

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2020 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

	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 2020 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Left	33.15

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/17/2020 - 3/18/2020			
DWR Inspector	Zach Jojola			
Accompanied By	Jon Scott Reclamation District 1500			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		o	o	o
DWR ID	DWR_RD1500_01_s_2013_9				
Comment Code					
Inspector Comment					
RD 1500 has their O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	55
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		o	o	o
DWR ID	DWR_RD1500_01_s_2013_55				
Comment Code					
Inspector Comment					
RD 1500 maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	61
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		o	o	o
DWR ID	DWR_RD1500_01_s_2013_61				
Comment Code					
Inspector Comment					
RD 1500 is current with it's flood response plans and training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	0.19	Rating **	M	Issue No.	93
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.761730 °	38.761730 °	
			-121.677953 °	-121.677953 °	
DWR ID	DWR_RD1500_01_s_2019_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are multiple rodent holes near the landside toe.					

No Photos

LM Start	0.21	Rating **	M	Issue No.	129
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.761957 °	38.761957 °	
			-121.678145 °	-121.678145 °	
DWR ID	DWR_RD1500_01_f_2019_129				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole near the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	0.31	Rating **	M	Issue No.	2550 (cont)
LM End	0.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763210 °	38.763210 °
				-121.679017 °	-121.679017 °
DWR ID	20032				

Photo 3 of 3 : UCIP_SP_2020_28183_51843.jpg



LS view: open steel pipe in concrete distribution box on levee toe.

LM Start	0.31	Rating **	M	Issue No.	145
LM End	0.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.763230 °	38.763230 °
				-121.679014 °	-121.679014 °
DWR ID	DWR_RD1500_01_f_2018_145				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs are dug into the landside slope.					

Photo 1 of 1 : SP_2020_RD1500_189_145_20200228_00058.jpg



View of stairs on the landside slope. Spring 2019.

LM Start	0.32	Rating **	M	Issue No.	90
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763334 °	38.763334 °
				-121.679119 °	-121.679119 °
DWR ID	DWR_RD1500_01_s_2019_90				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
A large rodent hole is near the landside shoulder.					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	0.37	Rating **	M	Issue No.	128
LM End	0.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.763826 °	38.763909 °	
			-121.679790 °	-121.679930 °	
DWR ID	DWR_RD1500_01_f_2019_128				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes on the landside slope.					

No Photos

LM Start	0.41	Rating **	M	Issue No.	148
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.764156 °	38.764156 °	
			-121.680462 °	-121.680462 °	
DWR ID	DWR_RD1500_01_s_2020_148				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope.					

No Photos

LM Start	0.56	Rating **	A/W	Issue No.	72
LM End	0.82	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.764462 °	38.764638 °	
			-121.683167 °	-121.687690 °	
DWR ID	DWR_RD1500_01_s_2018_72				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD1500_189_72_20200228_00025.jpg



View of the revegetation site on the waterward side toe of the levee looking upstream. Spring 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	0.56	Rating **	A/W	Issue No.	72 (cont)
LM End	0.82	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.764462 °	38.764638 °	
			-121.683167 °	-121.687690 °	
DWR ID	DWR_RD1500_01_s_2018_72				

Photo 2 of 2 : SP_2020_RD1500_189_72_20200228_00026.jpg



Sign is located at the toe of the levee on the waterward side. Spring 2016.

LM Start	1.13	Rating **	M	Issue No.	127
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.767761 °	38.767761 °	
			-121.691900 °	-121.691900 °	
DWR ID	DWR_RD1500_01_f_2019_127				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope.					

No Photos

LM Start	1.17	Rating **	M	Issue No.	126
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.768288 °	38.768288 °	
			-121.692203 °	-121.692203 °	
DWR ID	DWR_RD1500_01_f_2019_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope.					

No Photos

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	1.25	Rating **	M	Issue No.	99
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.769274 °	38.769274 °
				-121.691700 °	-121.691700 °
DWR ID	DWR_RD1500_01_f_2017_99				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are multiple rodent holes and mounds on the landside slope.					

Photo 1 of 2 : SP_2020_RD1500_189_99_20200228_00039.jpg



View of rodent holes. Spring 2018

LM Start	1.25	Rating **	M	Issue No.	99 (cont)
LM End	1.25	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2020_RD1500_189_99_20200228_00040.jpg



View of holes and mounds on landside slope. Fall 2017.

LM Start	1.25	Rating **	M	Issue No.	147
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.769342 °	38.769641 °
				-121.691663 °	-121.691194 °
DWR ID	DWR_RD1500_01_s_2020_147				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	1.25	Rating **	M	Issue No.	146
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.769343 °	38.769640 °	
			-121.691663 °	-121.691194 °	
DWR ID	DWR_RD1500_01_s_2020_146				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.29	Rating **	M	Issue No.	2551
LM End	1.29	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.769697 °	38.769697 °	
			-121.691024 °	-121.691024 °	
DWR ID	20094				
Comment Code					
Inspector Comment					
DS_ID:20094 FS_ID:28903 EP_NO: 10080 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump removed from concrete pad and kept inside pump house (may be for storage purpose) on waterside. A 8-inch steel pipe inside 14-inch pipe. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation discharge pipe through the levee, 5.2 feet below the crown. Pump in a corrugated metal pump house on the waterside (WS) slope. Butterfly valve on the WS. Concrete staircase on the WS slope. 1.75-inch galvanized iron water line with faucet exposed on the landside (LS) slope, 3.4 feet below the crown. 4-foot by 5.7-foot concrete distribution box at the LS toe. 1.25-inch conduit through levee, 2 feet below the crown. (14-inch steel irrigation discharge pipe through the levee and pump in a corrugated metal pump house on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 10080, 1974 - Sebastian Yturralde). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 1.28)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2020_28903_53162.jpg



WS view: pipe (left), pump house/store, and concrete steps.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	1.29	Rating **	M	Issue No.	2552
LM End	1.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.769698 °	38.769698 °
				-121.691023 °	-121.691023 °
DWR ID	20095				
Comment Code					
Inspector Comment					
DS_ID:20095 FS_ID:28905 EP_NO: 10080 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: - an electrical conduit for the pump- 1-3/4-inch galvanized iron waterline with tap exposed on landward slope 3.4 feet below crown not found. Included in Record No. 20094. FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation discharge pipe through the levee, 5.2 feet below the crown. Pump in a corrugated metal pump house on the waterside (WS) slope. Butterfly valve on the WS. Concrete staircase on the WS slope. 1.75-inch galvanized iron water line with faucet exposed on the landside (LS) slope, 3.4 feet below the crown. 4-foot by 5.7-foot concrete distribution box at the LS toe. 1.25-inch conduit through levee, 2 feet below the crown. (1.75-inch galvanized iron water line authorized under Automatic Board Order (ABO) issued as Permit No. 10080, 1974 - Sebastian Yturralde). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 1.28)]. FS Date: 1/9/2014					

No Photos

LM Start	1.33	Rating **	M	Issue No.	4
LM End	1.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.770023 °	38.770023 °
				-121.690575 °	-121.690575 °
DWR ID	DWR_RD1500_01_s_2012_4				
Comment Code					
RW : Retaining Wall					
Inspector Comment					
A retaining wall was built into the levee.					

Photo 1 of 1 : SP_2020_RD1500_189_4_20200228_00001.jpg



View of the retaining wall that is in USACE as-builts on the landward side of the levee looking upstream. Wall cuts into levee toe. Spring 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	1.63	Rating **	M	Issue No.	2553
LM End	1.63	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.772862 °	38.772862 °	
			-121.686453 °	-121.686453 °	
DWR ID	20033				
Comment Code					
Inspector Comment					
DS_ID:20033 FS_ID:28204 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pump removed- erosion around pump station.- overhead electrical line. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 10 feet below the crown. Pump and gate valve on the riverbank. Service pole and switch panel on the waterside (WS) shoulder. Pipe crosses irrigation ditch and discharges into a steel distribution box in the field. (10-inch steel irrigation discharge pipe through the levee and pump on the riverbank authorized under Automatic Board Order (ABO) issued as Permit No. 10043, 1974 - Leo Giovanetti). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 1.63)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2020_28204_51875.jpg



WS view: Service pole with control panel on levee shoulder.

LM Start	1.63	Rating **	M	Issue No.	2553 (cont)
LM End	1.63	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28204_51874.jpg



WS view: pump (removed) and inlet pipe on river bank.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	1.63	Rating **	M	Issue No.	2553 (cont)
LM End	1.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.772862 °	38.772862 °
				-121.686453 °	-121.686453 °
DWR ID	20033				

Photo 3 of 3 : UCIP_SP_2020_28204_51873.jpg



LS view: pipe crosses irrigation ditch. Steel distribution box across irrigation ditch.

LM Start	1.96	Rating **	M	Issue No.	2554
LM End	1.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.777433 °	38.777433 °
				-121.685348 °	-121.685348 °
DWR ID	20034				

Comment Code

Inspector Comment

DS_ID:20034
 FS_ID:28263
 EP_NO: 16146
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: - pump removed- overhead powerline- pile structure abandoned- levee slope erosion due to leaky siphon breaker on landside.
 FIELD_STRUCT_DESC: *REPLACEMENT CROSSING* 12-inch steel irrigation discharge pipe through the levee, 12 feet below the crown. Pump mounted on the riverbank. Butterfly valve on the waterside (WS). Power pole with one anchor on the WS slope. Pipe discharges into a 5-foot by 5-foot damaged concrete distribution box across the irrigation ditch on the landside (LS). Electrical conduit through the levee. (Cat. I - Furlan). (Abandonment-in-place of an existing pipe and replacement of approximately 70 feet of 12-inch irrigation discharge pipe authorized under Permit No. 16146, 1993 - Antonio Furlan and Joe Schreiner). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 1.96)].
 FS Date: 1/9/2014

Photo 1 of 3 : UCIP_SP_2020_28263_51965.jpg



WS view: Pump (removed and plywood plated), pipe, and gate valve in CMP riser on river bank.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	2.30	Rating **	A/W	Issue No.	87
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.781962 °	38.784936 °
				-121.688033 °	-121.690033 °
DWR ID	DWR_RD1500_01_f_2018_87				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 87.1 L Status: Eroding 2017 Field Notes: Large whole bank failure section in middle of site. Site History: 2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012 - Minor new erosion at toe. 2013 - Minor new erosion. 2015 - Significant new toe erosion. 2016 - Fresh erosion on riverbank.					

Photo 1 of 1 : SP_2020_RD1500_189_87_20200228_00034.jpg



USACE 2013 Photo #1

LM Start	2.38	Rating **	M	Issue No.	2555
LM End	2.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.783184 °	38.783184 °
				-121.688136 °	-121.688136 °
DWR ID	20035				
Comment Code					
Inspector Comment					
DS_ID:20035 FS_ID:28264 EP_NO: 10029 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pump removed- outlet plugged- looks abandoned. Found abandoned pipe parts on levee slope and berm.- overhead powerline FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, 11 feet below the crown. Two metal cutoff walls installed. Pumps on the riverbank during irrigation season. Gate valve at the waterside (WS) toe. Pipe discharges into a 2.5-foot by 2.5-foot concrete distribution box on the landside (LS) of the irrigation ditch. (Retention of a 12-inch steel irrigation discharge pipe through the levee and pumps on the riverbank during irrigation season authorized under Automatic Board Order (ABO) issued as Permit No. 10029, 1974 - Merle Anderson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 2.40)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2020_28264_51971.jpg



WS view: steel pipe, gate valve, and pump (removed) on river bank. Looks abandoned.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	2.38	Rating **	M	Issue No.	2555 (cont)
LM End	2.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.783184 °	38.783184 °
				-121.688136 °	-121.688136 °
DWR ID	20035				

Photo 2 of 3 : UCIP_SP_2020_28264_51970.jpg



LS view: discharge pipe crossing irrigation ditch on landside.

LM Start	2.38	Rating **	M	Issue No.	2555 (cont)
LM End	2.38	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28264_51969.jpg



LS view: plugged discharge pipe with air vent across irrigation ditch on landside.

LM Start	2.54	Rating **	M	Issue No.	963
LM End	3.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.785351 °	38.797128 °
				-121.689075 °	-121.691047 °
DWR ID	DWR_RD1500_01_s_2012_963				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_963_20200228_00060.jpg



View of the ditch at the toe of the landward side of the levee looking upstream. Spring 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	2.65	Rating **	M	Issue No.	143
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.786129 °	38.786129 °
				-121.687329 °	-121.687329 °
DWR ID	DWR_RD1500_01_s_2020_143				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Ruts on the landside slope.					

No Photos

LM Start	2.65	Rating **	M	Issue No.	141
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.786130 °	38.789834 °
				-121.687329 °	-121.684823 °
DWR ID	DWR_RD1500_01_s_2020_141				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.65	Rating **	M	Issue No.	142
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.786130 °	38.789834 °
				-121.687329 °	-121.684823 °
DWR ID	DWR_RD1500_01_s_2020_142				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	3.26	Rating **	M	Issue No.	124
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.792004 °	38.792004 °	
			-121.688571 °	-121.688571 °	
DWR ID	DWR_RD1500_01_f_2019_124				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope.					

No Photos

LM Start	3.69	Rating **	M	Issue No.	131
LM End	3.69	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.797152 °	38.797152 °	
			-121.691238 °	-121.691238 °	
DWR ID	DWR_RD1500_01_f_2016_131				
Comment Code					
BU : Building					
Inspector Comment					
There is an abandoned building at this location.					

Photo 1 of 1 : SP_2020_RD1500_189_131_20200228_00052.jpg



Abandoned building at waterward toe of the levee. Fall 2016.

LM Start	3.94	Rating **	U	Issue No.	7
LM End	3.94	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.797573 °	38.797573 °	
			-121.695727 °	-121.695727 °	
DWR ID	DWR_RD1500_01_s_2012_7				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD1500_189_7_20200228_00002.jpg



A small building is encroaching into the landside levee 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	3.94	Rating **	U	Issue No.	7 (cont)
LM End	3.94	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.797573 °	38.797573 °	
			-121.695727 °	-121.695727 °	
DWR ID	DWR_RD1500_01_s_2012_7				

Photo 2 of 2 : SP_2020_RD1500_189_7_20200228_00003.jpg



Chicken coupes have been added along the toe of the levee. Spring 2014

LM Start	4.01	Rating **	M	Issue No.	2556
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.798436 °	38.798436 °	
			-121.696280 °	-121.696280 °	
DWR ID	20037				

Photo 1 of 3 : UCIP_SP_2020_28272_52012.jpg



WS view: slant pump on steel frame on levee berm.

Comment Code					
Inspector Comment					
DS_ID:20037 FS_ID:28272 EP_NO: 3638 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - No protection for pressure breaker. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 2.4 feet below the crown. Slant pump on the berm. Siphon breaker on the landside (LS) slope. Service pole at the LS toe. Pipe discharges into a 36-inch concrete standpipe on the LS. (Installation, maintenance, and operation of an inclined pump and an existing pipe to remain through the levee authorized under Permit No. 3638, 1961 - James F. Waters). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 4.04)]. FS Date: 1/9/2014					

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	4.01	Rating **	M	Issue No.	2556 (cont)
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.798436 °	38.798436 °
				-121.696280 °	-121.696280 °
DWR ID	20037				

Photo 2 of 3 : UCIP_SP_2020_28272_52011.jpg



LS view: pressure breaker without protection on levee slope.

LM Start	4.01	Rating **	M	Issue No.	2556 (cont)
LM End	4.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28272_52013.jpg



LS view: power pole and concrete standpipe on levee toe.

LM Start	4.02	Rating **	M	Issue No.	54
LM End	4.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.798526 °	38.800063 °
				-121.696326 °	-121.696622 °
DWR ID	DWR_RD1500_01_s_2012_54				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch runs along the toe of the levee.					

Photo 1 of 1 : SP_2020_RD1500_189_54_20200228_00023.jpg



View of the ditch on the landward side of the levee looking upstream. Spring 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	4.16	Rating **	M	Issue No.	11
LM End	4.16	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.800548 °	38.800548 °	
			-121.696751 °	-121.696751 °	
DWR ID	DWR_RD1500_01_f_2019_11				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_11_20200228_00004.jpg



View of the equipment shed on the landward side of the levee looking downstream. Spring 2016.

LM Start	4.31	Rating **	M	Issue No.	113
LM End	4.38	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.802493 °	38.803205 °	
			-121.697971 °	-121.698998 °	
DWR ID	DWR_RD1500_01_s_2020_113				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Orchard tree stumps at the landside toe.					

No Photos

LM Start	4.48	Rating **	C	Issue No.	111
LM End	4.48	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.803737 °	38.803737 °	
			-121.700748 °	-121.700748 °	
DWR ID	DWR_RD1500_01_f_2019_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs on the landside slope.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	4.68	Rating **	M	Issue No.	2557
LM End	4.68	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.803025 °	38.803025 °	
			-121.704091 °	-121.704091 °	
DWR ID	20040				
Comment Code					
Inspector Comment					
DS_ID:20040 FS_ID:28912 EP_NO: 5031 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: New butterfly valve in CMP riser on waterside slope. New pipe and pump.Needs cleaning and clearing of siphon breaker in CMP on landside.An abandoned 5x5 foot concrete distribution box on landside. Abandoned pipe found on both sides of the levee. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee at a slight angle, 4.2 feet below the crown. 2-inch conduit through the levee, 2 feet below the crown. Slant pump on a steel platform on the berm. (Slant pump authorized under Permit No. 5031, 1965 - Gladys Johnston and Helen Dixon). Pipe discharges into an irrigation ditch and an abandoned 5-foot by 5-foot concrete distribution box on the landside. (Pipe originally installed in 1950. 12-inch centrifugal irrigation pump and 14-inch, 12-gage welded steel pipe through the levee authorized under Permit No. 1466, 1950 - Estate of Caroline L. Knox. Pipe reinstalled by USACE in 1958). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 4.71)]. FS Date: 1/9/2014					

LM Start	4.68	Rating **	M	Issue No.	2557 (cont)
LM End	4.68	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2020_28912_53181.jpg



WS view: slant pump and switch panel in shed on levee berm.

Photo 2 of 3 : UCIP_SP_2020_28912_53180.jpg



LS view: obstructed siphon breaker in CMP riser.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	4.68	Rating **	M	Issue No.	2557 (cont)
LM End	4.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.803025 °	38.803025 °
				-121.704091 °	-121.704091 °
DWR ID	20040				

Photo 3 of 3 : UCIP_SP_2020_28912_53179.jpg



WS view: new butterfly valve in CMP on levee shoulder.

LM Start	5.14	Rating **	M	Issue No.	108
LM End	5.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801962 °	38.801962 °
				-121.712118 °	-121.712118 °
DWR ID	DWR_RD1500_01_f_2015_108				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_108_20200228_00042.jpg



View of the equipment on the landward side of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	5.19	Rating **	M	Issue No.	2558
LM End	5.19	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.802322 °	38.802322 °	
			-121.712908 °	-121.712908 °	
DWR ID	20041				
Comment Code					
Inspector Comment					
DS_ID:20041 FS_ID:28913 EP_NO: 10056 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Depression on landside levee slope around siphon breaker due to leakage. Siphon breaker needs protection. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. 1.5-inch conduit through the levee, 20 feet below the crown. Slant pump in a corrugated metal pump house on the waterside (WS). Wooden steps on the WS slope. Siphon breaker on the landside (LS) slope. 5-foot by 5-foot concrete distribution box at the LS toe. (18-inch steel irrigation discharge pipe and all other elements of this irrigation structure retained under Automatic Board Order (ABO) issued as Permit No. 10056, 1974 - Philip Leiser). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 5.23)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2020_28913_53184.jpg



WS view: wooden steps to pump house on levee berm.

LM Start	5.19	Rating **	M	Issue No.	2558 (cont)
LM End	5.19	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28913_53183.jpg



LS view: depression on landside levee slope around siphon breaker due to leakage. Concrete distribution box (top) on levee 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	5.19	Rating **	M	Issue No.	2558 (cont)
LM End	5.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802322 °	38.802322 °
				-121.712908 °	-121.712908 °
DWR ID	20041				

Photo 3 of 3 : UCIP_SP_2020_28913_53182.jpg



LS view: leaky and obstructed siphon breaker. Depression around siphon breaker due to leakage.

LM Start	5.19	Rating **	M	Issue No.	139
LM End	5.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.802344 °	38.802344 °
				-121.712940 °	-121.712940 °
DWR ID	DWR_RD1500_01_s_2020_139				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on the landside slope.					

Photo 1 of 1 : SP_2020_RD1500_189_139_20200319_00204.jpg



View of the erosion on the landside slope. Spring 2020.

LM Start	5.32	Rating **	U	Issue No.	125
LM End	5.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.803181 °	38.803344 °
				-121.715141 °	-121.715616 °
DWR ID	DWR_RD1500_01_f_2016_125				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_125_20200228_00051.jpg



View of fence and vegetation on LS slope. Fall 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	5.61	Rating **	M	Issue No.	52
LM End	5.69	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.803067 °	38.803238 °	
			-121.720270 °	-121.721847 °	
DWR ID	DWR_RD1500_01_s_2012_52				
Comment Code					
EQ : Equipment					
Inspector Comment					
Sting Rayz Beach Boardwalk Marina on the waterside berm should move equipment stored on landside shoulder.					

Photo 1 of 1 : SP_2020_RD1500_189_52_20200319_00205.jpg



View of the equipment on the landside shoulder. Spring 2020.

LM Start	6.24	Rating **	A/W	Issue No.	136
LM End	6.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.811093 °	38.811093 °	
			-121.722790 °	-121.722790 °	
DWR ID	DWR_RD1500_01_f_2018_136				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is minor runoff on the waterside slope. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	6.48	Rating **	M	Issue No.	2559
LM End	6.48	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.814501 °	38.814501 °	
			-121.723040 °	-121.723040 °	
DWR ID	20044				
Comment Code					
Inspector Comment					
DS_ID:20044 FS_ID:28286 EP_NO: 10074 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not found- 36-inch concrete standpipe on landside. 2-inch conduit through the levee. Pipe description does not match with field observaion. It needs review and more info from LMA. A capped pipe, air vent, and butterfly valve found on landside toe. But, it is not clear whether these belongs to this crossing. FIELD_STRUCT_DESC: 30-inch steel irrigation discharge pipe and electrical conduit through the levee, 13 feet below the crown. Slide gate in a 42-inch corrugated metal pipe (CMP) riser on the berm. Slant pump on steel pump platform on the berm. Installed by USACE in 1959. (30-inch steel irrigation discharge pipe and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10074, 1974 - T. I. and T. Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 6.53)]. FS Date: 1/9/2014					

LM Start	6.48	Rating **	M	Issue No.	2559 (cont)
LM End	6.48	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_SP_2020_28286_52059.jpg



WS view: CMP riser with slide gate and slant pump on steel platform on levee berm.

Photo 2 of 2 : UCIP_SP_2020_28286_52058.jpg



LS view: a capped pipe on levee toe. It is not clear whether this pipe is connected to the CMP riser on waterside.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	7.15	Rating **	M	Issue No.	2560
LM End	7.15	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.824208 °	38.824208 °	
			-121.722793 °	-121.722793 °	
DWR ID	20047				
Comment Code					
Inspector Comment					
DS_ID:20047 FS_ID:28923 EP_NO: 10048 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: An abandoned pipe. Highly deteriorated pipe on river bank. Needs proper abandonment. Not found- Siphon breaker at landward levee toe. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe and a 1-inch conduit through the levee, 4.5 feet below the crown. Pump in a metal shed on the riverbank. Gate valve on the waterside (WS) end. Service pole and 24-inch concrete standpipe at the landside (LS) toe. Installed by USACE in 1958. (10-inch steel irrigation discharge pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10048, 1974 - Virgil J. King) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 7.22)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2020_28923_53202.jpg



WS view: dilapidated and abandoned CM pump house on berm. Pipe and gate valve also on berm.

LM Start	7.15	Rating **	M	Issue No.	2560 (cont)
LM End	7.15	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28923_53201.jpg



WS view: deteriorated and abandoned steel pipe on river bank.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	7.15	Rating **	M	Issue No.	2560 (cont)
LM End	7.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.824208 °	38.824208 °
				-121.722793 °	-121.722793 °
DWR ID	20047				

Photo 3 of 3 : UCIP_SP_2020_28923_53200.jpg



LS view: service pole and switch board on levee toe. No other apurtenances found on landside.

LM Start	7.18	Rating **	M	Issue No.	134
LM End	7.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.824652 °	38.824908 °
				-121.722791 °	-121.722817 °
DWR ID	DWR_RD1500_01_f_2018_134				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	7.47	Rating **	M	Issue No.	16
LM End	7.53	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.828676 °	38.829352 °	
			-121.724168 °	-121.724600 °	
DWR ID	DWR_RD1500_01_f_2017_16				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_16_20200228_00005.jpg



View of the equipment along the levee toe on the landward side of the levee looking upstream. Spring 2016.

LM Start	7.72	Rating **	M	Issue No.	2561
LM End	7.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.831638 °	38.831638 °	
			-121.726580 °	-121.726580 °	
DWR ID	20049				
Comment Code					
Inspector Comment					

Photo 1 of 3 : UCIP_SP_2020_50199_53204.jpg



WS view: slant pump on steel platform on end of berm.

DS_ID:20049
 FS_ID:50199
 EP_NO: 8147
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 08/29/2016: New pumps installed at LS toe ditch, could not find permit for this work. No signs of leakage or excessive vegetation growth in alignment with the pipe. Riser silted in; recommend installing a lid. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)01/10/2014:Not found- slide gate in 48-inch corrugated metal riser at waterside toe.Repair works under way. Contact LMA for repair works information.Sign of leaky pipe and siphon breaker. This needs detailed investigation. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Slant pump mounted on a steel structure at the riverbank. 4-foot by 4-foot concrete distribution box at the landside (LS) toe with newly installed pumps with shutoff valves. (Replacement of a discharge pipe through the levee with a new 12-inch steel discharge pipe authorized under Permit No. 8147, 1972 - J. A. Driver). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 7.79)].
 FS Date: 8/29/2016

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	7.96	Rating **	M	Issue No.	2562 (cont)
LM End	7.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.834260 °	38.834260 °
				-121.729566 °	-121.729566 °
DWR ID	20051				

Photo 3 of 3 : UCIP_SP_2020_28323_52123.jpg



LS view: outlet steel pipe across the residential road off the levee toe on field.

LM Start	8.04	Rating **	M	Issue No.	109
LM End	8.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.835149 °	38.835149 °
				-121.730454 °	-121.730454 °
DWR ID	DWR_RD1500_01_f_2019_109				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	8.35	Rating **	M	Issue No.	2563
LM End	8.35	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.839446 °	38.839446 °	
			-121.728901 °	-121.728901 °	
DWR ID	20053				
Comment Code					
Inspector Comment					
DS_ID:20053 FS_ID:28324 EP_NO: 10064 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Looks abandoned as service pole not found. May need proper abandonment. FIELD_STRUCT_DESC: 24-inch by 24-inch concrete box irrigation discharge culvert through the levee, 13 feet below the crown. Two concrete cutoff walls. Pump on a 6-foot-diameter concrete pump well on the berm. Slide gate in a 42-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 4.5-foot by 6-foot concrete distribution box at the landside (LS) toe. Installed by Reclamation District No. 1500 in 1920. Improvements made by USACE in 1955. (24-inch by 24-inch concrete box irrigation discharge culvert through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10064, 1974 - Paul Donald Nix). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 8.44), 36-inch pipe referenced]. FS Date: 1/10/2014					

Photo 1 of 3 : UCIP_SP_2020_28324_52131.jpg



WS view: slide gate in CMP riser on levee slope. Looks abandoned.

LM Start	8.35	Rating **	M	Issue No.	2563 (cont)
LM End	8.35	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28324_52130.jpg



WS view: vertical pump on concrete sump on levee berm. Looks abandoned.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	8.67	Rating **	M	Issue No.	2564 (cont)
LM End	8.67	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.842218 °	38.842218 °
				-121.725728 °	-121.725728 °
DWR ID	20054				

Photo 2 of 3 : UCIP_SP_2020_28343_52144.jpg



WS view: pipe, pump (removed and capped with plywood), and gate valve on river bank.

LM Start	8.67	Rating **	M	Issue No.	2564 (cont)
LM End	8.67	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28343_52143.jpg



LS view: concrete distribution box on landside toe.

LM Start	8.72	Rating **	M	Issue No.	18
LM End	8.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.842673 °	38.842673 °
				-121.726442 °	-121.726442 °
DWR ID	DWR_RD1500_01_f_2018_18				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_18_20200228_00006.jpg



The corner of the building has encroached into the 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	8.95	Rating **	M	Issue No.	2565
LM End	8.95	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.845578 °	38.845578 °	
			-121.728406 °	-121.728406 °	
DWR ID	20055				
Comment Code					
Inspector Comment					
DS_ID:20055 FS_ID:28363 EP_NO: 8503 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Looks abandoned. No pump found on WS. New well near landside. May need proper abandonment. Exposed pipe on waterside. Found steel plate closed pipe on landside. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, 3.8 feet below the crown. Pump on concrete pad with headwall at the riverbank. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 1.25-inch conduit through the levee, 3 feet below the crown. Meter pole with switch panel at the landside (LS) toe. Concrete distribution box at the LS toe. (12-inch steel irrigation discharge pipe through the levee and slant pump retained under Permit No. 8503, 1972 - James T. Munson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 9.04), 10-inch pipe referenced]. FS Date: 1/10/2014					

Photo 1 of 3 : UCIP_SP_2020_28363_52167.jpg



WS view: siphon breaker in CMP riser on levee slope.

LM Start	8.95	Rating **	M	Issue No.	2565 (cont)
LM End	8.95	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28363_52166.jpg



WS view: inlet steel pipe with gate valve on river bank.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	8.95	Rating **	M	Issue No.	2565 (cont)
LM End	8.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.845578 °	38.845578 °
				-121.728406 °	-121.728406 °
DWR ID	20055				

Photo 3 of 3 : UCIP_SP_2020_28363_52165.jpg



LS view: pipe end capped with steel plate on levee toe. Looks abandoned.

LM Start	9.03	Rating **	C	Issue No.	133
LM End	9.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.846762 °	38.846762 °
				-121.728141 °	-121.728141 °
DWR ID	DWR_RD1500_01_f_2018_133				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen walnut tree from orchard is blocking access at the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	9.13	Rating **	M	Issue No.	2566
LM End	9.13	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.847841 °	38.847841 °	
			-121.727172 °	-121.727172 °	
DWR ID	20056				
Comment Code					
Inspector Comment					
DS_ID:20056 FS_ID:28364 EP_NO: 5598 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not found- Wood headwall 18 ft from landward toe. Not found- Flap gate on landward side.No outlet structure found. Only a capped pipe found, but not sure whether it is connected to the crossing. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe and electrical conduit through the levee, 4.8 feet below the crown. One metal cutoff wall. Slant pump on steel structure on the berm. Siphon breaker in an 8.5-inch steel pipe riser on the landside (LS) shoulder. Meter pole on the LS toe. Wooden headwall with flap gate off the LS toe. Pipe discharges into field. Installed in 1967. (Construction of a pumping plant and installation of a discharge pipe through the levee authorized under Permit No. 5598, 1966 - Arthur C. James Jr. Existing encroachments retained under Permit No. 8505, 1972 - Arthur C. James Jr.). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 1/10/2014					

Photo 1 of 3 : UCIP_SP_2020_28364_52174.jpg



WS view: slant pump on steel platform on levee berm. Excessive oil leak from the pump.

LM Start	9.13	Rating **	M	Issue No.	2566 (cont)
LM End	9.13	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28364_52175.jpg



LS view: air vent in steel pipe riser on levee slope.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	9.13	Rating **	M	Issue No.	2566 (cont)
LM End	9.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.847841 °	38.847841 °
				-121.727172 °	-121.727172 °
DWR ID	20056				

Photo 3 of 3 : UCIP_SP_2020_28364_52173.jpg



LS view: capped outlet pipe on levee toe.

LM Start	9.26	Rating **	U	Issue No.	137
LM End	9.83	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.849020 °	38.853750 °
				-121.725142 °	-121.727530 °
DWR ID	DWR_RD1500_01_s_2020_137				
Comment Code					
UR : Urban					
Inspector Comment					
Large stretch of campers on the waterside berm.					

Photo 1 of 2 : SP_2020_RD1500_189_137_20200319_00202.jpg



View of the campers on the waterside berm. Fall 2019.

LM Start	9.26	Rating **	U	Issue No.	137 (cont)
LM End	9.83	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2020_RD1500_189_137_20200319_00203.jpg



View of the campers on the waterside berm. Fall 2019.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	9.40	Rating **	A/W	Issue No.	74
LM End	9.57	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.850267 °	38.852564 °	
			-121.723275 °	-121.723179 °	
DWR ID	DWR_RD1500_01_s_2012_74				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD1500_189_74_20200228_00027.jpg



View of the revegetation site along the edge of the berm on the waterward side of the levee looking downstream. Spring 2016.

LM Start	9.40	Rating **	A/W	Issue No.	74 (cont)
LM End	9.57	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : SP_2020_RD1500_189_74_20200228_00028.jpg



Sign for the revegetation site by USACE.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	9.66	Rating **	M	Issue No.	2567 (cont)
LM End	9.66	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.853364 °	38.853364 °	
			-121.724617 °	-121.724617 °	
DWR ID	20057				

Photo 3 of 3 : UCIP_SP_2020_28365_52179.jpg



LS view: U type concrete headwall, pipe, gate valve, and pump (removed and plugged with plywood) on river bank.

LM Start	9.71	Rating **	A/W	Issue No.	162
LM End	9.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.853564 °	38.853564 °	
			-121.725379 °	-121.725379 °	
DWR ID	DWR_RD1500_01_s_2017_162				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
The area is heavily accessed by trailer residents and fishermen. Recommend monitoring.					

Photo 1 of 1 : SP_2020_RD1500_189_162_20200228_00059.jpg



View of slope stability on waterside slope. Spring 2017.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	10.12	Rating **	M	Issue No.	2568
LM End	10.12	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.857853 °	38.857853 °	
			-121.728222 °	-121.728222 °	
DWR ID	20058				
Comment Code					
Inspector Comment					
DS_ID:20058 FS_ID:50069 EP_NO: 10068 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 01/10/2014Surface erosion along pipe alignment on landside.30-inch concrete pipe in CMP riser on waterside. 30-inch x 24-inch concrete culvert on landside. FIELD_STRUCT_DESC: 24-inch by 30-inch reinforced concrete box irrigation discharge culvert diagonally through the levee, 13 feet below the crown. Two concrete cutoff walls. Slant pump on the riverbank. Slide gate in a 40-inch by 40-inch concrete surge box on the berm. Power pole and switch panel on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. Installed by Reclamation District No. 1500 in 1920. (24-inch by 30-inch reinforced concrete box irrigation discharge culvert diagonally through the levee, slant pump, and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10068, 1974 - Cecil Reel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 10.22)]. FS Date: 1/10/2014					

Photo 1 of 3 : UCIP_SP_2020_50069_52188.jpg



WS view: pipe and pump with appurtenances on river bank. Pump removed and plugged with plywood.

LM Start	10.12	Rating **	M	Issue No.	2568 (cont)
LM End	10.12	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_50069_52189.jpg



LS view: surface erosion along pipe alignment on landside.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	10.12	Rating **	M	Issue No.	2568 (cont)
LM End	10.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.857853 °	38.857853 °
				-121.728222 °	-121.728222 °
DWR ID	20058				

Photo 3 of 3 : UCIP_SP_2020_50069_52192.jpg



LS view: outlet of concrete box culvert on levee toe.

LM Start	10.19	Rating **	M	Issue No.	104
LM End	10.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.858839 °	38.858839 °
				-121.728650 °	-121.728650 °
DWR ID	DWR_RD1500_01_f_2019_104				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope.					

No Photos

LM Start	10.25	Rating **	M	Issue No.	115
LM End	10.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.859585 °	38.859585 °
				-121.729188 °	-121.729188 °
DWR ID	DWR_RD1500_01_f_2018_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are active rodent holes at the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	10.70	Rating **	M	Issue No.	2569 (cont)
LM End	10.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861550 °	38.861550 °
				-121.737006 °	-121.737006 °
DWR ID	20059				

Photo 3 of 3 : UCIP_SP_2020_28925_53208.jpg



LS view: obstructed siphon breaker in CMP riser (bottom) on levee slope.

LM Start	11.30	Rating **	M	Issue No.	20
LM End	11.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.866383 °	38.866383 °
				-121.745911 °	-121.745911 °
DWR ID	DWR_RD1500_01_s_2020_20				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Permitted landscape needs maintenance. (PN: 10041)					

Photo 1 of 1 : SP_2020_RD1500_189_20_20200228_00007.jpg



View of the landscaping on the landward side of the levee looking upstream. Fall 2015.

LM Start	11.32	Rating **	M	Issue No.	101
LM End	11.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.866726 °	38.866726 °
				-121.746114 °	-121.746114 °
DWR ID	DWR_RD1500_01_f_2019_101				
Comment Code					
ST : Stairway					
Inspector Comment					
Wooden stairway on the landside slope.					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	11.45	Rating **	M	Issue No.	2570
LM End	11.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.868544 °	38.868544 °
				-121.746471 °	-121.746471 °
DWR ID	20061				
Comment Code					
Inspector Comment					
DS_ID:20061 FS_ID:50198 EP_NO: 10041 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/29/2016 Depressions cited previously are a make-shift staircase and not an indication of a problem with pipe. Pipe partiallay exposed on LS slope which should be backfilled. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)01/10/2014 Depressions on both sides of the levee slope. It needs more investigation.Pump removed. (P. Amatya - DWR) FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. One corrugated metal cutoff wall. Pump and gate valve on a concrete pump platform on the riverbank. Corrugated metal switch house on the waterside (WS) slope. Meter pole on the WS shoulder. 8-foot by 6-foot, inside dimensions, concrete distribution box on the landside (LS). Overhead power line crosses the levee. Pole at the LS toe. Installed by USACE in 1952. (8-inch steel irrigation discharge pipe through the levee, pump, and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10041, 1974 - William J. Duffy Jr.) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 11.57)]. FS Date: 8/29/2016					

LM Start	11.45	Rating **	M	Issue No.	2570 (cont)
LM End	11.45	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2020_50198_52220.jpg



WS view: pipe, pump (removed), headwall, and appurtenances on river bank.

Photo 2 of 3 : UCIP_SP_2020_50198_52219.jpg



LS view: depressions along the pipe alignment on levee slope. It needs detailed investigation.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	11.45	Rating **	M	Issue No.	2570 (cont)
LM End	11.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.868544 °	38.868544 °
				-121.746471 °	-121.746471 °
DWR ID	20061				

Photo 3 of 3 : UCIP_SP_2020_50198_52221.jpg



LS view: concrete distribution box on levee toe. Exposed pipe and depression (top) visible on levee slope.

LM Start	11.45	Rating **	M	Issue No.	114
LM End	11.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.868577 °	38.868577 °
				-121.746487 °	-121.746487 °
DWR ID	DWR_RD1500_01_f_2015_114				
Comment Code					
ST : Stairway					
Inspector Comment					
Landowner has dug stairs on the landside slope to irrigation equipment.					

Photo 1 of 3 : SP_2020_RD1500_189_114_20200228_00043.jpg



Perspective view of the concrete box on the landward side of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	11.45	Rating **	M	Issue No.	114 (cont)
LM End	11.45	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.868577 °	38.868577 °	
			-121.746487 °	-121.746487 °	
DWR ID	DWR_RD1500_01_f_2015_114				

Photo 2 of 3 : SP_2020_RD1500_189_114_20200228_00044.jpg



There is erosion at the levee toe around the concrete box. There are also stairs leading down the slope. Fall 2015.

LM Start	11.45	Rating **	M	Issue No.	114 (cont)
LM End	11.45	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2020_RD1500_189_114_20200228_00045.jpg



There is slight erosion on the waterward side of the levee where the pipe seems to run through the levee. Fall 2015.

LM Start	11.64	Rating **	C	Issue No.	97
LM End	11.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.871281 °	38.871281 °	
			-121.747215 °	-121.747215 °	
DWR ID	DWR_RD1500_01_f_2019_97				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Ruts on the landside slope.					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	12.00	Rating **	M	Issue No.	2571 (cont)
LM End	12.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.870780 °	38.870780 °
				-121.752630 °	-121.752630 °
DWR ID	20008				

Photo 3 of 3 : UCIP_SP_2020_41744_51344.jpg



LS view: overview of irrigation ditch on toe of levee.

LM Start	12.01	Rating **	M	Issue No.	116
LM End	12.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.870730 °	38.870730 °
				-121.752908 °	-121.752908 °
DWR ID	DWR_RD1500_01_s_2017_116				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is runoff erosion on the landside levee slope.					

Photo 1 of 1 : SP_2020_RD1500_189_116_20200228_00046.jpg



View of erosion on landside slope. Spring 2017.

LM Start	12.42	Rating **	M	Issue No.	24
LM End	12.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.868834 °	38.867492 °
				-121.760014 °	-121.760903 °
DWR ID	DWR_RD1500_01_s_2012_24				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_24_20200228_00008.jpg



View of the equipment on the landward side of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	12.55	Rating **	M	Issue No.	2572
LM End	12.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.867254 °	38.867254 °
				-121.761212 °	-121.761212 °
DWR ID	20063				
Comment Code					
Inspector Comment					
DS_ID:20063 FS_ID:50197 EP_NO: 10061 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/29/2016 Same as last inspection. (K. FAZel - UCIP)01/10/2014 Needs proper abandonment. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. Installed by USACE in 1944. (18-inch corrugated metal gravity drainage pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Roger L. Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 12.69)]. FS Date: 8/29/2016					

Photo 1 of 3 : UCIP_SP_2020_50197_52425.jpg



WS view: slide gate (left) in concrete box at levee toe. Slide gate and the box mostly buried.

LM Start	12.55	Rating **	M	Issue No.	2572 (cont)
LM End	12.55	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_50197_52424.jpg



LS view: concrete intake box on levee 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	12.55	Rating **	M	Issue No.	2572 (cont)
LM End	12.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.867254 °	38.867254 °
				-121.761212 °	-121.761212 °
DWR ID	20063				

Photo 3 of 3 : UCIP_SP_2020_50197_52423.jpg



LS view: silted CMP in concrete intake box on levee toe.

LM Start	12.57	Rating **	M	Issue No.	118
LM End	12.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.867108 °	38.867108 °
				-121.761498 °	-121.761498 °
DWR ID	DWR_RD1500_01_f_2015_118				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Recommend backfilling erosion.					

No Photos

LM Start	12.78	Rating **	M	Issue No.	25
LM End	12.86	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.865429 °	38.864777 °
				-121.764684 °	-121.765857 °
DWR ID	DWR_RD1500_01_s_2012_25				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_25_20200228_00009.jpg



View of the equipment on the waterside shoulder of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	13.01	Rating **	M	Issue No.	26
LM End	13.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.863438 °	38.863438 °
				-121.768212 °	-121.768212 °
DWR ID	DWR_RD1500_01_s_2019_26				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_26_20200228_00010.jpg



The building's backside was built into the toe of the levee.

LM Start	13.78	Rating **	M	Issue No.	119
LM End	13.82	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.859679 °	38.859201 °
				-121.780862 °	-121.781276 °
DWR ID	DWR_RD1500_01_f_2015_119				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_119_20200228_00048.jpg



View of the equipment on the crown of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	13.96	Rating **	M	Issue No.	28
LM End	13.96	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.857625 °	38.857625 °	
			-121.782832 °	-121.782832 °	
DWR ID	DWR_RD1500_01_s_2012_28				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment are on the waterside shoulder but does not obstruct access.					

Photo 1 of 1 : SP_2020_RD1500_189_28_20200228_00011.jpg



View of the equipment on the crown side of the levee looking upstream. Fall 2015.

LM Start	13.98	Rating **	A/W	Issue No.	89
LM End	14.28	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.857239 °	38.861899 °	
			-121.783771 °	-121.784057 °	
DWR ID	DWR_RD1500_01_f_2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 99.0 L Status: Eroding 2017 Field Notes: Rock continues to unravel. Site History: 1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials.					

Photo 1 of 1 : SP_2020_RD1500_189_89_20200228_00035.jpg



USACE 2013 Photo #1

LM Start	14.17	Rating **	M	Issue No.	91
LM End	14.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.860281 °	38.860281 °	
			-121.783247 °	-121.783247 °	
DWR ID	DWR_RD1500_01_f_2019_91				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff on the landside slope.					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	14.19	Rating **	M	Issue No.	30
LM End	14.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.860624 °	38.860624 °
				-121.783324 °	-121.783324 °
DWR ID	DWR_RD1500_01_s_2012_30				
Comment Code					
BU : Building					
Inspector Comment					
Concrete stemwall into levee embankment.					

Photo 1 of 1 : SP_2020_RD1500_189_30_20200228_00012.jpg



View of the building on the landward side of the levee looking upstream. Fall 2015.

LM Start	14.21	Rating **	M	Issue No.	138
LM End	14.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.860951 °	38.860951 °
				-121.783422 °	-121.783422 °
DWR ID	DWR_RD1500_01_f_2016_138				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_138_20200228_00056.jpg



View of a building encroaching the levee on landside toe. Fall 2016.

LM Start	14.23	Rating **	A/W	Issue No.	86
LM End	14.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.861112 °	38.861112 °
				-121.783490 °	-121.783490 °
DWR ID	DWR_RD1500_01_f_2019_86				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole on the landside slope.					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	14.24	Rating **	M	Issue No.	31
LM End	14.25	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.861335 °	38.861385 °	
			-121.783605 °	-121.783621 °	
DWR ID	DWR_RD1500_01_s_2012_31				
	Comment Code				
	V6 : Landscaping				
	Inspector Comment				

Photo 1 of 1 : SP_2020_RD1500_189_31_20200228_00013.jpg



View of the landscaping on the landward side of the levee looking upstream. Spring 2016.

LM Start	14.71	Rating **	M	Issue No.	969
LM End	15.76	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.865395 °	38.871827 °	
			-121.789402 °	-121.804158 °	
DWR ID	DWR_RD1500_01_s_2012_969				
	Comment Code				
	DT : Ditch				
	Inspector Comment				
	There is a ditch at the levee toe.				

Photo 1 of 1 : SP_2020_RD1500_189_969_20200228_00061.jpg



View of the ditch on the landward side of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	15.11	Rating **	M	Issue No.	2573 (cont)
LM End	15.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.866841 °	38.866841 °
				-121.794047 °	-121.794047 °
DWR ID	20010				

Photo 2 of 3 : UCIP_SP_2020_56135_83383.jpg



Completed landside levee slope. Photo courtesy MBK

LM Start	16.30	Rating **	M	Issue No.	33
LM End	16.30	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2020_56135_83384.jpg



Completed waterside ramp and levee slope. Photo courtesy MBK

LM Start	16.30	Rating **	M	Issue No.	33
LM End	16.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.875785 °	38.875785 °
				-121.812330 °	-121.812330 °
DWR ID	DWR_RD1500_01_f_2017_33				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	16.97	Rating **	M	Issue No.	2574 (cont)
LM End	16.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.885098 °	38.885098 °
				-121.812884 °	-121.812884 °
DWR ID	20081				

Photo 3 of 3 : UCIP_SP_2020_28489_52477.jpg



LS view: U type concrete headwall with slide gate on levee toe.

LM Start	17.27	Rating **	M	Issue No.	117
LM End	17.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.887377 °	38.887377 °
				-121.808236 °	-121.808236 °
DWR ID	DWR_RD1500_01_f_2016_117				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairway was made by digging into the levee slope.					

Photo 1 of 1 : SP_2020_RD1500_189_117_20200228_00047.jpg



View of stairs dug on landside levee slope. Fall 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	17.27	Rating **	M	Issue No.	2575 (cont)
LM End	17.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.887377 °	38.887377 °
				-121.808219 °	-121.808219 °
DWR ID	20066				

Photo 3 of 3 : UCIP_SP_2020_28490_52483.jpg



LS view: exposed pipe on levee slope, and concrete distribution box on levee toe.

LM Start	17.70	Rating **	C	Issue No.	84
LM End	17.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.892865 °	38.892865 °
				-121.804710 °	-121.804710 °
DWR ID	DWR_RD1500_01_f_2019_84				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile on the landside slope.					

No Photos

LM Start	18.20	Rating **	A/W	Issue No.	79
LM End	18.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.899570 °	38.899570 °
				-121.802229 °	-121.802229 °
DWR ID	DWR_RD1500_01_f_2019_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes near the landside toe. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	18.38	Rating **	A/W	Issue No.	80
LM End	19.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.901337 °	38.902721 °
				-121.801175 °	-121.790677 °
DWR ID	DWR_RD1500_01_f_2018_80				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 104.0 L Status: Eroding 2017 Field Notes: Bank slope is relatively stable. Site History: 1997 - Pocket failures of cobble revetment toe; scallops of rock loss along the bank; irregular bankline developing. 2001 - Small scallops in the toe of the berm. 2005 - Still multiple erosion pockets in the toe. 2006 - Two new small slumps. 2011 - Old cobble continue to fail causing minor slumping. 2012 - Portions of site appears to be stabilizing. 2016- Cobble revetment continues to fail.					

Photo 1 of 1 : SP_2020_RD1500_189_80_20200228_00029.jpg



USACE 2013 Photo #1

LM Start	18.40	Rating **	M	Issue No.	60
LM End	18.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.900986 °	38.900279 °
				-121.800993 °	-121.792889 °
DWR ID	DWR_RD1500_01_s_2020_60				
Comment Code					
DT : Ditch					
Inspector Comment					
Irrigation ditch within the landside easement.					

Photo 1 of 1 : SP_2020_RD1500_189_60_20200319_00201.jpg



View of the ditch at the landside toe. Spring 2020.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	18.40	Rating **	M	Issue No.	2576 (cont)
LM End	18.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.900885 °	38.900885 °
				-121.800999 °	-121.800999 °
DWR ID	20068				

Photo 3 of 3 : UCIP_SP_2020_28505_52515.jpg



LS view: siphon breaker (left) on exposed steel pipe on levee slope. Concrete pad (right) on levee shoulder.

LM Start	18.98	Rating **	M	Issue No.	36
LM End	18.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.901570 °	38.901570 °
				-121.791235 °	-121.791235 °
DWR ID	DWR_RD1500_01_s_2012_36				
Comment Code					
BU : Building					
Inspector Comment					
Building and concrete retaining wall are located at the toe of landside levee. The retaining wall is permitted (Permit #10065) but the building is not.					

Photo 1 of 1 : SP_2020_RD1500_189_36_20200228_00014.jpg



View of the building on the landward side of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	18.98	Rating **	M	Issue No.	37
LM End	19.06	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.901659 °	38.902528 °	
			-121.791264 °	-121.790434 °	
DWR ID	DWR_RD1500_01_s_2012_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The groundcover is on the levee slope above the concrete retaining wall. The groundcover is irrigated.					

Photo 1 of 2 : SP_2020_RD1500_189_37_20200228_00015.jpg



View of the groundcover on the levee slope above the concrete retaining wall.

LM Start	18.98	Rating **	M	Issue No.	37 (cont)
LM End	19.06	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2020_RD1500_189_37_20200228_00016.jpg



View of the groundcover on the landward side of the levee looking upstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	19.16	Rating **	A/W	Issue No.	81
LM End	19.47	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey		38.904041 °	38.906697 °	
			-121.790298 °	-121.792796 °	
DWR ID	DWR_RD1500_01_f_2018_81				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 104.5 L Status: Eroding 2017 Field Notes: Site appears stable. Site History: 1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion.					

Photo 1 of 1 : SP_2020_RD1500_189_81_20200228_00030.jpg



USACE 2013 Photo #1

LM Start	19.23	Rating **	M	Issue No.	2577
LM End	19.23	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.905029 °	38.905029 °	
			-121.790076 °	-121.790076 °	
DWR ID	20087				
Comment Code					
Inspector Comment					
DS_ID:20087 FS_ID:28506 EP_NO: 550 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on landside slope. Oil leaks from the pump. FIELD_STRUCT_DESC: 14-inch coated steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Two concrete cutoff walls. Slant pump and gate valve in a corrugated metal pump house on a steel structure on the berm. Water meter installed on the pipe on the waterside (WS) slope. Screw gate at the landside (LS) end. Concrete distribution box on the LS. (Installation of a pump and a 14-inch steel discharge pipe through the levee authorized under Permit No. 550, 1931 - P. J. Hiatt. Replacement of a failing 14-inch pipe with the same size pipe through the levee authorized under Permit No. 17648, 2003 - Van Ruiten Brothers). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 128, March 1960, (HLM 19.44)]. FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2020_28506_52523.jpg



WS view: slant pump in CM shed on levee berm. Oil leaks from the pump.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	19.47	Rating **	M	Issue No.	2578 (cont)
LM End	19.47	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.907033 °	38.907033 °	
			-121.792943 °	-121.792943 °	
DWR ID	20004				

Photo 3 of 3 : UCIP_SP_2020_28524_52549.jpg



LS view: concrete distribution box on levee toe.

LM Start	19.47	Rating **	M	Issue No.	2579
LM End	19.47	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.907028 °	38.907028 °	
			-121.792959 °	-121.792959 °	
DWR ID	20022				

Photo 1 of 3 : UCIP_SP_2020_28927_53216.jpg



WS view: pipe, walkway, slant pump, and steel platform on levee berm.

Comment Code					
Inspector Comment					
DS_ID:20022 FS_ID:28927 EP_NO: 15681 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Obstructed siphon breakers on landside. Two 3-inch conduit through the levee. Service box on pump platform. Pumping plant was working during the field visit. FIELD_STRUCT_DESC: 2 of 2: 20-inch steel irrigation discharge pipe, asphalt coated inside and out and wrapped with asphalt saturated felt, through the levee, 1.5 feet below the crown. Cutoff wall at the centerline of the levee. Two slant pumps supported by a steel piling structure on the riverbank. Steel walkway to the pump platform. Siphon breakers in steel pipe risers on the landside (LS) shoulder. Pipe discharges into a concrete discharge box off the LS toe. (Installation of a discharge pipe through the levee and a slant pump on the riverbank authorized under Permit No. 15681, 1991 - Blackfraires Investment). FS Date: 1/14/2014					

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	19.47	Rating **	M	Issue No.	2579 (cont)
LM End	19.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.907028 °	38.907028 °
				-121.792959 °	-121.792959 °
DWR ID	20022				

Photo 2 of 3 : UCIP_SP_2020_28927_53215.jpg



LS view: siphon breakers in steel pipe risers (bottom) on levee slope and concrete distribution (top) box on levee toe.

LM Start	19.47	Rating **	M	Issue No.	2579 (cont)
LM End	19.47	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28927_53214.jpg



LS view: concrete distribution box on levee toe.

LM Start	19.56	Rating **	M	Issue No.	2549
LM End	19.56	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.906565 °	38.906565 °
				-121.794472 °	-121.794472 °
DWR ID	DWR_RD1500_01_s_2015_2549				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_2549_20200228_00064.jpg



View of the equipment on the waterward side of the levee looking upstream. Spring 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	20.97	Rating **	M	Issue No.	123
LM End	21.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.910885 °	38.913199 °
				-121.804603 °	-121.803256 °
DWR ID	DWR_RD1500_01_s_2018_123				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch within landside easement.					

Photo 1 of 1 : SP_2020_RD1500_189_123_20200228_00050.jpg



View of ditch at the landside toe. Spring 2018.

LM Start	21.26	Rating **	M	Issue No.	2580
LM End	21.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.914659 °	38.914659 °
				-121.803609 °	-121.803609 °
DWR ID	20070				
Comment Code					
Inspector Comment					
DS_ID:20070 FS_ID:28527 EP_NO: 11959A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker (obstructed) in CMP on landside slope. Power pole on landside toe. FIELD_STRUCT_DESC: 10-inch coated and wrapped steel irrigation discharge pipe through the levee, 3 feet below the crown. Corrugated metal cutoff wall. Slant pump on a steel platform at the riverbank. Obstructed siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a 6-foot by 6-foot concrete distribution box on the LS. (Replacement of an existing 10-inch steel pipe with a new 10-inch steel pipe through the levee authorized under Permit No. 11959-A, 1977 - George Van Ruiten Jr.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 21.50)]. FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2020_28527_52568.jpg



WS view: slant pump on steel platform on levee berm.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	21.26	Rating **	M	Issue No.	2580 (cont)
LM End	21.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.914659 °	38.914659 °
				-121.803609 °	-121.803609 °
DWR ID	20070				

Photo 2 of 3 : UCIP_SP_2020_28527_52567.jpg



LS view: siphon breaker in CMP riser on levee slope (bottom) and concrete distribution box (top) on levee toe.

LM Start	21.26	Rating **	M	Issue No.	2580 (cont)
LM End	21.26	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28527_52566.jpg



LS view: obstructed siphon breaker in CMP riser on levee slope.

LM Start	21.30	Rating **	M	Issue No.	140
LM End	21.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.914846 °	38.916180 °
				-121.803692 °	-121.808850 °
DWR ID	DWR_RD1500_01_f_2016_140				
Comment Code					
DT : Ditch					
Inspector Comment					
There is an old ditch at the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	21.58	Rating **	M	Issue No.	120
LM End	21.58	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.916207 °	38.916207 °	
			-121.808893 °	-121.808893 °	
DWR ID	DWR_RD1500_01_s_2018_120				
Comment Code					
PI : Pipe					
Inspector Comment					
There is erosion around landowner's PVC standpipe.					

Photo 1 of 1 : SP_2020_RD1500_189_120_20200228_00049.jpg



View of erosion around PVC standpipe. Spring 2018.

LM Start	21.58	Rating **	M	Issue No.	2581
LM End	21.58	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.916180 °	38.916180 °	
			-121.808904 °	-121.808904 °	
DWR ID	20071				
Comment Code					
Inspector Comment					
DS_ID:20071 FS_ID:28528 EP_NO: 10063 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Water leaks near pump. Obstructed siphon breaker in CMP on landside.Plant was working during field visit. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 6.3 feet below the crown. Corrugated metal cutoff wall. 1.5-inch conduit through the levee, 6.5 feet below the crown. Slant pump and gate valve on riverbank. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. 5-foot by 5-foot concrete distribution box on the LS. CMP standpipe on the LS toe. Power pole and one anchor at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 10063, 1974 - Thomas L. Nelson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 21.83)]. FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2020_28528_52576.jpg



WS view: slant pump on steel platform on levee berm. Exposed steel pipe with gate valve also on levee berm.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	22.73	Rating **	M	Issue No.	2582
LM End	22.73	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.919717 °	38.919717 °	
			-121.829113 °	-121.829113 °	
DWR ID	19995				
Comment Code					
Inspector Comment					
DS_ID:19995 FS_ID:28583 EP_NO: 10851 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Exposed conduit on both slopes of the levee. Plant was working during field visit. Water was leaking from pipe joint near pump. Obstructed siphon breaker in CMP. FIELD_STRUCT_DESC: [Pumping Plant No. 2] 14-inch steel irrigation discharge pipe through the levee, 6.2 feet below the crown. Corrugated metal cutoff wall. 2-inch conduit through the levee, 5 feet below the crown. Pump and gate valve on a steel platform at the riverbank. Switch panel on the berm. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Pipe discharges into a 36-inch CMP standpipe at the LS toe. Meter pole at the LS toe. (Installation of three centrifugal pumps authorized under Permit No. 2895, 1958 - George Van Ruiten). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 128, March 1960, (HLM 23.00), 14-inch pipe referenced]. FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2020_28583_52627.jpg



WS view: slant pump on steel platform on levee berm.

LM Start	22.73	Rating **	M	Issue No.	2582 (cont)
LM End	22.73	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28583_52626.jpg



WS view: gate valve beneath slant pipe on levee berm. Water leaking from this pipe (marked).

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	22.73	Rating **	M	Issue No.	2582 (cont)
LM End	22.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.919717 °	38.919717 °
				-121.829113 °	-121.829113 °
DWR ID	19995				

Photo 3 of 3 : UCIP_SP_2020_28583_52625.jpg



LS view: siphon breaker in CMP riser on levee slope (bottom) and CMP stand pipe (top) on levee toe.

LM Start	23.65	Rating **	U	Issue No.	2583
LM End	23.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.930242 °	38.930242 °
				-121.834956 °	-121.834956 °
DWR ID	20072				

Comment Code

Inspector Comment

DS_ID:20072
 FS_ID:53023
 EP_NO: 2895
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 10/18/2018 WS levee slope was disturbed to perform pipe maintenance. Unable to locate a permit for this work. Crossing remains "Urgent" due to soil disturbance on WS levee slope. (O.Yakimov - DWR UCIP)Most of the pipe exposed on levee slopes. Leaky pump. Obstructed siphon breaker. Not found- Concrete headwall at landward toe.
 FIELD_STRUCT_DESC: [Pumping Plant No. 1] 14-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Corrugated metal cutoff wall. 1.5-inch conduit through the levee, 4 feet below the crown. Slant pump and control panel on steel structure on the berm. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. 36-inch concrete standpipe at the LS toe. Concrete headwall at the LS toe. Meter pole at the LS toe. (Installation of three centrifugal pumps authorized under Permit No. 2895, 1958 - George Van Ruiten). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 23.92), 24-inch pipe referenced].
 FS Date: 10/18/2018 8:01:23 AM

Photo 1 of 3 : UCIP_SP_2020_53023_78166.jpg



WS levee slope was excavated to do pipe maintenance, photo courtesy of Zach Jojola.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	23.65	Rating **	U	Issue No.	2583 (cont)
LM End	23.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.930242 °	38.930242 °
				-121.834956 °	-121.834956 °
DWR ID	20072				

Photo 2 of 3 : UCIP_SP_2020_53023_78167.jpg



Levee crown view: WS levee slope was excavated to do pipe maintenance, photo courtesy of Zach Jojola.

LM Start	23.65	Rating **	U	Issue No.	2583 (cont)
LM End	23.65	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_53023_77546.jpg



WS view: Currently installing a new meter. Still needs backfill. Levee inspector: Zachary Jojola.

LM Start	23.65	Rating **	M	Issue No.	112
LM End	23.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.930239 °	38.930239 °
				-121.834972 °	-121.834972 °
DWR ID	DWR_RD1500_01_s_2018_112				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff on the waterside slope.					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	23.69	Rating **	C	Issue No.	75
LM End	23.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.930802 °	38.930802 °
				-121.834822 °	-121.834822 °
DWR ID	DWR_RD1500_01_f_2019_75				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Fill tire ruts on the crown.					

No Photos

LM Start	23.77	Rating **	M	Issue No.	42
LM End	23.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.931838 °	38.931838 °
				-121.834437 °	-121.834437 °
DWR ID	DWR_RD1500_01_s_2012_42				
Comment Code					
EQ : Equipment					
Inspector Comment					
Some equipment is located at the landside toe.					

Photo 1 of 1 : SP_2020_RD1500_189_42_20200228_00018.jpg



View of the barn and equipment on the landward side of the levee looking downstream. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	24.31	Rating **	M	Issue No.	2584 (cont)
LM End	24.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.938431 °	38.938431 °
				-121.829350 °	-121.829350 °
DWR ID	24757				

Photo 2 of 3 : UCIP_SP_2020_28603_52666.jpg



WS view: leaky pipe near pump platform. Pipe leaks from the joint.

LM Start	24.31	Rating **	M	Issue No.	2584 (cont)
LM End	24.31	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28603_52665.jpg



LS view: siphon breaker in CMP riser on levee slope (bottom) and concrete distribution box (top) on levee toe.

LM Start	24.50	Rating **	M	Issue No.	76
LM End	24.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.940769 °	38.940769 °
				-121.830856 °	-121.830856 °
DWR ID	DWR_RD1500_01_f_2019_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	24.57	Rating **	M	Issue No.	102
LM End	24.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.941361 °	38.941361 °	
			-121.831899 °	-121.831899 °	
DWR ID	DWR_RD1500_01_f_2018_102				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes at the landside toe.					

No Photos

LM Start	25.04	Rating **	A/W	Issue No.	77
LM End	25.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.946748 °	38.946748 °	
			-121.835708 °	-121.835708 °	
DWR ID	DWR_RD1500_01_f_2019_77				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole on the landside slope.					

No Photos

LM Start	25.07	Rating **	C	Issue No.	78
LM End	25.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.947188 °	38.947188 °	
			-121.835656 °	-121.835656 °	
DWR ID	DWR_RD1500_01_f_2019_78				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	25.49	Rating **	M	Issue No.	2585
LM End	25.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.952803 °	38.952803 °	
			-121.837618 °	-121.837618 °	
DWR ID	20074				
Comment Code					
Inspector Comment					
DS_ID:20074 FS_ID:41728 EP_NO: 8765 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burried Concrete headwall on landside toe. Should verify pipe has been properly abandoned. Utility tag plate on waterside shoulder. No pipe found. FIELD_STRUCT_DESC: *ABANDONED* 48-inch by 48-inch reinforced concrete box irrigation discharge culvert through the levee, 10 feet below the crown. (48-inch by 48-inch concrete culvert retained under Permit No. 9175, 1973 - David S. Lewis, DBA Broomieside Farms. To sleeve a 20-inch steel irrigation discharge pipe through the existing concrete culvert from a new slant-type pumping facility authorized under Permit No. 8765, 1973 - David S. Lewis, DBA Broomieside Farms. The 20-inch discharge pipe will be enclosed in a 30-inch, 0.375-inch wall steel pipe.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 25.80)]. FS Date: 1/15/2014					

Photo 1 of 2 : UCIP_SP_2020_41728_52673.jpg



WS view: utility tag plate on waterside shoulder. No pipe found.

LM Start	25.49	Rating **	M	Issue No.	2585 (cont)
LM End	25.49	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2020_41728_52672.jpg



LS view: concrete headwall on landside toe. 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	25.56	Rating **	M	Issue No.	95
LM End	25.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.953874 °	38.956092 °	
			-121.838111 °	-121.836520 °	
DWR ID	DWR_RD1500_01_s_2020_95				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	26.52	Rating **	M	Issue No.	2586
LM End	26.52	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.964915 °	38.964915 °	
			-121.833675 °	-121.833675 °	
DWR ID	20014				
Comment Code					
Inspector Comment					
DS_ID:20014 FS_ID:28629 EP_NO: 10057 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: May need proper abandonment. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel irrigation discharge pipe through the levee, 7.1 feet below the crown. Two corrugated metal cutoff walls. Siphon breakers in 24-inch and 30-inch corrugated metal pipe (CMP) risers on the landside (LS) shoulder. 2-inch conduit through the levee. Installed by USACE in 1958. Wooden walkway to two slant pumps on a steel pile structure on berm. Meter pole and switch panel at the LS toe. (Steel discharge pipes, slant pumps, and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10057, 1974 - David S. Lewis, care of Broomieside Farms, [RM 112.06]. Moved to HLM 26.50 under Permit No. 16165, 1994 - Pelger Mutual Water Company/Murray, Burns, and Kienlen). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 128, March 1960, (HLM 26.84)]. FS Date: 1/15/2014					

Photo 1 of 2 : UCIP_SP_2020_28629_52709.jpg



WS view: abandoned 24" and 30" steel pipe on river bank.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	26.52	Rating **	M	Issue No.	2586 (cont)	
LM End	26.52	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			38.964915 °	38.964915 °	
				-121.833675 °	-121.833675 °	
DWR ID	20014					

Photo 2 of 2 : UCIP_SP_2020_28629_52708.jpg



LS view: abandoned CMP risers on levee toe.

LM Start	26.52	Rating **	M	Issue No.	2587	
LM End	26.52	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			38.964931 °	38.964931 °	
				-121.833682 °	-121.833682 °	
DWR ID	20013					

Comment Code

Inspector Comment

DS_ID:20013
 FS_ID:28628
 EP_NO: 10057
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: May need proper abandonment.
 FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 30-inch steel irrigation discharge pipe through the levee, 7.1 feet below the crown. Two corrugated metal cutoff walls. Siphon breakers in 24-inch and 30-inch corrugated metal pipe (CMP) risers on the landside (LS) shoulder. 2-inch conduit through the levee. Installed by USACE in 1958. Wooden walkway to two slant pumps on a steel pile structure on berm. Meter pole and switch panel at the LS toe. (Steel discharge pipes, slant pumps, and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10057, 1974 - David S. Lewis, care of Broomieside Farms, [RM 112.06]. Moved to HLM 26.50 under Permit No. 16165, 1994 - Pelger Mutual Water Company/Murray, Burns, and Kienlen). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 128, March 1960, (HLM 26.84)].
 FS Date: 1/15/2014

Photo 1 of 2 : UCIP_SP_2020_28628_52705.jpg



WS view: abandoned 24" and 30" steel pipe on river bank.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	26.52	Rating **	M	Issue No.	2587 (cont)
LM End	26.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.964931 °	38.964931 °
				-121.833682 °	-121.833682 °
DWR ID	20013				

Photo 2 of 2 : UCIP_SP_2020_28628_52704.jpg



LS view: abandoned CMP risers on levee toe.

LM Start	26.74	Rating **	M	Issue No.	2588
LM End	26.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.968093 °	38.968093 °
				-121.833708 °	-121.833708 °
DWR ID	20015				

Comment Code

Inspector Comment

DS_ID:20015
 FS_ID:28631
 EP_NO: 10052
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Obstructed siphon breaker. Leaky pump.
 FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 7.1 feet below the crown. Corrugated metal cutoff wall. 2-inch conduit through the levee, 5.5 feet below the crown. Wooden walkway to slant pump and gate valve on wooden pump platform mounted on a steel pile structure on the berm. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Meter pole at the LS toe. (18-inch steel irrigation discharge pipe through the levee, slant pump, and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10052, 1974 - Clifton Lamb, [RM 112.29]). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 128, March 1960, (HLM 27.07)].
 FS Date: 1/15/2014

Photo 1 of 3 : UCIP_SP_2020_28631_52720.jpg



WS view: slant pump and gate valves on wooden platform at levee berm. Wooden walkway to the pump.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	26.74	Rating **	M	Issue No.	2588 (cont)
LM End	26.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.968093 °	38.968093 °
				-121.833708 °	-121.833708 °
DWR ID	20015				

Photo 2 of 3 : UCIP_SP_2020_28631_52719.jpg



LS view: siphon breaker in CMP riser on levee slope (bottom) and concrete distribution box on levee toe.

LM Start	26.74	Rating **	M	Issue No.	2588 (cont)
LM End	26.74	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28631_52721.jpg



LS view: obstructed siphon breaker in CMP riser on levee slope.

LM Start	26.99	Rating **	M	Issue No.	100
LM End	27.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.970939 °	38.972487 °
				-121.831034 °	-121.826108 °
DWR ID	DWR_RD1500_01_s_2020_100				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_100_20200319_00199.jpg



View of the ditch at the landside toe. Spring 2020.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	27.31	Rating **	M	Issue No.	983
LM End	27.44	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.972552 °	38.972924 °	
			-121.825574 °	-121.823198 °	
DWR ID	DWR_RD1500_01_s_2015_983				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_983_20200228_00063.jpg



View of the ditch on the landward side of the levee looking downstream. Spring 2016.

LM Start	27.61	Rating **	M	Issue No.	94
LM End	27.61	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.974258 °	38.974258 °	
			-121.820587 °	-121.820587 °	
DWR ID	DWR_RD1500_01_f_2018_94				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs are dug into the landside slope.					

Photo 1 of 1 : SP_2020_RD1500_189_94_20200228_00037.jpg



View of stairs on the landside slope. Fall 2018.

LM Start	28.15	Rating **	M	Issue No.	103
LM End	28.15	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.982060 °	38.982060 °	
			-121.820013 °	-121.820013 °	
DWR ID	DWR_RD1500_01_s_2020_103				
Comment Code					
PO : Pole					
Inspector Comment					
Abandoned pole on the landside slope.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	28.16	Rating **	M	Issue No.	96
LM End	28.16	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.982180 °	38.982180 °	
			-121.819979 °	-121.819979 °	
DWR ID	DWR_RD1500_01_s_2018_96				
Comment Code					
ST : Stairway					
Inspector Comment					
Steps are dug out on the landside levee slope.					

Photo 1 of 1 : SP_2020_RD1500_189_96_20200228_00038.jpg



View of steps on the landside slope. Spring 2018.

LM Start	28.23	Rating **	M	Issue No.	38
LM End	29.23	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.983119 °	38.988538 °	
			-121.819923 °	-121.806445 °	
DWR ID	DWR_RD1500_01_s_2012_38				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_38_20200228_00017.jpg



View of the ditch on the landward side of the levee looking upstream. Spring 2016.

LM Start	28.23	Rating **	M	Issue No.	92
LM End	28.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.983221 °	38.983221 °	
			-121.819895 °	-121.819895 °	
DWR ID	DWR_RD1500_01_f_2018_92				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are located at the landside toe.					

Photo 1 of 1 : SP_2020_RD1500_189_92_20200228_00036.jpg



View of rodent holes on the landside slope. Fall 2018.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	28.30	Rating **	M	Issue No.	135
LM End	28.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.984158 °	38.984158 °
				-121.819868 °	-121.819868 °
DWR ID	DWR_RD1500_01_s_2019_135				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Active rodent holes are at the landside toe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	29.91	Rating **	M	Issue No.	2590 (cont)
LM End	29.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.993006 °	38.993006 °
				-121.796025 °	-121.796025 °
DWR ID	20084				

Photo 2 of 3 : UCIP_SP_2020_50201_52854.jpg



LS view: siphon breakers in CMP riser on levee slope and distribution box on levee toe.

LM Start	29.91	Rating **	M	Issue No.	2590 (cont)
LM End	29.91	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_50201_52853.jpg



LS view: obstructed and leaky siphon breaker in CMP riser on levee slope.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	30.07	Rating **	M	Issue No.	2591 (cont)
LM End	30.07	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.994988 °	38.994988 °
				-121.794484 °	-121.794484 °
DWR ID	20107				

Photo 3 of 3 : UCIP_SP_2020_50193_51825.jpg



WS view: excessive vegetation along pipe alignment on levee slope.

LM Start	30.22	Rating **	M	Issue No.	45
LM End	30.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997027 °	38.997027 °
				-121.794755 °	-121.794755 °
DWR ID	DWR_RD1500_01_s_2012_45				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_45_20200228_00019.jpg



View of the groundcover on the landward side of the levee looking downstream. Spring 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	30.60	Rating **	A/W	Issue No.	82
LM End	30.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.999745 °	39.001413 °
				-121.800898 °	-121.802889 °
DWR ID	DWR_RD1500_01_f_2018_82				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 116.0 L Status: Eroding 2017 Field Notes: Minor new erosion throughout the site. Site History: 2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2016 - Fresh erosion on lower bank.					

Photo 1 of 1 : SP_2020_RD1500_189_82_20200228_00031.jpg



USACE 2013 Photo #1

LM Start	30.87	Rating **	M	Issue No.	2592
LM End	30.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.002960 °	39.002960 °
				-121.803736 °	-121.803736 °
DWR ID	20000				
Comment Code					
Inspector Comment					
DS_ID:20000 FS_ID:28144 EP_NO: 15916 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion due to leaky pressure breaker on landside slope. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, at an unknown depth. Waterside (WS) pump not mentioned in the Levee Log. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a 6-foot by 8-foot, inside dimensions, concrete distribution box at the LS toe. Installed by USACE in 1951. (12-inch steel irrigation discharge pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10034, 1974 - Leslie A. Butler. Replacement of the existing 12-inch discharge pipe with a new 18-inch discharge pipe through the levee authorized under Permit No. 15916, 1992 - Leslie A. Butler). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 128, March 1960, (HLM 31.26)]. FS Date: 1/15/2014					

Photo 1 of 3 : UCIP_SP_2020_28144_51812.jpg



WS view: pump in CM pump house on levee shoulder. Looks abandoned.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	30.87	Rating **	M	Issue No.	2592 (cont)
LM End	30.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.002960 °	39.002960 °
				-121.803736 °	-121.803736 °
DWR ID	20000				

Photo 2 of 3 : UCIP_SP_2020_28144_51811.jpg



LS view: obstructed and leaked pressure breaker in CMP on levee slope.

LM Start	30.87	Rating **	M	Issue No.	2592 (cont)
LM End	30.87	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_28144_51815.jpg



LS view: corroded flap gate in concrete distribution box.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	31.61	Rating **	M	Issue No.	2593
LM End	31.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.006484 °	39.006484 °	
			-121.816168 °	-121.816168 °	
DWR ID	20077				
Comment Code					
Inspector Comment					
DS_ID:20077 FS_ID:28143 EP_NO: 9657 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Looks abandoned. May need proper abandonment. Overhead power line. FIELD_STRUCT_DESC: *ABANDONED* 20-inch steel irrigation discharge pipe through the levee, 15 feet below the crown. Wooden step and walkway to vertical pump on pile structure in the river. Slide gate in a 2.5-foot by 3-foot, inside dimensions, riser. Concrete distribution box on the waterside (WS) slope. Switch panel on the berm. Pipe discharges into a 36-inch, inside diameter, concrete standpipe on the landside (LS). Installed by USACE in 1947. (Replacement of a section of 24-inch irrigation pipe through the levee authorized under Permit No. 9657, 1974 - Clyde M. Bell. 1.5-foot by 2-foot concrete culvert through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10030, 1974 - Clyde M. Bell. Replacement of a cracked concrete pipe with a steel pipe at the LS toe authorized under Permit No. 13536, 1982 - Niechen N. V., Alfred Montna, Manager. Replacement of approximately 90 feet of 18-inch pipe in the overflow area of the Sacramento River with new steel pipe authorized under Permit No. 13941, 1984 - Niechen N. V., Alfred Montna, Manager). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 32.02), 2-foot by 2-foot concrete culvert referenced]. FS Date: 1/15/2014					

Photo 1 of 3 : UCIP_SP_2020_28143_51805.jpg



WS view: concrete surge box on levee slope.

LM Start	31.61	Rating **	M	Issue No.	2593 (cont)
LM End	31.61	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_28143_51804.jpg



WS view: abandoned walkway, pipe, and pump on river bank.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	31.61	Rating **	M	Issue No.	2593 (cont)
LM End	31.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006484 °	39.006484 °
				-121.816168 °	-121.816168 °
DWR ID	20077				

Photo 3 of 3 : UCIP_SP_2020_28143_51803.jpg



LS view: concrete standpipe on levee toe.

LM Start	31.79	Rating **	M	Issue No.	122
LM End	31.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.007007 °	39.007344 °
				-121.819433 °	-121.820003 °
DWR ID	DWR_RD1500_01_s_2020_122				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	32.25	Rating **	M	Issue No.	130
LM End	32.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.011526 °	39.015591 °
				-121.825603 °	-121.823461 °
DWR ID	DWR_RD1500_01_s_2020_130				
Comment Code					
DT : Ditch					
Inspector Comment					
Irrigation ditch at the landside toe.					

Photo 1 of 1 : SP_2020_RD1500_189_130_20200319_00200.jpg



View of the ditch within the landside easement. Spring 2020.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	32.55	Rating **	M	Issue No.	2594 (cont)
LM End	32.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.015277 °	39.015277 °
				-121.823735 °	-121.823735 °
DWR ID	20018				

Photo 3 of 3 : UCIP_SP_2020_28943_53220.jpg



LS view: steel pipe in concrete distribution box on levee toe.

LM Start	32.84	Rating **	M	Issue No.	110
LM End	32.84	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.018852 °	39.018852 °
				-121.820766 °	-121.820766 °
DWR ID	DWR_RD1500_01_f_2017_110				
Comment Code					
DE : Debris					
Inspector Comment					
There is an abandoned pipe on the waterside slope.					

No Photos

LM Start	32.96	Rating **	M	Issue No.	46
LM End	32.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.020550 °	39.020550 °
				-121.820315 °	-121.820315 °
DWR ID	DWR_RD1500_01_s_2012_46				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_46_20200228_00020.jpg



The building is within the easement of the levee 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	32.98	Rating **	M	Issue No.	144
LM End	32.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.020782 °	39.020782 °	
			-121.820275 °	-121.820275 °	
DWR ID	DWR_RD1500_01_s_2017_144				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is runoff erosion on the landside slope.					

Photo 1 of 1 : SP_2020_RD1500_189_144_20200228_00057.jpg



View of erosion on landside slope. Spring 2017.

LM Start	32.98	Rating **	M	Issue No.	107
LM End	32.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.020874 °	39.020874 °	
			-121.820266 °	-121.820266 °	
DWR ID	DWR_RD1500_01_f_2016_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_189_107_20200228_00041.jpg



View of rodent burrows on landside slope. Fall 2016.

LM Start	32.99	Rating **	A/W	Issue No.	106
LM End	32.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.021016 °	39.021016 °	
			-121.820261 °	-121.820261 °	
DWR ID	DWR_RD1500_01_f_2016_106				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/17/2020 03/18/2020	Zach Jojola

LM Start	33.13	Rating **	M	Issue No.	2595 (cont)
LM End	33.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022938 °	39.022938 °
				-121.820717 °	-121.820717 °
DWR ID	20080				

Photo 3 of 3 : UCIP_SP_2020_28953_53254.jpg



WS view: oil and water leaking from pipe near pump.

LM Start	33.13	Rating **	M	Issue No.	2596
LM End	33.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022956 °	39.022956 °
				-121.820716 °	-121.820716 °
DWR ID	24758				

Comment Code

Inspector Comment

DS_ID:24758
 FS_ID:28952
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Not found- slide gate in 54 inch corrugated metal riser on waterside berm. Two 16-inch steel pipes (looks new). Leaky pipe near pump. Plant was working during field visit. Needs more info from LMA. There may be a new permit.
 FIELD_STRUCT_DESC: 2 of 2: 16-inch steel irrigation discharge pipe through the levee, at an unknown depth. Two slant pumps on a steel platform and under the shed. Two air vents on the waterside (WS) levee shoulder. Two pipes with gate valves discharge water into irrigation ditch on the landside (LS). Meter pole on landside toe.
 Previously only a 30-inch steel pipe through the levee and a slide gate in a corrugated metal pipe (CMP) riser on the WS. (Removal of existing structure in river, installation of an incline structure next to the levee with new slant pumps, connected to existing discharge pipe authorized under Permit Nos. 5617, 1967 - Adda Seamans, and 5617-A, 1968 - Oji Brothers Farm, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 33.56), 36-inch pipe referenced].
 FS Date: 1/15/2014

Photo 1 of 3 : UCIP_SP_2020_28952_53249.jpg



WS view: pump platform and shed on levee berm.

* 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**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles
Unit No. 02 Sutter Bypass	Right	20.72

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/18/2020 - 3/18/2020			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	12
LM End	0.00	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.761121 °	38.761121 °	
			-121.674592 °	-121.674592 °	
DWR ID	DWR_RD1500_02_s_2012_12				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_190_12_20200319_00042.jpg



View of equipment on the waterside shoulder. Spring 2020.

LM Start	0.02	Rating **	M	Issue No.	21
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.761318 °	38.782981 °	
			-121.674345 °	-121.655621 °	
DWR ID	DWR_RD1500_02_s_2020_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.13	Rating **	M	Issue No.	16
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.762429 °	38.762564 °	
			-121.672920 °	-121.672771 °	
DWR ID	DWR_RD1500_02_f_2018_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are multiple holes on the landside slope.					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	0.15	Rating **	M	Issue No.	22
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.762643 °	38.782981 °	
			-121.672670 °	-121.655621 °	
DWR ID	DWR_RD1500_02_s_2020_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.92	Rating **	A/W	Issue No.	39
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.783865 °	38.783865 °	
			-121.655170 °	-121.655170 °	
DWR ID	20020				
Comment Code					
Inspector Comment					
DS_ID:20020 FS_ID:28886 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 1 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014					

Photo 1 of 3 : UCIP_SP_2020_28886_53098.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	39 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.783865 °	38.783865 °	
			-121.655170 °	-121.655170 °	
DWR ID	20020				

Photo 2 of 3 : UCIP_SP_2020_28886_53096.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

LM Start	1.92	Rating **	A/W	Issue No.	39 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_28886_53097.jpg



LS view: pump house at the end of levee berm.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	40
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.783885 °	38.783885 °	
			-121.655158 °	-121.655158 °	
DWR ID	20027				
Comment Code					
Inspector Comment					
DS_ID:20027 FS_ID:28883 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 2 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014					

Photo 1 of 3 : UCIP_SP_2020_28883_53085.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

LM Start	1.92	Rating **	A/W	Issue No.	40 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_28883_53083.jpg



WS view: motorized slide gates in CM shed on levee 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	40 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.783885 °	38.783885 °	
			-121.655158 °	-121.655158 °	
DWR ID	20027				

Photo 3 of 3 : UCIP_SP_2020_28883_53084.jpg



LS view: pump house at the end of levee berm.

LM Start	1.92	Rating **	A/W	Issue No.	41
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.783904 °	38.783904 °	
			-121.655149 °	-121.655149 °	
DWR ID	20028				

Comment Code

Inspector Comment

DS_ID:20028
 FS_ID:28884
 EP_NO: N/A
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
 FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 3 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].
 FS Date: 1/21/2014

Photo 1 of 3 : UCIP_SP_2020_28884_53089.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	41 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783904 °	38.783904 °
				-121.655149 °	-121.655149 °
DWR ID	20028				

Photo 2 of 3 : UCIP_SP_2020_28884_53088.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

LM Start	1.92	Rating **	A/W	Issue No.	41 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2020_28884_53099.jpg



LS view: pump house at the end of levee berm.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	42
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.783924 °	38.783924 °	
			-121.655140 °	-121.655140 °	
DWR ID	20029				
Comment Code					
Inspector Comment					
DS_ID:20029 FS_ID:28885 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 4 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014					

Photo 1 of 3 : UCIP_SP_2020_28885_53095.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

LM Start	1.92	Rating **	A/W	Issue No.	42 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_28885_53094.jpg



WS view: motorized slide gates in CM shed on levee 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	42 (cont)
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783924 °	38.783924 °
				-121.655140 °	-121.655140 °
DWR ID	20029				

Photo 3 of 3 : UCIP_SP_2020_28885_53093.jpg



LS view: pump house at the end of levee berm.

LM Start	1.93	Rating **	A/W	Issue No.	43
LM End	1.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784097 °	38.784097 °
				-121.655073 °	-121.655073 °
DWR ID	20019				

Photo 1 of 3 : UCIP_SP_2020_28954_53260.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Comment Code					
Inspector Comment					
DS_ID:20019 FS_ID:28954 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 1 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014					

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	44 (cont)
LM End	1.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784111 °	38.784111 °
				-121.655067 °	-121.655067 °
DWR ID	20025				

Photo 3 of 3 : UCIP_SP_2020_28955_53264.jpg



WS view: USED Bench Mark on concrete structure at levee shoulder.

LM Start	1.93	Rating **	A/W	Issue No.	45
LM End	1.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784127 °	38.784127 °
				-121.655057 °	-121.655057 °
DWR ID	20026				

Photo 1 of 3 : UCIP_SP_2020_28956_53269.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Comment Code					
Inspector Comment					
DS_ID:20026 FS_ID:28956 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 3 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014					

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	46 (cont)
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784783 °	38.784783 °
				-121.654791 °	-121.654791 °
DWR ID	20088				

Photo 3 of 3 : UCIP_SP_2020_28891_53135.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

LM Start	1.98	Rating **	A/W	Issue No.	47
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784818 °	38.784818 °
				-121.654778 °	-121.654778 °
DWR ID	20092				

Photo 1 of 3 : UCIP_SP_2020_28892_53147.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Comment Code					
Inspector Comment					
DS_ID:20092 FS_ID:28892 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 2 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced]. FS Date: 1/21/2014					

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	48
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.784856 °	38.784856 °	
			-121.654762 °	-121.654762 °	
DWR ID	20093				
Comment Code					
Inspector Comment					
DS_ID:20093 FS_ID:28893 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 3 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced]. FS Date: 1/21/2014					

Photo 1 of 3 : UCIP_SP_2020_28893_53157.jpg



WS view: slide gate in concrete box on levee shoulder.

LM Start	1.99	Rating **	A/W	Issue No.	48 (cont)
LM End	1.99	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_28893_53156.jpg



WS view: inside view of concrete box on levee 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	48 (cont)
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784856 °	38.784856 °
				-121.654762 °	-121.654762 °
DWR ID	20093				

Photo 3 of 3 : UCIP_SP_2020_28893_53155.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

LM Start	2.77	Rating **	M	Issue No.	23
LM End	4.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.796046 °	38.820909 °
				-121.654848 °	-121.663630 °
DWR ID	DWR_RD1500_02_s_2020_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.77	Rating **	M	Issue No.	24
LM End	4.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.796046 °	38.820910 °
				-121.654848 °	-121.663630 °
DWR ID	DWR_RD1500_02_s_2020_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	4.62	Rating **	M	Issue No.	25
LM End	9.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.821976 °	38.888607 °	
			-121.663692 °	-121.635952 °	
DWR ID	DWR_RD1500_02_s_2020_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.62	Rating **	M	Issue No.	26
LM End	9.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.821977 °	38.893138 °	
			-121.663691 °	-121.636644 °	
DWR ID	DWR_RD1500_02_s_2020_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.31	Rating **	A/W	Issue No.	20
LM End	8.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.872391 °	38.872391 °	
			-121.642262 °	-121.642262 °	
DWR ID	DWR_RD1500_02_f_2019_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole on the landside slope. Recommend monitoring.					

Photo 1 of 1 : SP_2020_RD1500_190_20_20200228_00010.jpg



View of rodent hole on the landside slope. Fall 2019.

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	9.07	Rating **	A/W	Issue No.	17
LM End	9.07	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.882215 °	38.882215 °	
			-121.635990 °	-121.635989 °	
DWR ID	294-07				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:171 Site Designation:294-07					

No Photos

LM Start	9.47	Rating **	A/W	Issue No.	18
LM End	9.47	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.887933 °	38.887933 °	
			-121.635840 °	-121.635840 °	
DWR ID	294-08				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:170 Site Designation:294-08					

No Photos

LM Start	9.52	Rating **	A/W	Issue No.	19
LM End	9.52	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.888648 °	38.888648 °	
			-121.635940 °	-121.635940 °	
DWR ID	294-114				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:168 Site Designation:294-114					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	9.54	Rating **	A/W	Issue No.	33
LM End	9.54	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.888935 °	38.888935 °	
			-121.635981 °	-121.635980 °	
DWR ID	294-10				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:169 Site Designation:294-10					

No Photos

LM Start	9.55	Rating **	M	Issue No.	27
LM End	9.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.889155 °	38.893091 °	
			-121.636024 °	-121.636636 °	
DWR ID	DWR_RD1500_02_s_2020_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.74	Rating **	A/W	Issue No.	34
LM End	9.74	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.891792 °	38.891792 °	
			-121.636405 °	-121.636410 °	
DWR ID	294-115				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:167 Site Designation:294-115					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	10.25	Rating **	A/W	Issue No.	35
LM End	10.25	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.899209 °	38.899209 °	
			-121.637700 °	-121.637700 °	
DWR ID	294-11				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:172 Site Designation:294-11					

No Photos

LM Start	10.31	Rating **	A/W	Issue No.	36
LM End	10.31	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.900064 °	38.900064 °	
			-121.637850 °	-121.637846 °	
DWR ID	294-12				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:166 Site Designation:294-12					

No Photos

LM Start	10.34	Rating **	A/W	Issue No.	37
LM End	10.34	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		38.900493 °	38.900493 °	
			-121.637920 °	-121.637921 °	
DWR ID	294-13				
Comment Code					
Inspector Comment					
Seepage at the landside toe near irrigation ditch.					
Site ID No:165 Site Designation:294-13					

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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	10.74	Rating **	M	Issue No.	28
LM End	11.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.906139 °	38.913539 °	
			-121.638891 °	-121.640171 °	
DWR ID	DWR_RD1500_02_s_2020_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.74	Rating **	M	Issue No.	29
LM End	11.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.906139 °	38.913539 °	
			-121.638891 °	-121.640171 °	
DWR ID	DWR_RD1500_02_s_2020_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	14.13	Rating **	U	Issue No.	4
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.947628 °	38.947628 °	
			-121.669764 °	-121.669764 °	
DWR ID	DWR_RD1500_02_s_2012_4				
Comment Code					
Inspector Comment					
The concrete pad and the PVC underneath are broken apparently by an attempt to pull out the head of the well.					

Photo 1 of 3 : SP_2020_RD1500_190_4_20200228_00001.jpg



View of underseepage relief well with destroyed concrete pad as well as PVC pipes. Fall 2016.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	14.13	Rating **	U	Issue No.	4 (cont)
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.947628 °	38.947628 °	
			-121.669764 °	-121.669764 °	
DWR ID	DWR_RD1500_02_s_2012_4				

Photo 2 of 3 : SP_2020_RD1500_190_4_20200228_00002.jpg



Another view of damaged well. Fall 2016.

LM Start	14.13	Rating **	U	Issue No.	4 (cont)
LM End	14.13	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2020_RD1500_190_4_20200228_00003.jpg



View of the relief well at historical boil 12. Fall 2015.

LM Start	14.47	Rating **	A/W	Issue No.	11
LM End	14.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.951413 °	38.951413 °	
			-121.673856 °	-121.673856 °	
DWR ID	DWR_RD1500_02_s_2012_11				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_190_11_20200228_00004.jpg



A relief well at historical boil 16. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	15.98	Rating **	M	Issue No.	30
LM End	16.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.966477 °	38.967570 °	
			-121.694044 °	-121.695744 °	
DWR ID	DWR_RD1500_02_s_2020_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	17.47	Rating **	M	Issue No.	31
LM End	17.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.980075 °	38.981116 °	
			-121.715621 °	-121.717293 °	
DWR ID	DWR_RD1500_02_s_2020_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	18.17	Rating **	A/W	Issue No.	13
LM End	18.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.987031 °	38.987031 °	
			-121.725049 °	-121.725049 °	
DWR ID	DWR_RD1500_02_s_2012_13				
Comment Code					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD1500_190_13_20200228_00006.jpg



View of two of four drains on the landward side of the levee. Fall 2015.

* 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 2020

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/18/2020 03/18/2020	Zach Jojola

LM Start	18.17	Rating **	A/W	Issue No.	13 (cont)
LM End	18.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.987031 °	38.987031 °	
			-121.725049 °	-121.725049 °	
DWR ID	DWR_RD1500_02_s_2012_13				

Photo 2 of 2 : SP_2020_RD1500_190_13_20200228_00007.jpg



View of the 4 drains at the levee toe on the landward side. Fall 2015.

LM Start	18.43	Rating **	A/W	Issue No.	15
LM End	18.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Underseepage Relief Wells		38.989962 °	38.989962 °	
			-121.727896 °	-121.727896 °	
DWR ID	DWR_RD1500_02_s_2015_15				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD1500_190_15_20200228_00008.jpg



View of the toe drainage at the landward toe berm. Fall 2015.

LM Start	18.77	Rating **	M	Issue No.	32
LM End	20.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.994287 °	39.021231 °	
			-121.731171 °	-121.741087 °	
DWR ID	DWR_RD1500_02_s_2020_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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