

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2016 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)				

\*\* 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 2016 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)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract			

**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 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	03/22/2016 03/22/2016	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			o	o
DWR ID	DWR_RD2060_01_f_2014_4				
Comment Code					
Inspector Comment					
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			o	o
DWR ID	DWR_RD2060_01_f_2014_7				
Comment Code					
Inspector Comment					
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			o	o
DWR ID	DWR_RD2060_01_s_2012_12				
Comment Code					
Inspector Comment					
RD 2060 has trained staff for a flood fight.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>2.03</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.247232 °	38.258917 °	
			-121.697075 °	-121.725188 °	
DWR ID	DWR_RD2060_01_s_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD2060\_241\_10\_20160328\_00006.jpg



Looking downstream from levee mile 0.00 Unit 1 RD 2060. Weeds present on the landside slope.

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.248615 °	38.259118 °	
			-121.705692 °	-121.725507 °	
DWR ID	DWR_RD2060_01_s_2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>1.82</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.256048 °	38.256048 °	
			-121.724303 °	-121.724303 °	
DWR ID	DWR_RD2060_01_s_2016_13				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repairs are needed to this site. Need rock.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>1.86</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>1.93</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.256535 °	38.257517 °
				-121.724753 °	-121.724823 °
DWR ID	DWR_RD2060_01_s_2016_2				
Comment Code					
Inspector Comment					
2011 - Multiple erosion pockets. Deep cracks throughout site could lead to further bank failure. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: LDS_1-9_L]					

No Photos

LM Start	<b>2.40</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>2.74</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257383 °	38.257900 °
				-121.731128 °	-121.736858 °
DWR ID	DWR_RD2060_01_s_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>2.44</b>	Rating **	C	Issue No.	<b>1</b>
LM End	<b>2.47</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.257224 °	38.257319 °
				-121.731953 °	-121.732423 °
DWR ID	DWR_RD2060_01_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Two erosion pockets from rotational failures. Very soft soil. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: LDS_2-4_L]					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>3.17</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>3.53</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.259955 °	38.261165 °
				-121.742217 °	-121.747130 °
DWR ID	DWR_RD2060_01_s_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>3.65</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>3.65</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.261314 °	38.261314 °
				-121.749191 °	-121.749191 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41908 DS_ID:22050 EP_NO: 10119 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner and verify status of crossing. FIELD_STRUCT_DESC: 8-5/8-inch gas pipeline crosses Lindsey Slough to R.D. 536. Gasline marker on LS and sign board on WS. (Permit no. 10119) FS Date: 8/15/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_41908\_30541.jpg



WS view: gasoline sign board on levee slope.

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>3.76</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>3.76</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.261211 °	38.261211 °
				-121.751117 °	-121.751117 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41878 DS_ID:22045 EP_NO: 12784 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status and install signs if appropriate. FIELD_STRUCT_DESC: 8.625-inch diameter natural gas pipeline across the channel and both levees of Lindsey Slough. 4 feet below the crown. Gasline marker found off LS (Permit No. 12784). FS Date: 8/15/2013					

Photo 2 of 2 : UCIP\_SP\_2016\_41878\_30548.jpg



LS view: closer view of gasline indicator found on LS.

LM Start	<b>4.46</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>4.46</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260414 °	38.260414 °
				-121.762943 °	-121.762943 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41988 DS_ID:22051 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation on both levee slopes. FIELD_STRUCT_DESC: 24-inch abandoned pipe through the levee 17.0 feet below the crown. Closed slide gate (inoperable) on waterward end. Hasting Farms. (Not on encroachment list.) FS Date: 8/15/2013					

No Photos

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>5.08</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>5.08</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Repair Gates		38.263157 °	38.263157 °	
			-121.771543 °	-121.771543 °	
DWR ID	DWR_RD2060_01_s_2012_6				
Comment Code					
Inspector Comment					

No Photos

LM Start	<b>5.28</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>6.93</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.261330 °	38.274390 °	
			-121.773355 °	-121.795143 °	
DWR ID	DWR_RD2060_01_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Unit Cover Sheet**

**Spring 2016 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)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract			

**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 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>0.00</b>	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					
Comment Code					
Inspector Comment					
FS_ID:46769 DS_ID:22059 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: - Abandoned pump structure in stream needs proper abandonment- Not accessible due to wired fence 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					

Photo 1 of 2 : UCIP\_SP\_2016\_46769\_31088.jpg



WS view: abandoned pump support in stream/channel. Not accessible due to vegetation.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_46769\_31087.jpg



LS view: abandoned concrete distribution box. Not accessible due to wire fence.

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>10</b>
LM End	<b>3.54</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275135 °	38.296370 °	
			-121.795035 °	-121.750610 °	
DWR ID	DWR_RD2060_02_s_2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation on the levee slopes.					

Photo 1 of 1 : SP\_2016\_RD2060\_242\_10\_20160328\_00011.jpg



Looking downstream from levee mile 0.00 Unit 2 RD 2060 landside slope.

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>1.78</b>	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				
Comment Code					
FE : Fence					
Inspector Comment					
This fence has no permit.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>1.74</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>1.74</b>	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					
Comment Code					
Inspector Comment					
FS_ID:18386 DS_ID:22056 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					

Photo 1 of 2 : UCIP\_SP\_2016\_18386\_30873.jpg



WS view: overview of CMP from levee.

LM Start	<b>1.74</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>1.74</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2016\_18386\_30872.jpg



WS view: CM pipe with flap gate. Not accessible. Vegetation is partially blocking outlet pipe.

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>2.26</b>	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				
Comment Code					
FE : Fence					
Inspector Comment					
No permit for this fence.					

No Photos

LM Start	<b>2.12</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>2.12</b>	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				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>2.15</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>2.15</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290440 °	38.290440 °
				-121.774808 °	-121.774808 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41668 DS_ID:22060 EP_NO: 5927 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: verify pipe has been abandoned properly. - abandoned pump and pipe.- electrical box on WS shoulder. FIELD_STRUCT_DESC: *Abandoned* 18-inch steel pipe through levee 4.0 feet below crown, siphon breaker on landward slope. Pump on piling on bank, distribution box at landward toe. (Permit No. 5927 - Cache Slough Pheasant Club). FS Date: 8/15/2013					

Photo 1 of 2 : UCIP\_SP\_2016\_41668\_31161.jpg



WS view: electrical box on pole and pump structure in background.

LM Start	<b>2.15</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_41668\_31160.jpg



WS view: pump on pile structure with stairs on bank.

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>2.22</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>2.22</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290475 °	38.290475 °	
			-121.773390 °	-121.773390 °	
DWR ID	DWR_RD2060_02_s_2013_6				
Comment Code					
DT : Ditch					
Inspector Comment					
This ditch used for irrigation is not a new issue.					

Photo 1 of 1 : SP\_2016\_RD2060\_242\_6\_20160223\_00002.jpg



This ditch encroaches within the 10-foot easement. Photo taken 3-28-2013. No new photo was taken of this ditch during the Spring Inspection of 2014.

LM Start	<b>3.54</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.296370 °	38.296730 °	
			-121.750608 °	-121.749303 °	
DWR ID	DWR_RD2060_02_s_2016_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Unit Cover Sheet**

**Spring 2016 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)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract			

**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 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>0.61</b>	Rating **	A	Issue No.	<b>13</b>
LM End	<b>1.44</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.292018 °	38.289470 °	
			-121.740227 °	-121.726227 °	
DWR ID	DWR_RD2060_03_s_2016_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted weeds present on the levee section 0.61-1.41.					

Photo 1 of 1 : SP\_2016\_RD2060\_243\_13\_20160328\_00016.jpg



Looking downstream from levee mile 0.61 -1.44 Unit 3 RD 2060.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>0.90</b>	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					
Comment Code					
Inspector Comment					
FS_ID:18727 DS_ID:22067 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					

Photo 1 of 2 : UCIP\_SP\_2016\_18727\_31317.jpg



Waterside view: levee slope.

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.90</b>	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					
Comment Code					
Inspector Comment					
FS_ID:18727 DS_ID:22067 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					

Photo 2 of 2 : UCIP\_SP\_2016\_18727\_31316.jpg



Waterside view: levee slope and a steel pipe.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>0.90</b>	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					
Comment Code					
Inspector Comment					
FS_ID:18726 DS_ID:22063 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					

Photo 1 of 2 : UCIP\_SP\_2016\_18726\_31314.jpg



Landside view: pump, service pole, steel support structure, walkway, and pipe.

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>0.90</b>	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					
Comment Code					
Inspector Comment					
FS_ID:18726 DS_ID:22063 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					

Photo 2 of 2 : UCIP\_SP\_2016\_18726\_31313.jpg



Landside view: pipe and pump on steel structure in drain ditch.

LM Start	<b>1.52</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>1.74</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.288598 °	38.286051 °
				-121.725184 °	-121.722818 °
DWR ID	DWR_RD2060_03_s_2016_8				
Comment Code					
Inspector Comment					
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. 2015: No observed changes. [2015 Site ID: CHS_23-6_R]					

Photo 1 of 1 : SP\_2016\_RD2060\_243\_8\_20160223\_00007.jpg



USACE 2013 Photo #1

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>2.02</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>2.08</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.284105°	38.283302°
				-121.718471°	-121.717814°
DWR ID	DWR_RD2060_03_s_2016_1				
Comment Code					
Inspector Comment					
2010 - Small maintenance site. 2015: No observed changes. [2015 Site ID: CHS_23-0_R]					

Photo 1 of 1 : SP\_2016\_RD2060\_243\_1\_20160223\_00001.jpg



USACE 2013 Photo #1

LM Start	<b>2.18</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>2.23</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.282100°	38.281510°
				-121.716817°	-121.716319°
DWR ID	DWR_RD2060_03_s_2016_7				
Comment Code					
Inspector Comment					
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. 2015: No observed changes. [2015 Site ID: CHS_22-8_R]					

Photo 1 of 1 : SP\_2016\_RD2060\_243\_7\_20160223\_00006.jpg



USACE 2013 Photo #1

LM Start	<b>2.29</b>	Rating **	A/W	Issue No.	<b>3</b>
LM End	<b>2.80</b>	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				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>2.35</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>2.53</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.280377 °	38.278306 °
				-121.714633 °	-121.712722 °
DWR ID	DWR_RD2060_03_s_2016_4				
Comment Code					
Inspector Comment					
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. 2015: No observed changes. [2015 Site ID: CHS_22-6_R]					



LM Start	<b>2.55</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.278145 °	38.277774 °
				-121.712609 °	-121.712137 °
DWR ID	DWR_RD2060_03_s_2016_5				
Comment Code					
Inspector Comment					
2013 - Erosion pockets into the levee toe. 2015: Erosion pockets have increased in size. [2015 Site ID: CHS_22-5_R]					



LM Start	<b>2.79</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>2.79</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.275302 °	38.275302 °
				-121.710130 °	-121.710127 °
DWR ID	DWR_RD2060_03_s_2016_6				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					



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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>3.17</b>	Rating **	A/W	Issue No.	<b>12</b>
LM End	<b>3.23</b>	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				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
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	<b>3.24</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>3.24</b>	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					
Comment Code					
Inspector Comment					
FS_ID:18723 DS_ID:22064 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					

Photo 1 of 2 : UCIP\_SP\_2016\_18723\_31303.jpg



WS view: slide gate in CMP riser (bottom- marked) and may be abandoned pile for pump support (marked- right).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>3.24</b>	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					
Comment Code					
Inspector Comment					
FS_ID:18723 DS_ID:22064 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					

Photo 2 of 2 : UCIP\_SP\_2016\_18723\_31302.jpg



WS view: closer view of slide gate in CMP riser.

LM Start	<b>3.30</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>5.02</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269518 °	38.247523 °
				-121.705057 °	-121.696230 °
DWR ID	DWR_RD2060_03_s_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	03/22/2016 03/22/2016	Herman Phillips

LM Start	<b>3.78</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>4.09</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.264585 °	38.260593 °
				-121.698868 °	-121.696403 °
DWR ID	DWR_RD2060_03_s_2016_2				
Comment Code					
Inspector Comment					
2011 - Several pockets of erosion from rotational failure and slumping toe. 2013 - Site extended downstream to include new erosion pockets. 2015: No observed changes. [2015 Site ID: CHS_21-1_R]					

Photo 1 of 1 : SP\_2016\_RD2060\_243\_2\_20160223\_00002.jpg



USACE 2013 Photo #1

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