

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2015 Levee Inspection Results**

**Reclamation District No. 2103 Wheatland Vicinity**

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	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 2015 Levee Inspection Results**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles
Unit No. 01 South Dry Creek	Left	4.64

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/27/2015 - 05/27/2015			
DWR Inspector	Michael Pitta			
Accompanied By	Tom Engler			

**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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2103_01_s_2012_2				
Action/Comments					
Inspector Comments: LMA regularly attends flood fight training put on by RD784 and DWR.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2103_01_s_2013_5				
Action/Comments					
Inspector Comments: The manuals are located at Tom Englers office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>6</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2103_01_s_2013_6				
Action/Comments					
Inspector Comments: LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>0.56</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022514 °	39.022514 °
				-121.444814 °	-121.444814 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39986 DS_ID:24878 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: It appears this is the same line as the next entry however, permit calls for Southern Pacific Pipe Lines, Inc as the owner and the sign found in the field indicates Kinder Morgan as owner. Need to contact owner to clarify if 2 crossings exist or if crossing is same owner will need to update permit information. Also need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: Kinder Morgan line through levee. Markers visible on both banks. FS Date: 03/04/2014					

No Photos

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>0.56</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022513 °	39.022513 °
				-121.444813 °	-121.444813 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39985 DS_ID:19468 EP_NO: 3659 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. It appears this is the same line as the next entry however, permit calls for Southern Pacific Pipe Lines, Inc as the owner and the sign found in the field indicates Kinder Morgan as owner. Need to contact owner to clarify if 2 crossings exist or if crossing is same owner will need to update permit information. FIELD_STRUCT_DESC: 8-5/8-inch steel fuel line through the levee, 3.0 feet below the crown. Cutoff wall around pipe at centerline of levee. Pipe extends through overflow area. (Permit No. 3569-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.55). Markers visible on both sides. FS Date: 03/20/2014					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022654 °	39.022654 °
				-121.444665 °	-121.444665 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43823 DS_ID:19467 EP_NO: 16041 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Needs markers at levee crossing. FIELD_STRUCT_DESC: 2-inch steel communication conduit encasing telephone cable through the levee, 2-feet below the crown. Extends to junction box 10-feet from landward toe, parallel to railroad tracks. (Permit No. 16041-1993). FS Date: 03/18/2015					

No Photos

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022665 °	39.022665 °
				-121.444688 °	-121.444688 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39987 DS_ID:24879 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to obtain depth of line through levee. Also need permit authorizing conduit through levee. FIELD_STRUCT_DESC: Conduit line through levee. Markers visible on both sides. FS Date: 03/04/2014					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022733 °	39.022733 °
				-121.444626 °	-121.444626 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38323 DS_ID:19469 EP_NO: 2098 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. Marker on waterward slope. (Permit No. 2098-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.56). FS Date: 03/20/2014					

No Photos

LM Start	<b>0.64</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>0.64</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023513 °	39.023513 °
				-121.444168 °	-121.444168 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38324 DS_ID:19470 EP_NO: 789 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 16-inch steel gas line through levee, 3.0 feet below the crown. Concrete inspection chamber (24x18-inch with 4-inch walls) on the waterward shoulder, covered with dirt. Gas line marker on landward slope. Extends underneath Dry Creek channel, covered with concrete slab approx. 18-inches wide. (Permit No. 789-1939). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.63). FS Date: 03/20/2014					

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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**Levee Inspection Report By Mile - Spring 2015**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.024542 °	39.024542 °
				-121.441484 °	-121.441484 °
DWR ID	DWR_RD2103_01_s_2015_26				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>0.81</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.024725 °	39.024725 °
				-121.440978 °	-121.440978 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39988 DS_ID:24880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No marker found on waterward side--need to confirm with owner if crossing goes through levee. If so, need depth of crossing through levee. Also need to obtain permit number used to authorize crossing. FIELD_STRUCT_DESC: Conduit line through levee. Marker visible on landward side. FS Date: 03/04/2014					

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  
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**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>1.19</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>1.19</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998295 °	38.998295 °
				-121.415186 °	-121.415186 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39966 DS_ID:24881 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Gas line through levee. Markers visible on both sides. FS Date: 03/04/2014					

No Photos

LM Start	<b>1.85</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>1.85</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.029398 °	39.029398 °
				-121.424906 °	-121.424906 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41183 DS_ID:19473 EP_NO: 1886 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner. Severely corroded section of steel pipe present on waterward side--no other evidense present at this location. Owner will need to coordinate with CVFPB and DWR-Inspector to determine proper action to abandon crossing. FIELD_STRUCT_DESC: Abandoned 12-inch steel irrigation pipe through the levee, 3.1 feet below the crown. Siphon breaker on the waterward slope. Concrete standpipe at the landward toe. Vertical pump on waterward side. Open on waterward end. Permit includes gravel dam through channel of Dry Creek. (Permit No. 1886-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.86). Crossing is angled 45 degrees. FS Date: 03/20/2014					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>1.91</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>1.91</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.029694 °	39.029694 °
				-121.423946 °	-121.423946 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38327 DS_ID:19512 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if there is a crossing through pipe. Will need to coordinate with owner to determine additional information about appurtenances found on landward side. FIELD_STRUCT_DESC: Irrigation pump, service pole, and 36-inch concrete standpipe, 5 feet from the landward toe. No pump was found during field visit 3/20/14. FS Date: 03/20/2014					

No Photos

LM Start	<b>2.72</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>2.72</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.031590 °	39.031590 °
				-121.409870 °	-121.409870 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38331 DS_ID:19477 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.1 feet below the crown. Siphon breaker on the waterward slope. Pump on the landward side. Pipe crosses creek to orchard on north side (Permit No. 1887, 1954. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.68). FS Date: 03/20/2014					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>3.31</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.033172 °	39.029999 °	
			-121.400956 °	-121.400788 °	
DWR ID	DWR_RD2103_01_s_2015_23				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>3.31</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.033172 °	39.029998 °	
			-121.400956 °	-121.400788 °	
DWR ID	DWR_RD2103_01_s_2015_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>3.42</b>	Rating **	C	Issue No.	<b>7</b>
LM End	<b>3.42</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.031831 °	39.031831 °	
			-121.401406 °	-121.401406 °	
DWR ID	DWR_RD2103_01_f_2013_7				
Action/Comments					
Prunings					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>3.70</b>	Rating **	U	Issue No.	<b>38</b>
LM End	<b>3.70</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033074 °	39.033074 °
				-121.400434 °	-121.400434 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43954 DS_ID:19478 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flapgate open and won't close due to vegetation and soil blocking its operation. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate at the waterward end. FS Date: 03/26/2015					

No Photos

LM Start	<b>4.41</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>4.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.041051 °	39.041810 °
				-121.394931 °	-121.393951 °
DWR ID	DWR_RD2103_01_f_2013_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP\_2015\_RD2103\_10\_8\_20150318\_00003.jpg



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

LM Start	<b>4.42</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.041114 °	39.042225 °
				-121.394872 °	-121.393581 °
DWR ID	DWR_RD2103_01_s_2015_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>4.42</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.041113 °	39.042224 °	
			-121.394870 °	-121.393580 °	
DWR ID	DWR_RD2103_01_s_2015_19				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>4.51</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>4.51</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.042138 °	39.042138 °	
			-121.393666 °	-121.393666 °	
DWR ID	DWR_RD2103_01_s_2015_21				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	<b>4.52</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>4.52</b>	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.042220 °	39.042220 °	
			-121.393577 °	-121.393577 °	
DWR ID	DWR_RD2103_01_s_2015_20				
Action/Comments					
Fence					

Photo 1 of 1 : SP\_2015\_RD2103\_10\_20\_20150529\_00004.jpg



View of the fence blocking access to the crown of the levee. View is from the crown facing upstream.

<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 2015 Levee Inspection Results**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles
Unit No. 02 Bear River	Right	4.88

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/27/2015 - 05/27/2015			
DWR Inspector	Michael Pitta			
Accompanied By	Tom Engler RD 2103			

**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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>0.01</b>	Rating **	A/W	Issue No.	<b>21</b>
LM End	<b>2.95</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.993441 °	39.012376 °	
			-121.437253 °	-121.392299 °	
DWR ID	DWR_RD2103_02_s_2015_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>0.01</b>	Rating **	A/W	Issue No.	<b>20</b>
LM End	<b>2.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.993442 °	39.012376 °	
			-121.437253 °	-121.392299 °	
DWR ID	DWR_RD2103_02_s_2015_20				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_RD2103\_11\_20\_20150529\_00004.jpg



View of the vegetation on the landside of the levee facing upstream.

LM Start	<b>0.29</b>	Rating **	A/W	Issue No.	<b>4</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Riprap Revetments		38.994660 °	38.995537 °	
			-121.432170 °	-121.428535 °	
DWR ID	DWR_RD2103_02_s_2012_4				
Action/Comments					
Inspector Comments: The District has a concern with dead trees placed in the rip rap that may not stay in place during a high water event.					

Photo 1 of 2 : SP\_2015\_RD2103\_11\_4\_20150401\_00001.jpg



View of revetment with dead trees, Spring 2013.

<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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>0.29</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Riprap Revetments		38.994660 °	38.995537 °	
			-121.432170 °	-121.428535 °	
DWR ID	DWR_RD2103_02_s_2012_4				
Action/Comments					
Inspector Comments: The District has a concern with dead trees placed in the rip rap that may not stay in place during a high water event.					

Photo 2 of 2 : SP\_2015\_RD2103\_11\_4\_20150401\_00002.jpg



Trees at waters edge in the rip rap levee mile 0.30.

LM Start	<b>0.31</b>	Rating **	A/W	Issue No.	<b>3</b>
LM End	<b>0.48</b>	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.994756 °	38.995450 °	
			-121.431809 °	-121.428893 °	
DWR ID	DWR_RD2103_02_f_2013_3				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	<b>0.80</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>0.80</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.997000 °	38.997000 °	
			-121.423243 °	-121.423243 °	
DWR ID	DWR_RD2103_02_s_2015_22				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

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

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>1.31</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998301 °	38.998301 °
				-121.415296 °	-121.415296 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39992 DS_ID:19484 EP_NO: 1613 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. (Permit No. 1613-1951). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.30). FS Date: 03/20/2014					

No Photos

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>1.31</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998301 °	38.998301 °
				-121.415182 °	-121.415182 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39993 DS_ID:19486 EP_NO: 5714 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to confirm crossing and determine status. FIELD_STRUCT_DESC: 12-inch steel sewer pipes through the levee, 3.1 feet below the crown. Siphon breaker in 24-inch CM pipe riser on the landward shoulder. Standard CM cutoff wall around pipe at centerline of levee. Extends from wastewater treatment plant on landward side to waste water lagoon on waterward side. Permit includes construction of lagoon with surrounding short levee, extending from/to project levee. (Permit No. 5714-1968). FS Date: 03/20/2014					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>1.82</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>1.82</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000557 °	39.000557 °
				-121.406581 °	-121.406581 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44089 DS_ID:25090 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiberoptic line through the levee at unknown depth. Marker visible on WS shoulder. 6-inch steel pipe visible on upstream side of railroad trestle. FS Date: 03/26/2015					

No Photos

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.003268 °	39.003268 °
				-121.402917 °	-121.402917 °
DWR ID	DWR_RD2103_02_s_2015_23				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	<b>2.53</b>	Rating **	C	Issue No.	<b>6</b>
LM End	<b>2.53</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.008356 °	39.008356 °
				-121.397283 °	-121.397283 °
DWR ID	DWR_RD2103_02_f_2013_6				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

<b>* Location</b> LS : Land Side 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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>2.59</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>2.59</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.009249 °	39.009249 °
				-121.397334 °	-121.397334 °
DWR ID	DWR_RD2103_02_s_2015_24				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	<b>2.67</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>2.67</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.009394 °	39.009394 °
				-121.397300 °	-121.397300 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40045 DS_ID:19488 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has been plugged--visible on landward side. Need to contact owner to obtain additional information about abandoned crossing. FIELD_STRUCT_DESC: 1 of 2: 30-inch diameter CM irrigation pipe through levee, 13.8 feet below crown. Slide gates in 42-diameter riser on waterward slope. Concrete "U" headwall at both levee toes. Grouted spillway on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.67). FS Date: 03/20/2014					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>4.86</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.012374 °	39.031568 °
				-121.392280 °	-121.366986 °
DWR ID	DWR_RD2103_02_s_2015_25				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>4.04</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>4.04</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022486 °	39.022486 °
				-121.379343 °	-121.379343 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43957 DS_ID:19500 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Further evaluation necessary to determine alignment of crossing should be conducted. FIELD_STRUCT_DESC: 4-inch PVC water line through levee, 6-feet below the levee crown. Ball valve and Service connection point on LS shoulder. Pipe appears to run parallel to east, on LS slope just off crown but may cross at this location as well. An O+M entry matches the size and location for this crossing (O&M manual 1962, (HLM 4.05). FS Date: 03/26/2015					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>4.05</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>4.05</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022529 °	39.022529 °
				-121.379286 °	-121.379286 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40048 DS_ID:19510 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has been modified---need to contact owner to obtain permit used for modification. FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee, 8.0 feet below the crown. Slide gate in concrete square riser (not CM pipe riser as mentioned in desk study) on waterward slope. Concrete headwall and trash rack at toe of waterward slope. Breather pipe on landward slope. Dischare in irrigation ditch on landward side. Two CM cutoff walls. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.05). Replaced by multiple CM irrigation pipes under Permit No. 18081 (2006). FS Date: 03/20/2014					

No Photos

LM Start	<b>4.05</b>	Rating **	U	Issue No.	<b>37</b>
LM End	<b>4.05</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022556 °	39.022556 °
				-121.379210 °	-121.379210 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43958 DS_ID:19492 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers. Need to confirm line alignment and permit. Also need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 6.0 feet below the crown. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.05). FS Date: 03/26/2015					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>4.81</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>4.85</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.030977 °	39.031426 °
				-121.367465 °	-121.367073 °
DWR ID	DWR_RD2103_02_f_2013_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dead blackberries on the waterward slope need to be removed.					

No Photos

LM Start	<b>4.86</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>4.86</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.030340 °	39.030340 °
				-121.368535 °	-121.368535 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40049 DS_ID:19493 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has been modified---need to contact owner to obtain permit used for modification. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through levee, 10.6 feet below the crown. Slide gate in concrete square riser (not 36-inch CM riser as mentioned in desk study) on the waterward slope. Concrete "U" headwall and trash rack at waterward toe. 5x5-foot concrete distribution box and headwall at landward toe. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.87). FS Date: 03/20/2014					

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 2015**

**Reclamation District No. 2103 Wheatland Vicinity**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	05/27/2015 05/27/2015	Michael Pitta

LM Start	<b>4.86</b>	Rating **	U	Issue No.	<b>27</b>
LM End	<b>4.86</b>	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.031568 °	39.031568 °	
			-121.366981 °	-121.366981 °	
DWR ID	DWR_RD2103_02_s_2015_27				
Action/Comments					
Material Inspector Comments: It appears that the farmer cut into the levee, and pushed earthen material on levee crown.					

Photo 1 of 2 : SP\_2015\_RD2103\_11\_27\_20150529\_00005.jpg



View of material on levee crown from the crown facing upstream.

Photo 2 of 2 : SP\_2015\_RD2103\_11\_27\_20150529\_00006.jpg



View of material on levee crown from the crown facing upstream.

LM Start	<b>4.86</b>	Rating **	U	Issue No.	<b>27 (cont)</b>
LM End	<b>4.86</b>	Issue Type +	En	Location *	CR

<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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