issue No.	12
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.257380 °	38.257380 °
				-121.515787 °	-121.515787 °
DWR ID	DWR_RD0369_01_s_2018_12				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Cut tree branches should be removed from waterside shoulder.					

Photo 1 of 1 : SP_2018_RD0369_207_12_20180322_00025.jpg



Remove tree branches from 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 2 : SP_2018_RD0369_207_11_20180305_00005.jpg



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

LM Start	0.16	Rating **	U	Issue No.	11 (cont)
LM End	0.16	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2018_RD0369_207_11_20180322_00026.jpg



Wood piles in landside easement.

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

LM Start	0.25	Rating **	M	Issue No.	9
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.256372 °	38.252597 °
				-121.514504 °	-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 slope to 20' from crown.					

Photo 1 of 1 : SP_2018_RD0369_207_9_20180305_00003.jpg



Looking downstream from the waterside shoulder.

LM Start	0.26	Rating **	A/W	Issue No.	13
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.256222 °	38.255659 °
				-121.514320 °	-121.513706 °
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 : SP_2018_RD0369_207_13_20180305_00006.jpg



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

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

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 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. 6-inch abandoned pipe also found on the WS. (Retention of a 10-inch pipe through the levee, 4.5 feet below the crown, and a pump in a pump house on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11117, 1975 - Erma E. Locke, et al.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 111, May 1959, (RM 27.63), referenced as invert elevation 3.8 feet below the crown].
FS Date: 10/15/2012 4:11:00 PM

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

Photo 1 of 3 : UCIP_SP_2018_43814_10460.jpg



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

Photo 2 of 3 : UCIP_SP_2018_43814_10456.jpg



Waterside view: water leaking pump station.

* 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 - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

LM Start	0.35	Rating **	M	Issue No.	32 (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						
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 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. 6-inch abandoned pipe also found on the WS. (Retention of a 10-inch pipe through the levee, 4.5 feet below the crown, and a pump in a pump house on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11117, 1975 - Erma E. Locke, et al.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 111, May 1959, (RM 27.63), referenced as invert elevation 3.8 feet below the crown]. FS Date: 10/15/2012 4:11:00 PM						

Photo 3 of 3 : UCIP_SP_2018_43814_10459.jpg



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

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	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 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: 3/4/2015					

Photo 1 of 2 : UCIP_SP_2018_43815_73301.jpg



Pipe visible on WS slope running parallel to crown.

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

Photo 2 of 2 : UCIP_SP_2018_43815_73300.jpg



Pipe on WS slope running parallel to leveel crown.

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

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

LM Start	0.53	Rating **	C	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.					

No Photos

LM Start	0.54	Rating **	M	Issue No.	10
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.252985 °	38.252985 °
				-121.511346 °	-121.511346 °
DWR ID	DWR_RD0369_01_s_2018_10				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove cut tree limb from waterside shoulder.					

No Photos

LM Start	0.58	Rating **	M	Issue No.	14
LM End	0.58	Issue Type +	En	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 : SP_2018_RD0369_207_14_20180323_00027.jpg



Remove fallen tree and brabches 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

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 line through the levee, 1 foot below the crown. Metal cutoff wall placed around the pipe near the centerline of the levee. 4-foot by 6-foot concrete box at the landside (LS) toe. Sewer line runs through the property of the district president, Clarence Chu, at ckchu52@comcast.net, (916) 776-1684, and (916) 813-7037. (Plans to install three utility pipes through the levee authorized under Permit No. 14313, 1986 - Frank and Genie Schmiedel. Plans to construct 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: 3/4/2015 4:48:00 PM

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

Photo 1 of 3 : UCIP_SP_2018_50159_73166.jpg



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

Photo 2 of 3 : UCIP_SP_2018_50159_73167.jpg



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

* 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 - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	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 line through the levee, 1 foot below the crown. Metal cutoff wall placed around the pipe near the centerline of the levee. 4-foot by 6-foot concrete box at the landside (LS) toe. Sewer line runs through the property of the district president, Clarence Chu, at ckchu52@comcast.net, (916) 776-1684, and (916) 813-7037. (Plans to install three utility pipes through the levee authorized under Permit No. 14313, 1986 - Frank and Genie Schmiedel. Plans to construct 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: 3/4/2015 4:48:00 PM												

Photo 3 of 3 : UCIP_SP_2018_50159_73168.jpg



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

LM Start	0.66	Rating **	M	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												
Tall, white, solid fence is blocking view of landside of levee.												

No Photos

* 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 - Spring 2018

Reclamation District No. 0369 Libby McNeil

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.78	03/21/2018 03/21/2018	Keith Millard

LM Start	0.74	Rating **	U	Issue No.	8
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250340 °	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.					

LM Start	0.74	Rating **	U	Issue No.	8 (cont)
LM End	0.77	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP_2018_RD0369_207_8_20180305_00001.jpg



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

Photo 2 of 2 : SP_2018_RD0369_207_8_20180305_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.

* 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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