

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2060 Reclamation District No. 2060 Hastings		Overall LMA Rating	Total LMA Miles						
		U	15.65						
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>									
Vegetation	7.33		7.33	46.85%					
Encroachments					2.17				
Erosion / Bank Caving	0.05	0.01	0.09	0.58%					
Repair Gates	0.01		0.01	0.06%					
<i>Supplemental</i>									
USACE Erosion Survey	0.99		0.99	6.33%					
DWR UCIP Field Study					0.05				
<i>LMA Totals:</i>	8.38	0.01	8.42	53.81%	2.22	0.00	0.00	0.00	
Unit No. 01 Lindsey Slough LB		Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD2060		M *	6.97						
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>									
Erosion / Bank Caving	0.05	0.01	0.09	1.29%					
Repair Gates	0.01		0.01	0.14%					
<i>Supplemental</i>									
USACE Erosion Survey	0.02		0.02	0.29%					
<i>Unit Totals:</i>	0.08	0.01	0.12	1.72% *	0.00	0.00	0.00	0.00	
Unit No. 02 Ulatis Creek RB		Overall Unit Rating	Total Unit Miles						
RD2060		U	3.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	7.33		7.33	201.28%					
Encroachments					2.17				
<i>Supplemental</i>									
DWR UCIP Field Study					0.02				
<i>Unit Totals:</i>	7.33	0.00	7.33	201.28%	2.19	0.00	0.00	0.00	
Unit No. 03 Cache Slough RB		Overall Unit Rating	Total Unit Miles						
RD2060		M	5.03						
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>Supplemental</i>									
USACE Erosion Survey	0.97		0.97	19.27%					
DWR UCIP Field Study					0.03				
<i>Unit Totals:</i>	0.97	0.00	0.97	19.27%	0.03	0.00	0.00	0.00	

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

Reclamation District No. 2060 Hastings

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

** 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 2014 Levee Inspection Results

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles
Unit No. 01 Lindsey Slough	Left	6.97

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/03/2014 - 04/03/2014		10/23/2014 - 10/23/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract		Mr. Mark Boyd RD 2060 Hastings Tract	
	Gilbert Cosio MBK Engineers		Gilbert Cosio MBK Engineers	

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 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/23/2014 10/23/2014	Herman Phillips

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2060_01_f_2014_4				
Action/Comments					
Inspector Comments: RD 2060 has the O&M Manual on file.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2060_01_f_2014_7				
Action/Comments					
Inspector Comments: RD 2060 has emergency supplies on hand.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2060_01_s_2012_12				
Action/Comments					
Inspector Comments: RD 2060 has trained staff for a flood fight.					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/23/2014 10/23/2014	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	3
LM End	6.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.247325 °	38.274841 °	
			-121.696303 °	-121.794855 °	
DWR ID	DWR_RD2060_01_f_2014_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD2060_241_3_20141027_00002.jpg



Looking downstream landside levee slope was cleaned and dragged by District. Levee mile 0.00 Unit 1

LM Start	0.56	Rating **	M	Issue No.	14
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.248630 °	38.248617 °	
			-121.706403 °	-121.706667 °	
DWR ID	DWR_RD2060_01_s_2012_14				
Action/Comments					
Note and monitor erosion site. Inspector Comments: District has placed some more rock in this area, they will place more later. 3-08-2011 viewed the erosion site, this site is still active. The district says that they will make repairs end of April or May 2011.					

No Photos

LM Start	1.70	Rating **	M	Issue No.	1
LM End	1.70	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.256535 °	38.257517 °	
			-121.724753 °	-121.724823 °	
DWR ID	DWR_RD2060_01_f_2014_1				
Action/Comments					
Inspector Comments: 2011 - Multiple erosion pockets. Deep cracks throughout site could lead to further bank failure. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: LDS_1-9_L]					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/23/2014 10/23/2014	Herman Phillips

LM Start	1.90	Rating **	M	Issue No.	9
LM End	1.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.256664 °	38.256664 °	
			-121.721535 °	-121.721535 °	
DWR ID	DWR_RD2060_01_s_2013_9				
Action/Comments					
Note and monitor erosion site. Inspector Comments: District has plans to bring material to be placed at site along with more rock, stated during the inspection 3-28-2013.					

No Photos

LM Start	1.91	Rating **	M	Issue No.	13
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.256664 °	38.256664 °	
			-121.724536 °	-121.724536 °	
DWR ID	DWR_RD2060_01_s_2013_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: It appears that this site is also active. Spring inspection 2013.					

No Photos

LM Start	1.92	Rating **	M	Issue No.	16
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.256766 °	38.256766 °	
			-121.724552 °	-121.724552 °	
DWR ID	DWR_RD2060_01_s_2013_16				
Action/Comments					
Note and monitor erosion site. Inspector Comments: At this location the material is soft and this site is much like the one at L/M 1.90 and L/M 1.91. District is aware of the sites and repairs are being planned.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/23/2014 10/23/2014	Herman Phillips

LM Start	2.34	Rating **	M	Issue No.	2
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.257224 °	38.257319 °
				-121.731953 °	-121.732423 °
DWR ID	DWR_RD2060_01_f_2014_2				
Action/Comments					
Inspector Comments: 2011 - Two erosion pockets from rotational failures. Very soft soil. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: LDS_2-4_L]					

No Photos

LM Start	2.40	Rating **	U	Issue No.	17
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.259254 °	38.259254 °
				-121.727257 °	-121.727257 °
DWR ID	DWR_RD2060_01_s_2013_17				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: District is aware of the problem, they are scheduling the area to be repaired 2014. During my inspection 10-23-2014 no new repairs has been done at this location. No new photo taken of site.					

Photo 1 of 1 : FA_2014_RD2060_241_17_20141027_00001.jpg



From RD 536 Looking across channel at RD 2060 Unit 1 erosion site levee mile 2.40 scour hole up to 20' deep and more than 50 feet across. Photo taken 10-08-2013. This erosion site is still active, District has it scheduled for repairs 2014.

LM Start	2.49	Rating **	M	Issue No.	18
LM End	2.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.257407 °	38.257407 °
				-121.732002 °	-121.732002 °
DWR ID	DWR_RD2060_01_s_2013_18				
Action/Comments					
Note and monitor erosion site.					

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2060 Hastings

Waterway		Bank	Unit Miles
Unit No. 02 Ulatis Creek		Right	3.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			U
Date of Inspection	04/03/2014 - 04/03/2014		10/23/2014 - 10/23/2014
DWR Inspector	Herman Phillips		Herman Phillips
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract		Mr. Mark Boyd RD 2060 Hastings Tract

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	10/23/2014 10/23/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	10
LM End	3.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.274841 °	38.296651 °	
			-121.794855 °	-121.748801 °	
DWR ID	DWR_RD2060_02_f_2014_10				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Looking downstream from landside slope.					

Photo 1 of 1 : FA_2014_RD2060_242_10_20141027_00005.jpg



Looking downstream from landside of levee slope.

LM Start	0.12	Rating **	M	Issue No.	2
LM End	1.78	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.276351 °	38.285819 °	
			-121.795922 °	-121.776942 °	
DWR ID	DWR_RD2060_02_s_2013_2				
Action/Comments					
Fence Inspector Comments: This fence should be removed from shoulder of levee section.					

No Photos

LM Start	0.16	Rating **	M	Issue No.	8
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.276922 °	38.288348 °	
			-121.795955 °	-121.776932 °	
DWR ID	DWR_RD2060_02_f_2014_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	10/23/2014 10/23/2014	Herman Phillips

LM Start	0.21	Rating **	M	Issue No.	9
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.277600 °	38.288627 °	
			-121.795975 °	-121.776823 °	
DWR ID	DWR_RD2060_02_f_2014_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.77	Rating **	M	Issue No.	1
LM End	1.77	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.285219 °	38.285219 °	
			-121.777085 °	-121.777085 °	
DWR ID	DWR_RD2060_02_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:18386 EP_NO: 10148 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: U-type concrete headwall on LS. Not accessible due to fence/vegetation is partially blocking inlet & outlet pipe. FIELD_STRUCT_DESC: 24-inch CM drainpipe through levee, 16.0 feet below crown, flap gate on waterward end. U-type concrete headwall on LS. Not accessible due to fence. Vegetation is partially blocking inlet & outlet pipe. FS Date: 8/15/2013					

No Photos

LM Start	1.78	Rating **	M	Issue No.	3
LM End	2.26	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.285819 °	38.290494 °	
			-121.776942 °	-121.772717 °	
DWR ID	DWR_RD2060_02_s_2013_3				
Action/Comments					
Fence					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	10/23/2014 10/23/2014	Herman Phillips

LM Start	2.09	Rating **	M	Issue No.	7
LM End	2.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289474 °	38.289474 °
				-121.775914 °	-121.775914 °
DWR ID	DWR_RD2060_02_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:18528 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: - Abandoned pump structure in stream Concrete distribution box on landside. Not accessible due to wired fence. Needs proper abandonment. FIELD_STRUCT_DESC: Abandoned pump structure in stream and a concrete distribution on landside. Not accessible due to wired fence. FS Date: 8/15/2013					

No Photos

LM Start	2.10	Rating **	M	Issue No.	4
LM End	2.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290085 °	38.290085 °
				-121.775486 °	-121.775486 °
DWR ID	DWR_RD2060_02_s_2013_4				
Action/Comments					
Wall Inspector Comments: Abandoned concrete structure at this location this was once used as a pump site.					

Photo 1 of 1 : FA_2014_RD2060_242_4_20141008_00001.jpg



This old block structure not in use was placed within the levee section. Photo taken 3-28-2013. No new photo of site during Spring Inspection 03-04-2014.

LM Start	2.12	Rating **	M	Issue No.	5
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290296 °	38.290296 °
				-121.775240 °	-121.775240 °
DWR ID	DWR_RD2060_02_s_2013_5				
Action/Comments					
Ditch					

No Photos

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

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2060 Hastings

Waterway		Bank	Unit Miles
Unit No. 03 Cache Slough		Right	5.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			M
Date of Inspection	04/03/2014 - 04/03/2014		10/23/2014 - 10/23/2014
DWR Inspector	Herman Phillips		Herman Phillips
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract		Mr. Mark Boyd RD 2060 Hastings Tract

Summer & Winter Inspections

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Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/23/2014 10/23/2014	Herman Phillips

LM Start	0.00	Rating **	C	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.296651 °	38.296651 °	
			-121.748801 °	-121.748800 °	
DWR ID	DWR_RD2060_03_s_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.296651 °	38.296651 °	
			-121.748800 °	-121.748800 °	
DWR ID	DWR_RD2060_03_f_2014_15				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The District has mowed both levee slopes landward and waterward, starting from levee mile 0.00 heading downstream.					

Photo 1 of 1 : FA_2014_RD2060_243_15_20141201_00014.jpg



Looking downstream from levee mile 0.00 landside levee slope, grasses has been mowed both landside and waterside.

LM Start	0.90	Rating **	M	Issue No.	11
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.290684 °	38.290684 °	
			-121.735668 °	-121.735668 °	
DWR ID	DWR_RD2060_03_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:18727 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seem abandoned. Not found- pump on LS Needs more exploration. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 2.8 feet below the crown. O&M Manual SAC 107, April 1959. FS Date: 8/15/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/23/2014 10/23/2014	Herman Phillips

LM Start	0.90	Rating **	M	Issue No.	13
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290684 °	38.290684 °
				-121.735639 °	-121.735639 °
DWR ID	DWR_RD2060_03_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:18726 EP_NO: 6342 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky siphon breaker may need to be repaired. Dense vegetation on WS. Not found- gate valve on LS. FIELD_STRUCT_DESC: 16-inch steel pipe through levee 8.0 feet below crown, vertical pump in drain ditch on land-side. Siphon breaker on waterside. (App. No. 6342-A - Hastings Farms) FS Date: 8/15/2013					

No Photos

LM Start	1.51	Rating **	M	Issue No.	10
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.288598 °	38.286051 °
				-121.725184 °	-121.722818 °
DWR ID	DWR_RD2060_03_f_2014_10				
Action/Comments					
Inspector Comments: Site added in 1997 and removed in 2003. 2005 - Put back in the inventory. 2006 - Stone repair at the middle of the site. 2011 - Some rock place at toe in the past year. 2013: Site extended both upstream and downstream to include new erosion pockets. [2013 Site ID: CHS_23-6_R]					

Photo 1 of 1 : FA_2014_RD2060_243_10_20141008_00008.jpg



USACE 2013 Photo #1

LM Start	1.96	Rating **	M	Issue No.	9
LM End	2.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.284105 °	38.283302 °
				-121.718471 °	-121.717814 °
DWR ID	DWR_RD2060_03_f_2014_9				
Action/Comments					
Inspector Comments: 2010 - Small maintenance site. 2013: No observed changes. [2013 Site ID: CHS_23-0_R]					

Photo 1 of 1 : FA_2014_RD2060_243_9_20141008_00007.jpg



USACE 2013 Photo #1

* 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 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/23/2014 10/23/2014	Herman Phillips

LM Start	2.11	Rating **	M	Issue No.	8
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.282847 °	38.282245 °
				-121.717549 °	-121.717058 °
DWR ID	DWR_RD2060_03_f_2014_8				
Action/Comments					
Inspector Comments: 2013: Pockets of erosion behind willows. [2013 Site ID: CHS_22-9_R]					

Photo 1 of 1 : FA_2014_RD2060_243_8_20141008_00006.jpg



USACE 2013 Photo #1

LM Start	2.18	Rating **	M	Issue No.	6
LM End	2.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.282069 °	38.281482 °
				-121.716891 °	-121.716356 °
DWR ID	DWR_RD2060_03_f_2014_6				
Action/Comments					
Inspector Comments: 2007 - Geotechnical failure of midside slope and wave wash/scalloping in toe area. Stone revetment upstream and downstream of site. Similar sites are present all along the right bank downstream of this site, most could be repaired with some maintenance. 2010 - Minor new erosion. 2013: No observed changes. [2013 Site ID: CHS_22-8_R]					

Photo 1 of 1 : FA_2014_RD2060_243_6_20141008_00004.jpg



USACE 2013 Photo #1

LM Start	2.34	Rating **	M	Issue No.	5
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.280356 °	38.278214 °
				-121.714697 °	-121.712857 °
DWR ID	DWR_RD2060_03_f_2014_5				
Action/Comments					
Inspector Comments: 2008 - Small scour pockets and mid-slope wave wash. 2010 - More vegetation growth, could be fixed through maintenance. 2011 - Site extended downstream and new erosion. 2013: No observed changes. [2013 Site ID: CHS_22-6_R]					

Photo 1 of 1 : FA_2014_RD2060_243_5_20141008_00003.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	Issue Type 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 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/23/2014 10/23/2014	Herman Phillips

LM Start	2.54	Rating **	M	Issue No.	4
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.278109 °	38.277754 °	
			-121.712671 °	-121.712144 °	
DWR ID	DWR_RD2060_03_f_2014_4				
Action/Comments					
Inspector Comments: 2013: Erosion pockets into the levee toe. [2013 Site ID: CHS_22-5_R]					

Photo 1 of 1 : FA_2014_RD2060_243_4_20141008_00002.jpg



USACE 2013 Photo #1

LM Start	2.79	Rating **	A/W	Issue No.	3
LM End	3.25	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.280919 °	38.275177 °	
			-121.715756 °	-121.709777 °	
DWR ID	DWR_RD2060_03_s_2012_3				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	3.24	Rating **	M	Issue No.	14
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.270151 °	38.270151 °	
			-121.705782 °	-121.705782 °	
DWR ID	DWR_RD2060_03_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:18723 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a CMP riser was found on WS. FIELD_STRUCT_DESC: Only a CMP riser was found WS. All other features not found as described: 36-inch steel pipe through levee 15.0 feet below crown, slide gate in CM riser on waterward slope. (Asbestos bonded pipe.) Pump in pump house on pile structure in stream. Service pole and anchor on landward slope. Only a CMP riser was found WS. FS Date: 8/15/2013					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/23/2014 10/23/2014	Herman Phillips

LM Start	3.28	Rating **	A/W	Issue No.	12
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.270863 °	38.270324 °	
			-121.706800 °	-121.705904 °	
DWR ID	DWR_RD2060_03_s_2012_12				
Action/Comments					
Environmental Requirements. Inspector Comments: There was a fire this spring that burned this revegetation site, during the 2012 inspection new growth has sprouted up. During the 2013 inspection new sprouts continue to come up.					

No Photos

LM Start	3.67	Rating **	M	Issue No.	1
LM End	4.08	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.264585 °	38.260593 °	
			-121.698868 °	-121.696403 °	
DWR ID	DWR_RD2060_03_f_2014_1				
Action/Comments					
Inspector Comments: 2011 - Several pockets of erosion from rotational failure and slumping toe. 2013: Site extended downstream to include new erosion pockets. [2013 Site ID: CHS_21-1_R]					

Photo 1 of 1 : FA_2014_RD2060_243_1_20141008_00001.jpg



USACE 2013 Photo #1

* 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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