

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2017 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin**

<b>RD0108</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0108 River Farms</b>	<b>A</b>	<b>20.92</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.03		0.03	0.14%	0.37			
Animal Control	0.01		0.01	0.05%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	0.34%				
DWR UCIP Field Study					0.03			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.11	0.00	0.11	0.53%	0.40	0.00	0.00	0.00
<b>Unit No. 01 Colusa Basin Drain LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0108</b>	<b>A</b>	<b>20.64</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.03		0.03	0.15%	0.37			
Animal Control	0.01		0.01	0.05%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	0.34%				
DWR UCIP Field Study					0.03			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.11	0.00	0.11	0.53%	0.40	0.00	0.00	0.00
<b>Unit No. 02 Castle Properties RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0108</b>	<b>A</b>	<b>0.28</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
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 2017 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 2017 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)			<b>A</b>	
Date of Inspection	5/3/2017 - 5/3/2017		10/11/2017 - 10/11/2017	
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 2017**

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	<b>5</b>
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.	<b>7</b>
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.	<b>9</b>
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

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	36	
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						
Comment Code						
Inspector Comment						
FS_ID:37608 DS_ID:17943 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2017\_37608\_68207.jpg



View of concrete structure visible on waterward side.

Photo 2 of 3 : UCIP\_FA\_2017\_37608\_68210.jpg



Dense vegetation on waterward side.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	36 (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						
Comment Code						
Inspector Comment						
FS_ID:37608 DS_ID:17943 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

Photo 3 of 3 : UCIP\_FA\_2017\_37608\_68208.jpg



View of concrete structure visible on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	

A photograph of a concrete weir structure with five vertical piers and a metal walkway on top, situated in a grassy field next to a body of water under a clear blue sky.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	37 (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						
Comment Code						
Inspector Comment						
FS_ID:37609 DS_ID:22386 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

Photo 3 of 3 : UCIP\_FA\_2017\_37609\_68213.jpg



View of concrete structure located on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	38
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					
Comment Code					
Inspector Comment					
FS_ID:37610 DS_ID:22387 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014					

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	

A photograph of a concrete bridge structure spanning a body of water. The bridge has multiple piers and a walkway with railings. The foreground is filled with tall, dry grass, and the background shows a line of trees under a clear blue sky.

Concrete structure located on waterward side.

A photograph of a concrete weir structure with five vertical piers and a walkway on top, situated in a grassy field next to a body of water under a clear blue sky.

Dense vegetation covers waterward side slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	38 (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						
Comment Code						
Inspector Comment						
FS_ID:37610 DS_ID:22387 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

Photo 3 of 3 : UCIP\_FA\_2017\_37610\_68217.jpg



Concrete structure located on landward side.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	39	
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						
Comment Code						
Inspector Comment						
FS_ID:37611 DS_ID:22388 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

Photo 1 of 3 : UCIP\_FA\_2017\_37611\_68220.jpg



Concrete structure located on waterward side.

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2017\_37611\_68224.jpg



Waterward slope covered by dense vegetation.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	39 (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						
Comment Code						
Inspector Comment						
FS_ID:37611 DS_ID:22388 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

Photo 3 of 3 : UCIP\_FA\_2017\_37611\_68222.jpg



Concrete structure visible on landward side.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	40	
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						
Comment Code						
Inspector Comment						
FS_ID:37607 DS_ID:22389 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

Photo 1 of 3 : UCIP\_FA\_2017\_37607\_68203.jpg



Concrete structure located on waterward side.

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2017\_37607\_68206.jpg



Waterward slope covered by dense vegetation.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	40 (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						
Comment Code						
Inspector Comment						
FS_ID:37607 DS_ID:22389 EP_NO: 9396 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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 pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (five 72-inch pipes [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, 2005. USACE Sacramento O&M Manual Unit No. 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete culvert drains]. FS Date: 6/10/2014						

Photo 3 of 3 : UCIP\_FA\_2017\_37607\_68204.jpg



Concrete structure located on landward side.

LM Start	1.48	Rating **	C	Issue No.	25
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.830839 °	38.831009 °
				-121.821321 °	-121.821821 °
DWR ID	DWR_RD0108_01_s_2017_25				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
150' sloughing section on landside levee slope during 2017 storm events. Repaired as of inspection date.					

No Photos

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	1.93	Rating **	C	Issue No.	27
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.833274 °	38.833486 °
				-121.829056 °	-121.829696 °
DWR ID	DWR_RD0108_01_s_2017_27				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
150' sloughing section on crown and landside levee slope during 2017 storm events. Repaired as of inspection date.					

No Photos

LM Start	2.91	Rating **	M	Issue No.	41
LM End	2.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.838696 °	38.838696 °
				-121.845843 °	-121.845843 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39707					
DS_ID:24875					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 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: Corrugated Metal (CM) pipe riser located on waterward side. Riser is filled with trash and debris. Unable to determine if crossing exists at this location.					
FS Date: 3/18/2014					

Photo 1 of 3 : UCIP\_FA\_2017\_39707\_71682.jpg



View of waterward side.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	2.91	Rating **	M	Issue No.	41 (cont)	
LM End	2.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.838696 °	38.838696 °	
				-121.845843 °	-121.845843 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39707						
DS_ID:24875						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 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: Corrugated Metal (CM) pipe riser located on waterward side. Riser is filled with trash and debris. Unable to determine if crossing exists at this location.						
FS Date: 3/18/2014						

Photo 2 of 3 : UCIP\_FA\_2017\_39707\_71681.jpg



CMP riser located on waterward toe--2/3 filled with soil and trash.

LM Start	<b>2.91</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>2.91</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2017\_39707\_71680.jpg



View of waterward slope.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	2.99	Rating **	M	Issue No.	34
LM End	2.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.839151 °	38.839151 °
				-121.847321 °	-121.847321 °
DWR ID	DWR_RD0108_01_f_2017_34				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

LM Start	3.65	Rating **	C	Issue No.	23
LM End	3.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.842620 °	38.842620 °
				-121.858732 °	-121.858732 °
DWR ID	DWR_RD0108_01_f_2015_23				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	<b>4.16</b>	Rating **	A/W	Issue No.	<b>15</b>
LM End	<b>4.20</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.843700 °	38.843780 °	
			-121.867990 °	-121.868650 °	
DWR ID	DWR_RD0108_01_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:208 Site Designation:FSRP-15-28 Repair Type: Stability Rating:Area of Concern Field Date:8/28/2017 Notes: no new damage this year. Historical slope stability. Continue to monitor.					

No Photos

LM Start	<b>8.27</b>	Rating **	C	Issue No.	<b>26</b>
LM End	<b>8.27</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Cracking		38.882595 °	38.882595 °	
			-121.914669 °	-121.914669 °	
DWR ID	DWR_RD0108_01_f_2015_26				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

No Photos

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	9.17	Rating **	A/W	Issue No.	10
LM End	9.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.895605 °	38.896086 °
				-121.914645 °	-121.914646 °
DWR ID	DWR_RD0108_01_s_2017_10				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
200' section of multiple sloughs. District submitted request for PL 84-99 assistance.					

Photo 1 of 1 : FA\_2017\_RD0108\_203\_10\_20170911\_00002.jpg



View of sloughing on waterside slope. Spring 2017.

LM Start	9.18	Rating **	A/W	Issue No.	17	
LM End	9.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.895833 °	38.896142 °	
				-121.914672 °	-121.914445 °	
DWR ID	DWR_RD0108_01_f_2017_17					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:220						
Site Designation:RD 108-05						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes:						

Photo 1 of 3 : LEVAL\_FA\_2017\_220\_1418.jpg



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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	9.18	Rating **	A/W	Issue No.	17 (cont)	
LM End	9.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.895833 °	38.896142 °	
				-121.914672 °	-121.914445 °	
DWR ID	DWR_RD0108_01_f_2017_17					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:220						
Site Designation:RD 108-05						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes:						

LM Start	<b>9.18</b>	Rating **	A/W	Issue No.	<b>17 (cont)</b>
LM End	<b>9.20</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2017\_220\_1428.jpg



Photo 3 of 3 : LEVAL\_FA\_2017\_220\_1433.jpg



* 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 2017**

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	9.29	Rating **	A/W	Issue No.	18	
LM End	9.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.897338 °	38.897583 °	
				-121.914672 °	-121.914688 °	
DWR ID	DWR_RD0108_01_f_2017_18					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:219						
Site Designation:RD 108-04						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes:						

Photo 1 of 3 : LEVAL\_FA\_2017\_219\_1442.jpg



LM Start	<b>9.29</b>	Rating **	A/W	Issue No.	<b>18 (cont)</b>
LM End	<b>9.30</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2017\_219\_1443.jpg



* 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 2017**

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	9.29	Rating **	A/W	Issue No.	18 (cont)	
LM End	9.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.897338 °	38.897583 °	
				-121.914672 °	-121.914688 °	
DWR ID	DWR_RD0108_01_f_2017_18					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:219						
Site Designation:RD 108-04						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes:						

Photo 3 of 3 : LEVAL\_FA\_2017\_219\_1450.jpg



LM Start	9.30	Rating **	A/W	Issue No.	31
LM End	9.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.897494 °	38.897494 °
				-121.914680 °	-121.914680 °
DWR ID	DWR_RD0108_01_s_2017_31				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
100' sloughing section on waterside slope. District submitted application for PL 84-99 assistance.					

Photo 1 of 1 : FA\_2017\_RD0108\_203\_31\_20170911\_00011.jpg



View of sloughing on waterside slope. Spring 2017.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

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 stairway to access their monitoring site. Unable to verify permit.					

Photo 1 of 1 : FA\_2017\_RD0108\_203\_16\_20170911\_00003.jpg



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

LM Start	9.91	Rating **	M	Issue No.	30
LM End	9.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.906419 °	38.906419 °
				-121.914671 °	-121.914671 °
DWR ID	DWR_RD0108_01_f_2017_30				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	11.24	Rating **	M	Issue No.	42	
LM End	11.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.925662 °	38.925662 °	
				-121.914303 °	-121.914303 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39717						
DS_ID:24876						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine additional details of crossing.						
FIELD_STRUCT_DESC: Natural gas line with markers on both side slightly angled through levee. Gas station located across canal on landward side.						
FS Date: 3/18/2014						

Photo 1 of 3 : UCIP\_FA\_2017\_39717\_71705.jpg



View of marker visible on shoulder.

LM Start	11.24	Rating **	M	Issue No.	42 (cont)
LM End	11.24	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2017\_39717\_71704.jpg



Owner contact information listed on marker.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	11.24	Rating **	M	Issue No.	42 (cont)	
LM End	11.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.925662 °	38.925662 °	
				-121.914303 °	-121.914303 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39717						
DS_ID:24876						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine additional details of crossing.						
FIELD_STRUCT_DESC: Natural gas line with markers on both side slightly angled through levee. Gas station located across canal on landward side.						
FS Date: 3/18/2014						

Photo 3 of 3 : UCIP\_FA\_2017\_39717\_71703.jpg



Marker visible on waterward side.

LM Start	12.68	Rating **	A/W	Issue No.	19	
LM End	12.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.945305	°	38.945717
				-121.906692	°	-121.906717
DWR ID	DWR_RD0108_01_f_2017_19					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:218						
Site Designation:RD 108-03						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes: levee crown is inaccessible by vehicle due to crown slip failure						

Photo 1 of 3 : LEVAL\_FA\_2017\_218\_1466.jpg



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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	12.68	Rating **	A/W	Issue No.	19 (cont)	
LM End	12.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.945305°	38.945717°	
				-121.906692°	-121.906717°	
DWR ID	DWR_RD0108_01_f_2017_19					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:218						
Site Designation:RD 108-03						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes: levee crown is inaccessible by vehicle due to crown slip failure						

LM Start	<b>12.68</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>12.70</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2017\_218\_1467.jpg



Photo 3 of 3 : LEVAL\_FA\_2017\_218\_1473.jpg



* 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 2017**

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	12.68	Rating **	A/W	Issue No.	32
LM End	12.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.945376 °	38.945719 °
				-121.906768 °	-121.906773 °
DWR ID	DWR_RD0108_01_s_2017_32				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
150' sloughing section on crown and landside slope. District submitted an application for PL 84-99 assistance.					

Photo 1 of 2 : FA\_2017\_RD0108\_203\_32\_20170911\_00012.jpg



View of sloughing on crown and slope. Spring 2017.

LM Start	<b>12.68</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>12.71</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2017\_RD0108\_203\_32\_20170911\_00013.jpg



Additional view of sloughing. Spring 2017.

LM Start	14.42	Rating **	A/W	Issue No.	28
LM End	14.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.966547 °	38.966547 °
				-121.922360 °	-121.922360 °
DWR ID	DWR_RD0108_01_f_2017_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Small squirrel holes on landside slope. Recommend monitoring for future activity.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	14.47	Rating **	A/W	Issue No.	20	
LM End	14.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.967062 °		38.967770 °
				-121.923103 °		-121.924178 °
DWR ID	DWR_RD0108_01_f_2017_20					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:217						
Site Designation:RD 108-02						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes:						

LM Start	<b>14.47</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>14.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL\_FA\_2017\_217\_1489.jpg



Photo 2 of 3 : LEVAL\_FA\_2017\_217\_1493.jpg



* 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**

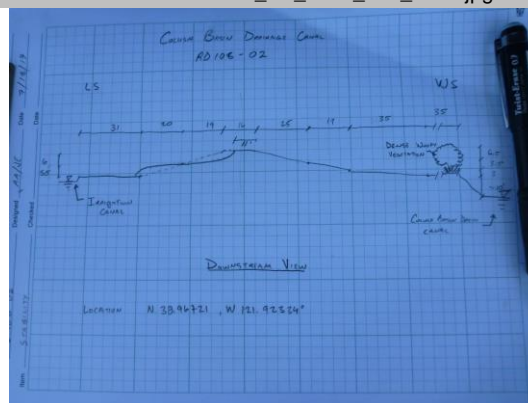
**Levee Inspection Report By Mile - Fall 2017**

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	14.47	Rating **	A/W	Issue No.	20 (cont)	
LM End	14.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.967062 °	38.967770 °	
				-121.923103 °	-121.924178 °	
DWR ID	DWR_RD0108_01_f_2017_20					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:217						
Site Designation:RD 108-02						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/18/2017						
Notes:						

Photo 3 of 3 : LEVAL\_FA\_2017\_217\_1499.jpg



LM Start	14.47	Rating **	A/W	Issue No.	33
LM End	14.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.967062 °	38.967784 °
				-121.923113 °	-121.924148 °
DWR ID	DWR_RD0108_01_s_2017_33				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
400' sloughing section on landside slope. District submitted an application for PL 84-99 assistance.					

Photo 1 of 1 : FA\_2017\_RD0108\_203\_33\_20170911\_00014.jpg



View of sloughing on landside slope. Spring 2017.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	14.76	Rating **	C	Issue No.	21
LM End	14.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.969852 °	38.969852 °
				-121.927023 °	-121.927023 °
DWR ID	DWR_RD0108_01_s_2017_21				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
100' slough section on landside slope from 2017 storm events. Repaired as of inspection date.					

No Photos

LM Start	14.94	Rating **	M	Issue No.	43
LM End	14.94	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.971607 °	38.971607 °
				-121.929499 °	-121.929499 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37623					
DS_ID:17942					
EP_NO: 3800					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner--marker missing on waterward side.					
FIELD_STRUCT_DESC: 20-inch concrete encased gas line through levee, 3.0 feet below the crown. Crossing appears to be angled through levee (App. 3800-PG&E) Small rock revetment on the waterward slope. (unable to locate) Gas well approximately 1,000 feet from landward toe.					
FS Date: 6/10/2014					

Photo 1 of 3 : UCIP\_FA\_2017\_37623\_68246.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 2017**

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	14.94	Rating **	M	Issue No.	43 (cont)
LM End	14.94	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.971607 °	38.971607 °
				-121.929499 °	-121.929499 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:37623  
DS\_ID:17942  
EP\_NO: 3800  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Need to contact owner--marker missing on waterward side.  
FIELD\_STRUCT\_DESC: 20-inch concrete encased gas line through levee, 3.0 feet below the crown. Crossing appears to be angled through levee (App. 3800-PG&E) Small rock revetment on the waterward slope. (unable to locate) Gas well approximately 1,000 feet from landward toe.  
FS Date: 6/10/2014

LM Start	<b>14.94</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>14.94</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2017\_37623\_68245.jpg



Contact information for gas line going through levee.

Photo 3 of 3 : UCIP\_FA\_2017\_37623\_68244.jpg



View of waterward side. No marker visible on waterward side.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	17.26	Rating **	A/W	Issue No.	22
LM End	17.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.995187 °	38.995772 °
				-121.960158 °	-121.960617 °
DWR ID	DWR_RD0108_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:216					
Site Designation:RD 108-01					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes:					

LM Start	17.26	Rating **	A/W	Issue No.	22 (cont)
LM End	17.30	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL\_FA\_2017\_216\_1502.jpg



Photo 2 of 3 : LEVAL\_FA\_2017\_216\_1503.jpg



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

## Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	17.26	Rating **	A/W	Issue No.	22 (cont)	
LM End	17.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.995187 °	38.995772 °	
				-121.960158 °	-121.960617 °	
DWR ID	DWR_RD0108_01_f_2017_22					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:216						
Site Designation:RD 108-01						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes:						

LM Start	17.26	Rating **	A/W	Issue No.	35
LM End	17.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.995293 °	38.995785 °
				-121.960200 °	-121.960776 °
DWR ID	DWR_RD0108_01_s_2017_35				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
200' sloughing section on landside slope. District submitted an application for PL 84-99 assistance.					

A wide, unpaved gravel road stretches into the distance under a clear blue sky. The road is flanked by green grass on the right and a line of trees on the left. A date stamp '05/09/2017' is visible in the bottom right corner.

View of sloughing on landside slope. Spring 2017.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	Zach Jojola

LM Start	17.73	Rating **	M	Issue No.	24
LM End	17.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.000307 °	39.000307 °
				-121.966020 °	-121.966020 °
DWR ID	DWR_RD0108_01_f_2017_24				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

LM Start	18.24	Rating **	M	Issue No.	29
LM End	18.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.005766 °	39.005766 °
				-121.972346 °	-121.972346 °
DWR ID	DWR_RD0108_01_f_2015_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA\_2017\_RD0108\_203\_29\_20170911\_00009.jpg



Updated view of a site with rodent activity. Fall 2016 inspection.

LM Start	<b>18.24</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>18.24</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2017\_RD0108\_203\_29\_20170911\_00010.jpg



View of the animal hole on the waterward side of the levee looking upstream. Fall 2015.

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

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

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/11/2017 10/11/2017	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					
Ditch is at the toe of the levee.					

Photo 1 of 1 : FA\_2017\_RD0108\_203\_6\_20170911\_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.	1
LM End	19.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.016727 °	39.017516 °
				-121.985411 °	-121.986374 °
DWR ID	DWR_RD0108_01_s_2016_1				
Comment Code					
Inspector Comment					
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. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: CBD_19-2_L]					

No Photos

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

**Unit Cover Sheet**

**Fall 2017 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)			<b>A</b>	
Date of Inspection	5/2/2017 - 5/2/2017		9/26/2017 - 9/26/2017	
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 2017**

**Reclamation District No. 0108 River Farms**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	09/26/2017 09/26/2017	Zach Jojola

LM Start	0.02	Rating **	C	Issue No.	6
LM End	0.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.796355 °	38.796355 °
				-121.727721 °	-121.727721 °
DWR ID	DWR_RD0108_02_f_2015_6				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.14	Rating **	A/W	Issue No.	8
LM End	0.15	Issue Type +	Ob	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.797632 °	38.797760 °
				-121.726162 °	-121.726070 °
DWR ID	DWR_RD0108_02_f_2015_8				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Cracks seems to have closed up after multiple inspection seasons. Recommend monitoring.					

Photo 1 of 2 : FA\_2017\_RD0108\_590\_8\_20170926\_00005.jpg



Updated photo of crack on crown of the levee. Fall 2017.

LM Start	<b>0.14</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>0.15</b>	Issue Type +	Ob	Location *	CR

Photo 2 of 2 : FA\_2017\_RD0108\_590\_8\_20170911\_00004.jpg



View of the crack on the crown of the levee looking downstream. Fall 2015.

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