

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

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>								
Encroachments					0.37			
Slope Stability	0.05		0.05	0.24%				
<i>Supplemental</i>								
2017 USACE Erosion Survey	0.07		0.07	0.34%				
DRAFT DWR UCIP Field Study					0.06			
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.12	0.00	0.12	0.57%	0.43	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					0.37			
Slope Stability	0.05		0.05	0.24%				
<i>Supplemental</i>								
2017 USACE Erosion Survey	0.07		0.07	0.34%				
DRAFT DWR UCIP Field Study					0.06			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.12	0.00	0.12	0.58%	0.43	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
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2019 Levee Inspection Results

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

Fall 2019 Levee Inspection Results

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	4/3/2019 - 4/3/2019		10/2/2019 - 10/2/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Gary Marler RD0108		Gary Marler RD0108	

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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	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_2013_5				
Comment Code					
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					
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					
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 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	19	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.822897°	38.822897°	
				-121.797000°	-121.797000°	
DWR ID	17943					
Comment Code						
Inspector Comment						
DS_ID:17943 FS_ID:55919 EP_NO: 9736 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019						

LM Start	0.06	Rating **	M	Issue No.	19 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55919_83215.jpg



View of LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2019_55919_83216.jpg



View of WS looking from levee crown

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	19 (cont)	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.822897°	38.822897°	
				-121.797000°	-121.797000°	
DWR ID	17943					
Comment Code						
Inspector Comment						
DS_ID:17943 FS_ID:55919 EP_NO: 9736 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019						

Photo 3 of 3 : UCIP_FA_2019_55919_83217.jpg



Slide gate operating structure on WS 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 - Fall 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	20
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.822919 °	38.822919 °
				-121.797046 °	-121.797046 °
DWR ID	22386				
Comment Code					
Inspector Comment					
DS_ID:22386 FS_ID:55920 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 8/2/2019					

LM Start	0.06	Rating **	M	Issue No.	20 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55920_83222.jpg



View of concrete structure located on landward side

Photo 2 of 3 : UCIP_FA_2019_55920_83226.jpg



Slide gates on waterward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	20 (cont)	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.822919 °		38.822919 °
				-121.797046 °		-121.797046 °
DWR ID	22386					
Comment Code						
Inspector Comment						
DS_ID:22386 FS_ID:55920 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 8/2/2019						

Photo 3 of 3 : UCIP_FA_2019_55920_83227.jpg



Concrete structure located on waterward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	21
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.822933 °	38.822933 °
				-121.797081 °	-121.797081 °
DWR ID	22387				
Comment Code					
Inspector Comment					
DS_ID:22387 FS_ID:55921 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019 7:54:00 AM					

LM Start	0.06	Rating **	M	Issue No.	21 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55921_83223.jpg



Slide gates on waterward side

Photo 2 of 3 : UCIP_FA_2019_55921_83224.jpg



Concrete structure located on waterward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	21 (cont)
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.822933 °	38.822933 °
				-121.797081 °	-121.797081 °
DWR ID	22387				
Comment Code					
Inspector Comment					
DS_ID:22387 FS_ID:55921 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019 7:54:00 AM					

Photo 3 of 3 : UCIP_FA_2019_55921_83225.jpg



Concrete structure located onlandward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	22
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.822897 °	38.822897 °
				-121.797000 °	-121.797000 °
DWR ID	22388				
Comment Code					
Inspector Comment					
DS_ID:22388 FS_ID:55922 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019 7:59:18 AM					

LM Start	0.06	Rating **	M	Issue No.	22 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55922_83228.jpg



View of concrete structure located on landward side

Photo 2 of 3 : UCIP_FA_2019_55922_83229.jpg



Concrete structure located on waterward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	22 (cont)	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.822897 °	38.822897 °	
				-121.797000 °	-121.797000 °	
DWR ID	22388					
Comment Code						
Inspector Comment						
DS_ID:22388 FS_ID:55922 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019 7:59:18 AM						

Photo 3 of 3 : UCIP_FA_2019_55922_83230.jpg



Slide gates on waterward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	23
LM End	0.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.822954 °	38.822954 °
				-121.797135 °	-121.797135 °
DWR ID	22389				
Comment Code					
Inspector Comment					
DS_ID:22389 FS_ID:55923 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019 8:01:09 AM					

LM Start	0.07	Rating **	M	Issue No.	23 (cont)
LM End	0.07	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55923_83231.jpg



View of concrete structure located on landward side

Photo 2 of 3 : UCIP_FA_2019_55923_83232.jpg



Slide gates on waterward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	23 (cont)							
LM End	0.07	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		38.822954 °	38.822954 °								
			-121.797135 °	-121.797135 °								
DWR ID	22389											
Comment Code												
Inspector Comment												
DS_ID:22389 FS_ID:55923 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/02/2019 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. (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. FIELD_STRUCT_DESC: *ABANDONED* 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. (Retention of 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. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 10/2/2019 8:01:09 AM												

Photo 3 of 3 : UCIP_FA_2019_55923_83233.jpg



Concrete structure located on waterward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	0.39	Rating **	M	Issue No.	24	
LM End	0.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.824795 °		38.824795 °
				-121.802591 °		-121.802591 °
DWR ID	18662					
Comment Code						
Inspector Comment						
DS_ID:18662						
FS_ID:55924						
EP_NO: 2283						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/02/2019 Crossing not found. Proper gas line markers should be installed on both sides of levee to identify crossing. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 4-inch steel natural gas pipeline through the back borrow pit levee of Reclamation District No. 108 (RD0108), at an unknown depth. (Plans for installation of a 4-inch pipeline through the back borrow pit levee of RD0108 authorized under Permit No. 2283, 1956 - Yolo County Sales Company).						
FS Date: 10/2/2019 8:06:18 AM						

Photo 1 of 2 : UCIP_FA_2019_55924_83234.jpg



View of WS at potential crossing looking from levee crown

LM Start	0.39	Rating **	M	Issue No.	24 (cont)
LM End	0.39	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_55924_83235.jpg



View of LS at potential crossing looking from levee crown

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	1.23	Rating **	C	Issue No.	18
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.829551 °	38.829551 °
				-121.817032 °	-121.817032 °
DWR ID	DWR_RD0108_01_s_2019_18				
Comment Code					
CR2 : Schedule repair of subsidence prior to the next inspection.					
Inspector Comment					
There is a 25' crack and settlement on the crown.					

No Photos

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_s_2019_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. The LMA will place a raincoat over the damage for the next flood season.					

Photo 1 of 2 : FA_2019_RD0108_203_17_20191003_00031.jpg



View of the sloughing on the landside slope. Fall 2019.

LM Start	1.49	Rating **	M	Issue No.	17 (cont)
LM End	1.51	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD0108_203_17_20190829_00006.jpg



View of the sloughing on the landside slope. Spring 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 - Fall 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

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. The LMA will place a raincoat over the damage for the next flood season.					

LM Start	2.70	Rating **	M	Issue No.	15 (cont)
LM End	2.73	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2019_RD0108_203_15_20191003_00032.jpg



View of the sloughing on the landside slope. Fall 2019.

Photo 2 of 2 : FA_2019_RD0108_203_15_20190829_00003.jpg



View of sloughing on the landside slope. Spring 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 - Fall 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	2.91	Rating **	M	Issue No.	25
LM End	2.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.838696 °	38.838696 °
				-121.845843 °	-121.845843 °
DWR ID	24875				
Comment Code					
Inspector Comment					
DS_ID:24875 FS_ID:55925 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/02/2019 Abandoned crossing. Needs a removal of proper abandonment. (O.Yakimov - DWR UCIP)03/18/2014 No signs of pipe visible--need to contact owner to obtain permit number authorizing work. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 44-inch corrugated metal pipe (CMP) riser on the waterside (WS). Riser is filled with trash and debris. Unable to determine if a crossing exists at this location. This riser was field discovered. FS Date: 10/2/2019 8:10:23 AM					

LM Start	2.91	Rating **	M	Issue No.	25 (cont)
LM End	2.91	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55925_83236.jpg



View of levee crown at the crossing

Photo 2 of 3 : UCIP_FA_2019_55925_83237.jpg



View of WS looking from levee crown

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	2.91	Rating **	M	Issue No.	25 (cont)	
LM End	2.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.838696 °	38.838696 °	
				-121.845843 °	-121.845843 °	
DWR ID	24875					
Comment Code						
Inspector Comment						
DS_ID:24875 FS_ID:55925 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/02/2019 Abandoned crossing. Needs a removal of proper abandonment. (O.Yakimov - DWR UCIP)03/18/2014 No signs of pipe visible--need to contact owner to obtain permit number authorizing work. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 44-inch corrugated metal pipe (CMP) riser on the waterside (WS). Riser is filled with trash and debris. Unable to determine if a crossing exists at this location. This riser was field discovered. FS Date: 10/2/2019 8:10:23 AM						

Photo 3 of 3 : UCIP_FA_2019_55925_83238.jpg



View of LS looking from levee crown

LM Start	9.66	Rating **	M	Issue No.	16
LM End	9.66	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.902691 °	38.902691 °
				-121.914645 °	-121.914645 °
DWR ID	DWR_RD0108_01_f_2016_16				
Comment Code					
ST : Stairway					
Inspector Comment					
Department of Fish and Game staff is using a stairway to access their monitoring site. Unable to verify if a permit exists.					

Photo 1 of 2 : FA_2019_RD0108_203_16_20190829_00004.jpg



View of stairway look upstream. 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 - Fall 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	9.66	Rating **	M	Issue No.	16 (cont)	
LM End	9.66	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.902691 °	38.902691 °	
				-121.914645 °	-121.914645 °	
DWR ID	DWR_RD0108_01_f_2016_16					
Comment Code						
ST : Stairway						
Inspector Comment						
Department of Fish and Game staff is using a stairway to access their monitoring site. Unable to verify if a permit exists.						

Photo 2 of 2 : FA_2019_RD0108_203_16_20190829_00005.jpg



View of a steel stairway on WS slope. Fall 2016 inspection.

LM Start	11.24	Rating **	M	Issue No.	26
LM End	11.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.925662 °	38.925662 °
				-121.914303 °	-121.914303 °
DWR ID	24876				
Comment Code					
Inspector Comment					
DS_ID:24876					
FS_ID:55926					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 10/02/2019 Permit is not available for this crossing.					
(O.Yakimov - DWR UCIP)03/18/2014 Need to contact owner to					
determine additional details of crossing.					
FIELD_STRUCT_DESC: Natural gas pipeline of an unknown size or					
material slightly angled through the levee, at an unknown depth.					
Markers on both sides of the levee. Gas station located across the					
canal on the landside (LS). This crossing was field discovered.					
FS Date: 10/2/2019 8:17:59 AM					

Photo 1 of 3 : UCIP_FA_2019_55926_83243.jpg



View of levee crown at the crossing

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	11.24	Rating **	M	Issue No.	26 (cont)	
LM End	11.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.925662 °	38.925662 °	
				-121.914303 °	-121.914303 °	
DWR ID	24876					
Comment Code						
Inspector Comment						
DS_ID:24876 FS_ID:55926 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/02/2019 Permit is not available for this crossing. (O.Yakimov - DWR UCIP)03/18/2014 Need to contact owner to determine additional details of crossing. FIELD_STRUCT_DESC: Natural gas pipeline of an unknown size or material slightly angled through the levee, at an unknown depth. Markers on both sides of the levee. Gas station located across the canal on the landside (LS). This crossing was field discovered. FS Date: 10/2/2019 8:17:59 AM						

LM Start	11.24	Rating **	M	Issue No.	26 (cont)
LM End	11.24	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55926_83244.jpg



View of WS looking from levee crown. Gas line marker installed on levee shoulder

Photo 3 of 3 : UCIP_FA_2019_55926_83245.jpg



View of LS looking from levee crown. Gas line marker installed on levee shoulder. PG&E facility on LS

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	14.94	Rating **	M	Issue No.	27	
LM End	14.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.971607°	38.971607°	
				-121.929499°	-121.929499°	
DWR ID	17942					
Comment Code						
Inspector Comment						
DS_ID:17942						
FS_ID:55927						
EP_NO: 3800						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 10/02/2019 Gas line marker not installed on WS.						
(O.Yakimov - DWR UCIP)06/10/2014 Need to contact owner--marker missing on waterward side.						
FIELD_STRUCT_DESC: 20-inch concrete encased steel natural gas pipeline through the levee, 3 feet below the crown. Crossing appears to be angled through the levee. Small rock revetment on the waterside (WS) slope, unable to locate. Gas well approximately 1000 feet off the landside (LS) toe. (Plans to construct and maintain a 20-inch gas line across the Sacramento River authorized under Permit No. 3800, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1991].						
FS Date: 10/2/2019 8:22:46 AM						

LM Start	14.94	Rating **	M	Issue No.	27 (cont)
LM End	14.94	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55927_83246.jpg



View of levee crown at the crossing

Photo 2 of 3 : UCIP_FA_2019_55927_83247.jpg



Marker visible on landward side

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	14.94	Rating **	M	Issue No.	27 (cont)	
LM End	14.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.971607 °	38.971607 °	
				-121.929499 °	-121.929499 °	
DWR ID	17942					
Comment Code						
Inspector Comment						
DS_ID:17942 FS_ID:55927 EP_NO: 3800 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/02/2019 Gas line marker not installed on WS. (O.Yakimov - DWR UCIP)06/10/2014 Need to contact owner--marker missing on waterward side. FIELD_STRUCT_DESC: 20-inch concrete encased steel natural gas pipeline through the levee, 3 feet below the crown. Crossing appears to be angled through the levee. Small rock revetment on the waterside (WS) slope, unable to locate. Gas well approximately 1000 feet off the landside (LS) toe. (Plans to construct and maintain a 20-inch gas line across the Sacramento River authorized under Permit No. 3800, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1991]. FS Date: 10/2/2019 8:22:46 AM						

Photo 3 of 3 : UCIP_FA_2019_55927_83248.jpg



View of waterward side. No marker visible on waterward side

LM Start	17.30	Rating **	C	Issue No.	14
LM End	17.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.995645 °	38.995645 °
				-121.960608 °	-121.960608 °
DWR ID	DWR_RD0108_01_s_2019_14				
Comment Code					
CR2 : Schedule repair of subsidence prior to the next inspection.					
Inspector Comment					
Crown has settled at previous USACE repair site and minor cracking is visible.					

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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	18.60	Rating **	M	Issue No.	28	
LM End	18.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.009627 °	39.009627 °	
				-121.976774 °	-121.976774 °	
DWR ID	18659					
Comment Code						
Inspector Comment						
DS_ID:18659						
FS_ID:55932						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/02/2019 Crossing not found. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe through the levee, invert elevation 27.4 feet. [Additional Reference(s): USACE Sacramento O&M Manual 132, October 1959, (HLM 18.55)].						
FS Date: 10/2/2019 11:08:25 AM						

No Photos

LM Start	18.73	Rating **	M	Issue No.	29	
LM End	18.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.011025 °	39.011025 °	
				-121.978434 °	-121.978434 °	
DWR ID	17940					
Comment Code						
Inspector Comment						
DS_ID:17940 FS_ID:55933 EP_NO: 9399 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/02/2019 Disrupted concrete pile structure observed in riverbank that may belong to this crossing. Immured 24-inch pipe hole is visible inside of concrete distribution box at the landside toe. Unable to confirm proper abandonment. Updated lat/long. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel gravity drainage pipe through the levee, 15 feet below the crown. Pipe is open in a concrete distribution box at the landside (LS) toe. Intake trash rack structure in channel. (Retention of a 24-inch steel pipe through the levee, 15 feet below the crown, a concrete distribution box, and an intake trash rack authorized under Automatic Board Order (ABO) issued as Permit No. 9399, 1974 - Aileen B. Armstrong, Trustee, care of O. M. Durst Jr.). [Additional Reference(s): DWR Levee Log, 1991]. FS Date: 10/2/2019 11:10:08 AM						

Photo 1 of 3 : UCIP_FA_2019_55933_83271.jpg



View of LS looking from levee crown

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

LM Start	18.73	Rating **	M	Issue No.	29 (cont)	
LM End	18.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.011025 °	39.011025 °	
				-121.978434 °	-121.978434 °	
DWR ID	17940					
Comment Code						
Inspector Comment						
DS_ID:17940 FS_ID:55933 EP_NO: 9399 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/02/2019 Disrupted concrete pile structure observed in riverbank that may belong to this crossing. Immured 24-inch pipe hole is visible inside of concrete distribution box at the landside toe. Unable to confirm proper abandonment. Updated lat/long. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel gravity drainage pipe through the levee, 15 feet below the crown. Pipe is open in a concrete distribution box at the landside (LS) toe. Intake trash rack structure in channel. (Retention of a 24-inch steel pipe through the levee, 15 feet below the crown, a concrete distribution box, and an intake trash rack authorized under Automatic Board Order (ABO) issued as Permit No. 9399, 1974 - Aileen B. Armstrong, Trustee, care of O. M. Durst Jr.). [Additional Reference(s): DWR Levee Log, 1991]. FS Date: 10/2/2019 11:10:08 AM						

LM Start	18.73	Rating **	M	Issue No.	29 (cont)
LM End	18.73	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55933_83272.jpg



View of WS looking from levee crown

Photo 3 of 3 : UCIP_FA_2019_55933_83270.jpg



Ruined intake trash rack structure in channel

* 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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/02/2019 10/02/2019	Zach Jojola

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_2019_RD0108_203_6_20190829_00001.jpg



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

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	2017 USACE Erosion Survey			39.016727 °	39.017516 °
				-121.985411 °	-121.986374 °
DWR ID	DWR_RD0108_01_f_2018_13				
Comment Code					
Inspector Comment					
2017 Site ID: CBD 19.2 L					
Status: Eroding					
2017 Field Notes: Access Issues - Could not observe					
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.					

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

Fall 2019 Levee Inspection Results

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	4/4/2019 - 4/4/2019		10/1/2019 - 10/1/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Gary Marler RD0108		Gary Marler RD0108	

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 2019

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	10/01/2019 10/01/2019	Zach Jojola

LM Start	0.18	Rating **	A	Issue No.	1
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.798070 °	38.798070 °
				-121.725731 °	-121.725731 °
DWR ID	DWR_RD0108_02_f_2019_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA_2019_RD0108_590_1_20191001_00001.jpg



View of the maintained waterside 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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