

Flood Control Project Maintenance Levee Inspections

Fall 2024 Levee Maintenance Deficiency Summary Report

Sacramento River Basin

RD0108	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0108 River Farms	A	20.92						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	0.05%				
Encroachments					0.37			
Slope Stability	1.12		1.12	5.35%				
Cracking	0.04		0.04	0.19%				
<i>Supplemental</i>								
2018 USACE Erosion Survey	0.08		0.08	0.38%				
DWR UCIP LMA Responsibility	0.05		0.05	0.24%				
<i>LMA Totals:</i>	1.30	0.00	1.30	6.21%	0.37	0.00	0.00	0.00
Unit No. 01 Colusa Basin Drain LB	Overall Unit Rating	Total Unit Miles						
RD0108	A	20.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.36			
Slope Stability	1.12		1.12	5.43%				
Cracking	0.04		0.04	0.19%				
<i>Supplemental</i>								
2018 USACE Erosion Survey	0.08		0.08	0.39%				
DWR UCIP LMA Responsibility	0.05		0.05	0.24%				
<i>Unit Totals:</i>	1.29	0.00	1.29	6.25%	0.36	0.00	0.00	0.00
Unit No. 02 Castle Properties RB	Overall Unit Rating	Total Unit Miles						
RD0108	A	0.28						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	3.58%				
Encroachments					0.01			
<i>Unit Totals:</i>	0.01	0.00	0.01	3.58%	0.01	0.00	0.00	0.00

Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet

Reclamation District No. 0108 River Farms

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

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

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

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

Comments

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

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles
Unit No. 01 Colusa Basin Drain	Left	20.64

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/27/2024 - 2/27/2024		9/23/2024 - 9/23/2024	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Jordon Navarrot RD 108		Jordon Navarrot RD 108	
			Tyler Scofield RD 108	

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2024

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0108_01_s _ 2023_5				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
RD 108 has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	7		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_RD0108_01_s _ 2013_7						
Comment Code							
ES : Emergency Supplies & Equipment							
Inspector Comment							
RD 108 maintains a stockpile of flood response materials.							

No Photos

LM Start		Rating **	A	Issue No.	9		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD0108_01_s _ 2013_9						
Comment Code							
FP : Flood Preparedness & Training							
Inspector Comment							
RD 108 has written response plans and regular flood response training.							

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 - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	25	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.822897 °	38.822897 °	
				-121.797000 °	-121.797000 °	
DWR ID	17943					
Comment Code						
Inspector Comment						
DS_ID:17943 FS_ID:83766 EP_NO: 9736 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2024 Record remains Non-Urgent. Crossing appears abandoned. Slide gates at waterside toe buried in soil. DMP internal video inspection has found none or minor pipe defects. (O. Yakimov - DWR UCIP) 10/02/2019 Record remains Non-Urgent. In 2019 RD 108 took an attempt to bring structure to operable condition. Although this attempt was unsuccessful District will review other options. In the meantime crossing considered abandoned. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 06/10/2014 Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon. (O.Magana - DWR UCIP) FIELD_STRUCT_DESC: 1 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991 (HLM 0.08). USACE Sacramento O&M Manual, Unit 132, October 1959, Revised 28 July 2022, (HLM 0.08), listed as five 6-foot by 8-foot concrete culvert drains. USACE As-Built Drawing No. 50-04-3073, December 1956, Sheet 5, upstream of STA 234+00, listed as five 6-foot by 8-foot concrete box culverts]. FS Date: 4/10/2024 8:41:21 AM						

Photo 1 of 3 : UCIP_FA_2024_83766_122940.jpg



Top of Levee: View of levee crown looking downstream

* 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	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	25 (cont)
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.822897°	38.822897°
				-121.797000°	-121.797000°
DWR ID	17943				

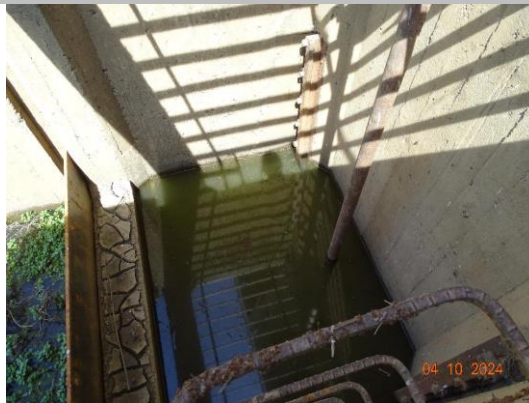
Photo 2 of 3 : UCIP_FA_2024_83766_122941.jpg



Water-Side: View of levee slope looking from crown. Slide gates at riverbank

LM Start	0.06	Rating **	M	Issue No.	25 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_83766_122939.jpg



Water-Side: View inside of the bay at slide gate structure at riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	26	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.822919 °	38.822919 °	
				-121.797046 °	-121.797046 °	
DWR ID	22386					
Comment Code						
Inspector Comment						
DS_ID:22386 FS_ID:83765 EP_NO: 9396 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2024 Record remains Non-Urgent. Crossing appears abandoned. Slide gates at waterside toe buried in soil. (O. Yakimov - DWR UCIP) 10/02/2019 Record remains Non-Urgent. In 2019 RD 108 took an attempt to bring structure to operable condition. Although this attempt was unsuccessful District will review other options. In the meantime crossing considered abandoned. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 06/10/2014 Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon. (O.Magana - DWR UCIP) FIELD_STRUCT_DESC: 2 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991 (HLM 0.08). USACE Sacramento O&M Manual, Unit 132, October 1959, Revised 28 July 2022, (HLM 0.08), listed as five 6-foot by 8-foot concrete culvert drains. USACE As-Built Drawing No. 50-04-3073, December 1956, Sheet 5, upstream of STA 234+00, listed as five 6-foot by 8-foot concrete box culverts]. FS Date: 4/10/2024 8:40:26 AM						

Photo 1 of 3 : UCIP_FA_2024_83765_122935.jpg



Top of Levee: View of levee crown looking downstream

* 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	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	26 (cont)
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.822919 °	38.822919 °
				-121.797046 °	-121.797046 °
DWR ID	22386				

Photo 2 of 3 : UCIP_FA_2024_83765_122930.jpg



Water-Side: View of levee slope looking from crown. Slide gates at riverbank

LM Start	0.06	Rating **	M	Issue No.	26 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_83765_122934.jpg



Water-Side: Slide gate structure at riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	27	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.822933 °	38.822933 °	
				-121.797081 °	-121.797081 °	
DWR ID	22387					
Comment Code						
Inspector Comment						
DS_ID:22387 FS_ID:83764 EP_NO: 9396 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2024 Record remains Non-Urgent. Crossing appears abandoned. Slide gates at waterside toe buried in soil. (O. Yakimov - DWR UCIP) 10/02/2019 Record remains Non-Urgent. In 2019 RD 108 took an attempt to bring structure to operable condition. Although This attempt was unsuccessful District will review other options. In the meantime crossing considered abandoned. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 06/10/2014 Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon. (O.Magana - DWR UCIP) FIELD_STRUCT_DESC: 3 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991 (HLM 0.08). USACE Sacramento O&M Manual, Unit 132, October 1959, Revised 28 July 2022, (HLM 0.08), listed as five 6-foot by 8-foot concrete culvert drains. USACE As-Built Drawing No. 50-04-3073, December 1956, Sheet 5, upstream of STA 234+00, listed as five 6-foot by 8-foot concrete box culverts]. FS Date: 4/10/2024 8:38:26 AM						

Photo 1 of 3 : UCIP_FA_2024_83764_122929.jpg



Top of Levee: View of levee crown looking downstream

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	27 (cont)
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.822933 °	38.822933 °
				-121.797081 °	-121.797081 °
DWR ID	22387				

Photo 2 of 3 : UCIP_FA_2024_83764_122925.jpg



Water-Side: View of levee slope looking from crown. Slide gates at riverbank

LM Start	0.06	Rating **	M	Issue No.	27 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_83764_122927.jpg



Land-Side: View of slide gates buried in soil at 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 - Fall 2024

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	28
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.822943 °	38.822943 °
				-121.797110 °	-121.797110 °
DWR ID	22388				
Comment Code					
Inspector Comment					
DS_ID:22388 FS_ID:83763 EP_NO: 9396 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2024 Record remains Non-Urgent. Crossing appears abandoned. Slide gates at waterside toe buried in soil. (O. Yakimov - DWR UCIP) 10/02/2019 Record remains Non-Urgent. In 2019 RD 108 took an attempt to bring structure to operable condition. Although this attempt was unsuccessful District will review other options. In the meantime crossing considered abandoned. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 06/10/2014 Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon. (O.Magana - DWR UCIP) FIELD_STRUCT_DESC: 4 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991 (HLM 0.08). USACE Sacramento O&M Manual, Unit 132, October 1959, Revised 28 July 2022, (HLM 0.08), listed as five 6-foot by 8-foot concrete culvert drains. USACE As-Built Drawing No. 50-04-3073, December 1956, Sheet 5, upstream of STA 234+00, listed as five 6-foot by 8-foot concrete box culverts]. FS Date: 4/10/2024 8:37:03 AM					

Photo 1 of 3 : UCIP_FA_2024_83763_122922.jpg



Top of Levee: View of levee crown looking upstream

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	28 (cont)
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.822943 °	38.822943 °
				-121.797110 °	-121.797110 °
DWR ID	22388				

Photo 2 of 3 : UCIP_FA_2024_83763_122921.jpg



Water-Side: View of levee slope looking from crown. Slide gates at riverbank

LM Start	0.06	Rating **	M	Issue No.	28 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_83763_122920.jpg



Water-Side: Slide gate structure at riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	29	
LM End	0.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.822954 °	38.822954 °	
				-121.797135 °	-121.797135 °	
DWR ID	22389					
Comment Code						
Inspector Comment						
DS_ID:22389 FS_ID:83762 EP_NO: 9396 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2024 Record remains Non-Urgent. Crossing appears abandoned. Slide gates at waterside toe buried in soil. (O. Yakimov - DWR UCIP) 10/02/2019 Record remains Non-Urgent. In 2019 RD 108 took an attempt to bring structure to operable condition. Although this attempt was unsuccessful District will review other options. In the meantime crossing considered abandoned. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 06/10/2014 Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon. (O.Magana - DWR UCIP) FIELD_STRUCT_DESC: 5 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991 (HLM 0.08). USACE Sacramento O&M Manual, Unit 132, October 1959, Revised 28 July 2022, (HLM 0.08), listed as five 6-foot by 8-foot concrete culvert drains. USACE As-Built Drawing No. 50-04-3073, December 1956, Sheet 5, upstream of STA 234+00, listed as five 6-foot by 8-foot concrete box culverts]. FS Date: 4/10/2024 8:34:06 AM						

Photo 1 of 3 : UCIP_FA_2024_83762_122917.jpg



Top of Levee: View of levee crown looking upstream

* 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	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	29 (cont)
LM End	0.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.822954 °	38.822954 °
				-121.797135 °	-121.797135 °
DWR ID	22389				

Photo 2 of 3 : UCIP_FA_2024_83762_122916.jpg



Water-Side: View of levee slope looking from crown. Slide gates at riverbank

LM Start	0.07	Rating **	M	Issue No.	29 (cont)
LM End	0.07	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_83762_122914.jpg



Water-Side: Slide gate structure at riverbank

LM Start	1.21	Rating **	A/W	Issue No.	12
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.829411 °	38.829582 °
				-121.816712 °	-121.817274 °
DWR ID	DWR_RD0108_01_s _ 2023_12				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
150' of sloughing on the landside slope with approximately 3ft of vertical scarp at worst section. District installed a temporary repair. USACE will complete a permanent repair.					

Photo 1 of 1 : FA_2024_RD0108_203_12_20240909_00002.jpg



View of temporary sloughing repair on the landside slope. Spring 2024.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	1.49	Rating **	M	Issue No.	17
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.830951°	38.831043°
				-121.821574°	-121.821847°
DWR ID	DWR_RD0108_01_f_2022_17				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There appears to be a 150' sloughing section that is a result of February 2019 storms. This site will be repaired by the USACE under PL84-99. There are minor new cracks forming adjacent to the sloughing.					

Photo 1 of 1 : FA_2024_RD0108_203_17_20240909_00006.jpg



View of sloughing on the landside slope. Fall 2023.

LM Start	2.70	Rating **	M	Issue No.	15
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.837568°	38.837749°
				-121.842218°	-121.842776°
DWR ID	DWR_RD0108_01_s_2019_15				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There appears to be a 150' sloughing section that is a result of February 2019 storms. This site will be repaired by the USACE under PL84-99.					

Photo 1 of 1 : FA_2024_RD0108_203_15_20240909_00004.jpg



View of sloughing on the landside slope. Fall 2023.

LM Start	4.16	Rating **	A/W	Issue No.	14
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.843711°	38.843766°
				-121.867968°	-121.868441°
DWR ID	DWR_RD0108_01_s_2023_14				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Appears to be 100ft of linear cracking along landside shoulder. The USACE will repair this as part of PL 84-99.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	4.16	Rating **	M	Issue No.	19
LM End	4.20	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.843700 °	38.843785 °
				-121.868000 °	-121.868725 °
DWR ID	DWR_RD0108_01_f_2023_19				
Comment Code					
CR2 : Schedule repair of subsidence prior to the next inspection.					
Inspector Comment					
Approximately 200' of deep cracks through the crown and landside shoulder. This will be repaired by the USACE under PL 84-99.					

Photo 1 of 1 : FA_2024_RD0108_203_19_20240923_00027.jpg



View of cracking on the crown and landside shoulder. Fall 2024.

LM Start	4.84	Rating **	A/W	Issue No.	10
LM End	4.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.845078 °	38.845078 °
				-121.880466 °	-121.880466 °
DWR ID	DWR_RD0108_01_f_2024_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Appears to be a beaver den at the landside toe near the irrigation canal. No visible burrowing within the levee prism. Recommend monitoring.					

No Photos

LM Start	4.87	Rating **	A/W	Issue No.	11
LM End	4.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.845143°	38.845143°
				-121.881086°	-121.881086°
DWR ID	DWR_RD0108_01_f_2024_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Appears to be a beaver den at the landside toe near the irrigation canal. No visible burrowing within the levee prism. 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 N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	12.26	Rating **	A/W	Issue No.	18
LM End	12.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.939236 °	38.940843 °
				-121.907072 °	-121.906736 °
DWR ID	DWR_RD0108_01_s_2024_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Appears to be minor wavewash erosion beginning due to high water. Recommend monitoring.					

Photo 1 of 1 : FA_2024_RD0108_203_18_20240909_00007.jpg



View of wavewash on the waterside toe. Spring 2024.

LM Start	12.82	Rating **	M	Issue No.	16
LM End	12.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.947400°	38.947675°
				-121.906600°	-121.906793°
DWR ID	DWR_RD0108_01_f_2023_16				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Approximately 100' of sloughing on the landside slope. The repairs will be funded by DWR Emergency Repairs.					

Photo 1 of 1 : FA_2024_RD0108_203_16_20240909_00005.jpg



View of sloughing on the landside slope. Fall 2023.

LM Start	14.48	Rating **	M	Issue No.	21
LM End	14.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.967107°	38.967716°
				-121.923162°	-121.924020°
DWR ID	DWR_RD0108_01_s_2023_21				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
100' of sloughing on the landside shoulder. District installed an envelope over the slough. USACE will repair under PL 84-99.					

Photo 1 of 1 : FA_2024_RD0108_203_21_20240923_00028.jpg



View of sloughing on the landside shoulder. Fall 2024.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	14.54	Rating **	M	Issue No.	22
LM End	15.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.967757°	38.976745°
				-121.924090°	-121.936790°
DWR ID	DWR_RD0108_01_s_2024_22				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Cracking and sloughing on the landside shoulder and crown.					

Photo 1 of 1 : FA_2024_RD0108_203_22_20240909_00010.jpg



View of sloughing on the landside shoulder. Spring 2024.

LM Start	17.26	Rating **	M	Issue No.	23
LM End	17.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.995300°	38.995889°
				-121.960100°	-121.960894°
DWR ID	DWR_RD0108_01_f_2023_23				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Approximately 300' of sloughing on the landside slope and crown. The repairs will be funded by DWR Emergency Repairs.					

Photo 1 of 1 : FA_2024_RD0108_203_23_20240909_00011.jpg



View of sloughing on the landside shoulder and crown. Spring 2024.

LM Start	18.92	Rating **	M	Issue No.	6
LM End	19.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.013160 °	39.017000 °
				-121.980808 °	-121.985364 °
DWR ID	DWR_RD0108_01_s_2012_6				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch is located at the toe of the levee.					

Photo 1 of 1 : FA_2024_RD0108_203_6_20240909_00001.jpg



View of ditch at the landside toe. Spring 2022.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	09/23/2024 09/23/2024	Zach Jojola

LM Start	19.27	Rating **	M	Issue No.	13
LM End	19.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			39.016727 °	39.017516 °
				-121.985411 °	-121.986374 °
DWR ID	DWR_RD0108_01_s _ 2022_13				
Comment Code					
Inspector Comment					
2018 Site ID: CBD 19.2 L					
Status: Eroding					
2018 Field Notes: Last observed in 2011. Access issues prevented inspection in 2017.					
Site History: 2011 - Toe scour at the bottom of a steep bank, large sections of the toe are sliding down. Erosion may be due to the upstream bend.					

Photo 1 of 1 : FA_2024_RD0108_203_13_20240909_00003.jpg



View of erosion at the waterside toe. Spring 2022.

LM Start	20.29	Rating **	C	Issue No.	24
LM End	20.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.030714 °	39.030714 °
				-121.989426 °	-121.989426 °
DWR ID	DWR_RD0108_01_s _ 2024_24				
Comment Code					
T2 : Tree or limb.					
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
Unit Cover Sheet**

Reclamation District No. 0108 River Farms

Waterway			Bank	Unit Miles
Unit No. 02 Castle Properties			Right	0.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/27/2024 - 2/27/2024		9/23/2024 - 9/23/2024	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Jordon Navarrot RD 108		Jordon Navarrot RD 108	

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	09/23/2024 09/23/2024	Zach Jojola

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.796333 °	38.796333 °
				-121.727751 °	-121.727751 °
DWR ID	DWR_RD0108_02_s_2024_1				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Tree limbs on the waterside slope.					

Photo 1 of 1 : FA_2024_RD0108_590_1_20240923_00001.jpg



View of tree limbs on the waterside slope. Fall 2024.

LM Start	0.25	Rating **	M	Issue No.	2
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.798818 °	38.798818 °
				-121.724912 °	-121.724912 °
DWR ID	DWR_RD0108_02_f_2024_2				
Comment Code					
CA : Campers					
Inspector Comment					
Campers on the waterside berm.					

Photo 1 of 1 : FA_2024_RD0108_590_2_20240923_00002.jpg



View of camp site on the waterside berm. Fall 2024.

* 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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