Flood Control Project Maintenance
Levee Inspections

LMA District Cover Sheet

Spring 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)				

** 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 indiction of risk.

Comments

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 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)				
Date of Inspection	5/3/2017 - 5/3/2017			
DWR Inspector	Zach Jojola			
Accompanied By	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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	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	** 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.06**	Rating **	M	Issue No.	**38**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 1 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 1 of 3 : UCIP_SP_2017_37608_68207.jpg

View of concrete structure visible on waterward side.

LM Start	**0.06**	Rating **	M	Issue No.	**38 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A

Photo 2 of 3 : UCIP_SP_2017_37608_68210.jpg

Dense vegetation on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.06**	Rating **	M	Issue No.	**38 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 1 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 3 of 3 : UCIP_SP_2017_37608_68208.jpg

View of concrete structure visible on landward side.

LM Start	**0.06**	Rating **	M	Issue No.	**39**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 2 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 1 of 3 : UCIP_SP_2017_37609_68211.jpg

Concrete structure located on waterward side.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.06**	Rating **	M	Issue No.	**39 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 2 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 2 of 3 : UCIP_SP_2017_37609_68215.jpg

Dense vegetation covers the waterward slope.

LM Start	**0.06**	Rating **	M	Issue No.	**39 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A

Photo 3 of 3 : UCIP_SP_2017_37609_68213.jpg

View of concrete structure located on landward side.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.06**	Rating **	M	Issue No.	**40**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 3 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 1 of 3 : UCIP_SP_2017_37610_68216.jpg

Concrete structure located on waterward side.

LM Start	**0.06**	Rating **	M	Issue No.	**40 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A

Photo 2 of 3 : UCIP_SP_2017_37610_68219.jpg

Dense vegetation covers waterward side slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.06**	Rating **	M	Issue No.	**40 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 3 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 3 of 3 : UCIP_SP_2017_37610_68217.jpg

Concrete structure located on landward side.

LM Start	**0.06**	Rating **	M	Issue No.	**41**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 4 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 1 of 3 : UCIP_SP_2017_37611_68220.jpg

Concrete structure located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.06**	Rating **	M	Issue No.	**41 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A
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: 4 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 2 of 3 : UCIP_SP_2017_37611_68224.jpg

Waterward slope covered by dense vegetation.

LM Start	**0.06**	Rating **	M	Issue No.	**41 (cont)**
LM End	**0.06**	Issue Type +	Ma	Location *	N/A

Photo 3 of 3 : UCIP_SP_2017_37611_68222.jpg

Concrete structure visible on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.07**	Rating **	M	Issue No.	**42**
LM End	**0.07**	Issue Type +	Ma	Location *	N/A
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: 5 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 1 of 3 : UCIP_SP_2017_37607_68203.jpg

Concrete structure located on waterward side.

LM Start	**0.07**	Rating **	M	Issue No.	**42 (cont)**
LM End	**0.07**	Issue Type +	Ma	Location *	N/A

Photo 2 of 3 : UCIP_SP_2017_37607_68206.jpg

Waterward slope covered by dense vegetation.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.07**	Rating **	M	Issue No.	**42 (cont)**
LM End	**0.07**	Issue Type +	Ma	Location *	N/A
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: 5 of 5. Five 72-inch abandoned pipes or culvert through levee 31.6 feet below crown. Slide gates on both ends. (App. 9736-RD 108) Ramp on landward slope. (App.9396-RD). O&M Manual SAC 132; October 1959
FS Date: 6/10/2014

Photo 3 of 3 : UCIP_SP_2017_37607_68204.jpg

Concrete structure located on landward side.

LM Start	**0.10**	Rating **	U	Issue No.	**19**
LM End	**3.53**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.823151 °	38.842055 °
				-121.797639 °	-121.856554 °
DWR ID	DWR_RD0108_01_s _ 2017_19				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0108_203_19_20170503_00038.jpg

Tall grass on waterside levee slope, blocking visibility/ Spring 2017.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**0.10**	Rating **	U	Issue No.	**24**
LM End	**16.25**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.823151 °	38.984452 °
				-121.797639 °	-121.947592 °
DWR ID	DWR_RD0108_01_s _ 2017_24				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0108_203_24_20170503_00039.jpg

Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	**1.48**	Rating **	M	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. District will attempt to repair this site without USACE assistance.

Photo 1 of 1 : SP_2017_RD0108_203_25_20170503_00040.jpg

View of sloughing on landside slope. Spring 2017.

LM Start	**1.93**	Rating **	M	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. District will atttempt to repair without USACE assistance.

Photo 1 of 1 : SP_2017_RD0108_203_27_20170503_00041.jpg

View of sloughing on landisde slope. Spring 2017.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**2.91**	Rating **	M	Issue No.	**43**
LM End	**2.91**	Issue Type +	En	Location *	LS
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 deris. Unable to determine if crossing exists at this location.
FS Date: 3/18/2014

Photo 1 of 3 : UCIP_SP_2017_39707_71682.jpg

View of waterward side.

LM Start	**2.91**	Rating **	M	Issue No.	**43 (cont)**
LM End	**2.91**	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_39707_71681.jpg

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

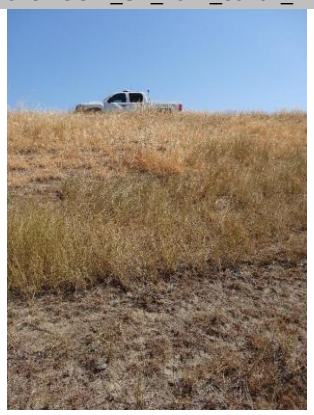
LM Start	**2.91**	Rating **	M	Issue No.	**43 (cont)**
LM End	**2.91**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.838696 °	38.838696 °
				-121.845843 °	-121.845843 °
DWR ID					

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 deris. Unable to determine if crossing exists at this location.
FS Date: 3/18/2014

Photo 3 of 3 : UCIP_SP_2017_39707_71680.jpg



View of waterward slope.

LM Start	**3.65**	Rating **	M	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

Photo 1 of 1 : SP_2017_RD0108_203_23_20170320_00010.jpg

View of the debris on the waterward side of the levee. Fall 2015.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**3.97**	Rating **	U	Issue No.	**28**
LM End	**4.10**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.843293 °	38.843562 °
				-121.864588 °	-121.866885 °
DWR ID	DWR_RD0108_01_s _ 2017_28				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0108_203_28_20170503_00042.jpg

Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	**4.56**	Rating **	U	Issue No.	**30**
LM End	**20.64**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.844511 °	39.033933 °
				-121.875348 °	-121.993293 °
DWR ID	DWR_RD0108_01_s _ 2017_30				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0108_203_30_20170503_00043.jpg

Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	**5.92**	Rating **	C	Issue No.	**17**
LM End	**6.06**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.852230 °	38.853967 °
				-121.897211 °	-121.898571 °
DWR ID	DWR_RD0108_01_s _ 2016_17				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

No Photos

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**8.27**	Rating **	A/W	Issue No.	**26**
LM End	**8.27**	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

Cracking still visible, but appears to have closed up during winter season. Recommend monitoring.

Photo 1 of 1 : SP_2017_RD0108_203_26_20170320_00011.jpg

View of the crack on the waterward side of the levee looking upstream. Suggest monitoring the crack. Fall 2015.

LM Start	**8.98**	Rating **	C	Issue No.	**15**
LM End	**8.98**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.892912 °	38.892912 °
				-121.914636 °	-121.914636 °
DWR ID	DWR_RD0108_01_f _ 2016_15				

Comment Code

GA : Garbage

Inspector Comment

No Photos

LM Start	**9.17**	Rating **	U	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 : SP_2017_RD0108_203_10_20170503_00044.jpg

View of sloughing on waterside slope. Spring 2017.

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* 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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**9.30**	Rating **	M	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 : SP_2017_RD0108_203_31_20170503_00045.jpg

View of sloughing on waterside slope. Spring 2017.

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 : SP_2017_RD0108_203_16_20170320_00005.jpg

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

LM Start	**11.20**	Rating **	C	Issue No.	**18**
LM End	**11.20**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.925037 °	38.925037 °
				-121.914509 °	-121.914509 °
DWR ID	DWR_RD0108_01_s _ 2016_18				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

No Photos

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**11.24**	Rating **	M	Issue No.	**44**
LM End	**11.24**	Issue Type +	En	Location *	CR
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 addtional 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_SP_2017_39717_71705.jpg

View of marker visible on shoulder.

LM Start	**11.24**	Rating **	M	Issue No.	**44 (cont)**
LM End	**11.24**	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_39717_71704.jpg

Owner contact information listed on marker.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**11.24**	Rating **	M	Issue No.	**44 (cont)**
LM End	**11.24**	Issue Type +	En	Location *	CR
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 addtional 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_SP_2017_39717_71703.jpg

Marker visible on waterward side.

LM Start	**11.36**	Rating **	C	Issue No.	**20**
LM End	**12.19**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.927325 °	38.938291 °
				-121.913477 °	-121.907516 °
DWR ID	DWR_RD0108_01_s _ 2016_20				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

No Photos

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**12.68**	Rating **	M	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 sumitted an application for PL 84-99 assistance.

Photo 1 of 2 : SP_2017_RD0108_203_32_20170503_00046.jpg

View of sloughing on crown and slope. Spring 2017.

LM Start	**12.68**	Rating **	M	Issue No.	**32 (cont)**
LM End	**12.71**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0108_203_32_20170503_00047.jpg

Additional view of sloughing. Spring 2017.

LM Start	**14.47**	Rating **	U	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 : SP_2017_RD0108_203_33_20170503_00048.jpg

View of sloughing on landside slope. Spring 2017.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**14.76**	Rating **	M	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. District will repair without PL 84-99 assistance.

Photo 1 of 1 : SP_2017_RD0108_203_21_20170503_00049.jpg

View of slouhging on landside slope. Spring 2017.

LM Start	**14.94**	Rating **	M	Issue No.	**45**
LM End	**14.94**	Issue Type +	En	Location *	LS
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_SP_2017_37623_68246.jpg

Marker visible on landward side.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

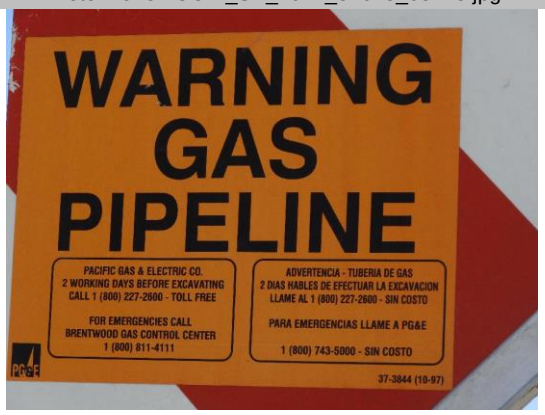
LM Start	**14.94**	Rating **	M	Issue No.	**45 (cont)**
LM End	**14.94**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.971607 °	38.971607 °
				-121.929499 °	-121.929499 °
DWR ID					

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 2 of 3 : UCIP_SP_2017_37623_68245.jpg



Contact information for gas line going through levee.

LM Start	**14.94**	Rating **	M	Issue No.	**45 (cont)**
LM End	**14.94**	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_37623_68244.jpg

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

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**15.46**	Rating **	C	Issue No.	**22**
LM End	**15.74**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.976684°	38.979377°
				-121.936696°	-121.940526°
DWR ID	DWR_RD0108_01_s _ 2016_22				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

No Photos

LM Start	**16.25**	Rating **	M	Issue No.	**34**
LM End	**17.45**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984453°	38.997350°
				-121.947591°	-121.962543°
DWR ID	DWR_RD0108_01_s _ 2017_34				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**17.26**	Rating **	U	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.

Photo 1 of 1 : SP_2017_RD0108_203_35_20170503_00050.jpg

View of sloughing on landside slope. Spring 2017.

* 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 Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	Zach Jojola

LM Start	**17.45**	Rating **	U	Issue No.	**36**
LM End	**20.32**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997350 °	39.031093 °
				-121.962543 °	-121.989451 °
DWR ID	DWR_RD0108_01_s _ 2017_36				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0108_203_36_20170503_00051.jpg

Tall grass on landside levee slope, blocking visibility. Spring 2017.

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 : SP_2017_RD0108_203_29_20170320_00012.jpg

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

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

Photo 2 of 2 : SP_2017_RD0108_203_29_20170320_00013.jpg

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	05/03/2017 05/03/2017	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 : SP_2017_RD0108_203_6_20170320_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

LM Start	**20.36**	Rating **	M	Issue No.	**37**
LM End	**20.64**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.031515°	39.033932°
				-121.989842°	-121.993293°
DWR ID	DWR_RD0108_01_s _ 2017_37				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

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* 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

Unit Cover Sheet

Spring 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)				
Date of Inspection	5/2/2017 - 5/2/2017			
DWR Inspector	Zach Jojola			
Accompanied By	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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	05/02/2017 05/02/2017	Zach Jojola

LM Start	**0.01**	Rating **	U	Issue No.	**2**
LM End	**0.27**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.796285 °	38.799029 °
				-121.727879 °	-121.724641 °
DWR ID	DWR_RD0108_02_s _ 2017_2				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0108_590_2_20170502_00006.jpg

Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	**0.02**	Rating **	M	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

Mound does not look fresh but seems to have come from the rodent hole.

Photo 1 of 3 : SP_2017_RD0108_590_6_20170320_00002.jpg

Mound next to rodent hole is more than 2 cubic feet of material.

LM Start	**0.02**	Rating **	M	Issue No.	**6 (cont)**
LM End	**0.02**	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2017_RD0108_590_6_20170320_00003.jpg

Perspective view of the rodent hole on the waterward side of the levee looking upstream. Spring 2016.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	05/02/2017 05/02/2017	Zach Jojola

LM Start	**0.02**	Rating **	M	Issue No.	**6 (cont)**
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

Mound does not look fresh but seems to have come from the rodent hole.

Photo 3 of 3 : SP_2017_RD0108_590_6_20170320_00004.jpg

Another hole is on top of the crown. Spring 2016.

LM Start	**0.03**	Rating **	C	Issue No.	**1**
LM End	**0.03**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.796447°	38.796447°
				-121.727487°	-121.727487°
DWR ID	DWR_RD0108_02_f _ 2016_1				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

Crown surface is damaged due to vehicular activity.

No Photos

LM Start	**0.10**	Rating **	U	Issue No.	**3**
LM End	**0.27**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.797130°	38.799027°
				-121.726712°	-121.724641°
DWR ID	DWR_RD0108_02_s _ 2017_3				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0108_590_3_20170502_00007.jpg

Tall grass on landside levee slope, blocking visibility. Spring 2017.

* 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 - Spring 2017

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	05/02/2017 05/02/2017	Zach Jojola

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 the rain, but it should be monitored.

Photo 1 of 1 : SP_2017_RD0108_590_8_20170320_00005.jpg

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

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