

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2014 Levee Inspection Results

Reclamation District No. 0817 Carlin

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles
Unit No. 01 South Dry Creek	Left	3.82

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/24/2014 - 04/24/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Joe Conant RD 817			
	Tom Engler RD 817			

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 2014

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek			Left	3.82	04/24/2014 04/24/2014	Matthew Hoffman

LM Start		Rating **	M	Issue No.	2	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_RD0817_01_s_2012_2					
Action/Comments						
Inspector Comments: No training records were available during the inspection.						

No Photos

LM Start		Rating **	A	Issue No.	9	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Operations & Maintenance Manuals				°	°
					°	°
DWR ID	DWR_RD0817_01_s_2013_9					
Action/Comments						

No Photos

LM Start		Rating **	A	Issue No.	10	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_RD0817_01_s_2013_10					
Action/Comments						

No Photos

* Location
LS : Land Side
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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.82	04/24/2014 04/24/2014	Matthew Hoffman

LM Start	0.00	Rating **	A/W	Issue No.	7
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984695 °	39.019369 °	
			-121.506115 °	-121.455139 °	
DWR ID	DWR_RD0817_01_f_2013_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : mhoffman_s_20140401_300.jpg



This photo was taken from the crown of the levee facing west looking at the vegetation on the waterward side of the levee.

LM Start	0.00	Rating **	A/W	Issue No.	11
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984695 °	39.019369 °	
			-121.506115 °	-121.455139 °	
DWR ID	DWR_RD0817_01_f_2013_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : mhoffman_s_20140428_486.jpg



This photo was taken from the levee crown facing west looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.82	04/24/2014 04/24/2014	Matthew Hoffman

LM Start	1.34	Rating **	M	Issue No.	1
LM End	1.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.997961 °	38.997961 °
				-121.488455 °	-121.488455 °
DWR ID	DWR_RD0817_01_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:12286 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Damaged slide gate on WS of the levee not properly abandoned. FIELD_STRUCT_DESC: Abandoned 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

Photo 1 of 1 : UCIP_573.jpg



WS- overview of WS area

LM Start	1.74	Rating **	M	Issue No.	8
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.002941 °	39.019763 °
				-121.484856 °	-121.454151 °
DWR ID	DWR_RD0817_01_s_2013_8				
Action/Comments					
Fence Inspector Comments: Wire fence at L/S levee toe.					

Photo 1 of 1 : mhoffman_s_20140401_301.jpg



Wire fence at L/S levee toe.

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

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway		Bank	Unit Miles
Unit No. 02 Bear River		Right	3.87

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/24/2014 - 04/24/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By	Joe Conant RD 817			
	Tom Engler RD 817			

Summer & Winter Inspections

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River			Right	3.87	04/24/2014 04/24/2014	Matthew Hoffman

LM Start	0.01	Rating **	A/W	Issue No.	5
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984502 °	38.987405 °	
			-121.505957 °	-121.476167 °	
DWR ID	DWR_RD0817_02_f_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : mhoffman_s_20140428_487.jpg



This photo was taken from the levee crown facing east looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

LM Start	0.01	Rating **	A/W	Issue No.	7
LM End	1.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984502 °	38.987405 °	
			-121.505958 °	-121.476167 °	
DWR ID	DWR_RD0817_02_f_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
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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Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	04/24/2014 04/24/2014	Matthew Hoffman

LM Start	0.27	Rating **	U	Issue No.	9
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984308 °	38.984308 °	
			-121.501561 °	-121.501561 °	
DWR ID	DWR_RD0817_02_f_2013_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry bushes have been sprayed but still need to be removed.					

Photo 1 of 1 : mhoffman_s_20140401_295.jpg



This photo was taken from the crown of the levee facing east looking at the blackberry bushes on the landward slope of the levee. They have been sprayed but still need to be removed.

LM Start	1.54	Rating **	M	Issue No.	11
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.986864 °	38.986864 °	
			-121.478243 °	-121.478243 °	
DWR ID	DWR_RD0817_02_s_2013_11				
Action/Comments					
Prunings					

Photo 1 of 1 : mhoffman_s_20140401_297.jpg



Pruning pile at L/S levee toe.

LM Start	1.76	Rating **	M	Issue No.	2
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.987851 °	38.987851 °	
			-121.474383 °	-121.474383 °	
DWR ID	DWR_RD0817_02_f_2013_2				
Action/Comments					
Landscaping					

No Photos

* Location LS : Land Side 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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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	04/24/2014 04/24/2014	Matthew Hoffman

LM Start	1.96	Rating **	M	Issue No.	3
LM End	1.96	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.988759 °	38.988759 °	
			-121.470871 °	-121.470871 °	
DWR ID	DWR_RD0817_02_f_2013_3				
Action/Comments					
Prunings					

No Photos

LM Start	2.08	Rating **	M	Issue No.	10
LM End	3.19	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.989338 °	38.994124 °	
			-121.468640 °	-121.449448 °	
DWR ID	DWR_RD0817_02_s_2012_10				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : mhoffman_s_20140401_296.jpg



Levee mile 2.08, this photo shows the slope is less than required, this is the downstream limit of the site, this is the waterside slope.

LM Start	2.12	Rating **	A/W	Issue No.	13
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.989468 °	38.992609 °	
			-121.468106 °	-121.453976 °	
DWR ID	DWR_RD0817_02_f_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	04/24/2014 04/24/2014	Matthew Hoffman

LM Start	2.12	Rating **	A/W	Issue No.	12
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.989469 °	38.992608 °	
			-121.468106 °	-121.453976 °	
DWR ID	DWR_RD0817_02_f_2013_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.17	Rating **	U	Issue No.	14
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.989727 °	38.989727 °	
			-121.467162 °	-121.467162 °	
DWR ID	DWR_RD0817_02_f_2013_14				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Medium sized animal burrow in the the waterward side of the levee slope.					

Photo 1 of 1 : mhoffman_s_20140401_298.jpg



This photo was taken from the crown of the levee facing east looking at a medium sized animal burrow in the the waterward side of the levee slope.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.87	04/24/2014 04/24/2014	Matthew Hoffman

LM Start	2.40	Rating **	M	Issue No.	1
LM End	2.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.990705 °	38.990705 °
				-121.463377 °	-121.463377 °
DWR ID	DWR_RD0817_02_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:12328 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Not properly abandoned crossing. FIELD_STRUCT_DESC: An abandoned 24-inch pipe through the levee, 12.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Abandoned pump and concrete riser on the bank. A tall CMP riser with 8-inch siphon breaker pipe at the landward toe. FS Date: 4/17/2013					

Photo 1 of 1 : UCIP_581.jpg



Levee Crown: CMP riser with slide gate on WS and slender CMP riser with siphon breaker on LS.

LM Start	3.74	Rating **	A/W	Issue No.	6
LM End	3.74	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.992656 °	38.992656 °
				-121.439508 °	-121.439508 °
DWR ID	DWR_RD0817_02_f_2013_6				
Action/Comments					
Repair slope instability. Inspector Comments: Separation line in the soil on the landward side between the clay and the sand.					

Photo 1 of 1 : mhoffman_s_20140401_294.jpg



This photo was taken from the crown of the levee facing east looking at the separation line in the soil on the land ward side between the clay and the sand.

* Location LS : Land Side 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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