

## Flood Control Project Maintenance Levee Inspections

### Fall 2020 Levee Maintenance Deficiency Summary Report

#### Sacramento River Basin

<b>RD2104</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2104 Peters Pocket Tract</b>	<b>U</b>	<b>6.85</b>						
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	1.55		1.55	22.63%				
Encroachments	0.03		0.03	0.44%	0.30	0.01		
Animal Control	0.23		0.23	3.36%				
Slope Stability	0.01		0.01	0.15%				
Crown Surface / Depressions / Rutting	6.69		6.69	97.69%				
Flood Preparedness & Training	0.07		0.07	1.02%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	8.58	0.00	8.58	125.29%	0.37	0.01	0.00	0.00

<b>Unit No. 01 Cache Slough/Unit No. 02 Haas Slough LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2104</b>	<b>U</b>	<b>6.85</b>						
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	1.55		1.55	22.63%				
Encroachments	0.03		0.03	0.44%	0.30	0.01		
Animal Control	0.23		0.23	3.36%				
Slope Stability	0.01		0.01	0.15%				
Crown Surface / Depressions / Rutting	6.69		6.69	97.69%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	8.51	0.00	8.51	124.26%	0.37	0.01	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet**

**Reclamation District No. 2104 Peters Pocket Tract**

	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**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway			Bank	Unit Miles
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough			Left	6.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/22/2020 - 4/22/2020		11/3/2020 - 11/3/2020	
DWR Inspector	David Julian		David Julian	
Accompanied By				

**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 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start		Rating **	M	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2104_01_s_2012_12				
Comment Code					
Inspector Comment					
District coordinates with adjacent district 2068 for flood fighting, but needs to have their staff flood fight trained.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2104_01_f_2012_14				
Comment Code					
Inspector Comment					
District has the O+M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	40
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2104_01_s_2012_40				
Comment Code					
Inspector Comment					
District has soil and sand on site, and coordinates with adjacent district 2068 for other materials.					

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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	0.15	Rating **	M	Issue No.	20
LM End	6.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.306277 °	38.308450 °
				-121.757693 °	-121.758568 °
DWR ID	DWR_RD2104_01_f _ 2016_20				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Add appropriate material, re-grade and compact for proper drainage.					

No Photos

LM Start	0.22	Rating **	M	Issue No.	18
LM End	0.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.305409 °	38.304384 °
				-121.756931 °	-121.756483 °
DWR ID	DWR_RD2104_01_s_2020_18				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch at the landside toe.					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_18\_20201009\_00003.jpg



View of ditch at the landside toe (Spring 2020).

LM Start	1.27	Rating **	M	Issue No.	23
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.296182 °	38.296182 °
				-121.744318 °	-121.744318 °
DWR ID	DWR_RD2104_01_f_2016_23				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Repair the slope damaged by cows.					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_23\_20201009\_00006.jpg



View looking downstream at trail caused by cows on the waterside slope (Fall 2019).

<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	<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	1.38	Rating **	M	Issue No.	25
LM End	1.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295688 °	38.295047 °
				-121.742466 °	-121.741238 °
DWR ID	DWR_RD2104_01_s_2020_25				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_25\_20201103\_00039.jpg



View looking downstream at vegetation on the crown (Fall 2020).

LM Start	1.42	Rating **	A/W	Issue No.	56
LM End	1.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.295668 °	38.295668 °
				-121.741779 °	-121.741779 °
DWR ID	24711				
Comment Code					
Inspector Comment					
DS_ID:24711					
FS_ID:24984					
EP_NO: 10185					
Repair Type: No Action Needed					
EVAL Issue:					
Crossing Status: Found					
UCIP Comments: 09/14/2017 Permit is unavailable, missing page 3 official permit documentation. (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 5.7 feet below the crown. Pump in an irrigation ditch on the landside (LS). Siphon breaker on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 10185, 1964 - Erwin E. and Lucy G. Vasser, limited details available electronic permit unavailable).					
[Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 1.52), Drawing Nos. 50-04-1977 and 50-04-3379].					
FS Date: 12/4/2013					

Photo 1 of 3 : UCIP\_FA\_2020\_24984\_45042.jpg



Pipe on LS slope with pump in irrigation ditch off LS toe visible in background.

<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	<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	<b>1.42</b>	Rating **	A/W	Issue No.	<b>56 (cont)</b>
LM End	<b>1.42</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.295668 °	38.295668 °	
			-121.741779 °	-121.741779 °	
DWR ID	24711				

Photo 2 of 3 : UCIP\_FA\_2020\_24984\_45041.jpg



Siphon breaker on pipe at WS slope.

LM Start	<b>1.42</b>	Rating **	A/W	Issue No.	<b>56 (cont)</b>
LM End	<b>1.42</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_24984\_45040.jpg



Pump in wooden distribution box off LS toe.

LM Start	1.58	Rating **	M	Issue No.	13
LM End	1.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.294097 °	38.294097 °
				-121.740133 °	-121.740133 °
DWR ID	DWR_RD2104_01_f_2020_13				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Cow path digging into levee.					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_13\_20201103\_00040.jpg



View of cow path down the landside slope (Fall 2020).

<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	<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	1.64	Rating **	A/W	Issue No.	26
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.293779 °	38.324495 °
				-121.739262 °	-121.758096 °
DWR ID	DWR_RD2104_01_f_2018_26				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 1.8 L					
Status: Critical					
2017 Field Notes: Deep cracking aobserved along the ENTIRE LEVEE;					
risk of total levee failure; vertical cracking is on both the waterside and					
landside, eminent slump failure expected.					
Site History:					

No Photos

LM Start	1.85	Rating **	M	Issue No.	19
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.292880 °	38.292880 °
				-121.735552 °	-121.735552 °
DWR ID	DWR_RD2104_01_f_2020_19				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Cow path on the landside slope					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_19\_20201103\_00041.jpg



View of cow path down the landside slope (Fall 2020).

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	2.10	Rating **	M	Issue No.	22
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.292058 °	38.292058 °
				-121.731555 °	-121.731555 °
DWR ID	DWR_RD2104_01_f_2020_22				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Cow path					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_22\_20201103\_00042.jpg



View of cow path down the landside slope (Fall 2020).

LM Start	2.40	Rating **	M	Issue No.	57
LM End	2.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291579 °	38.291579 °
				-121.726159 °	-121.726159 °
DWR ID	24726				
Comment Code					
Inspector Comment					
DS_ID:24726 FS_ID:41347 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 24-inch CMP debris on WS berm may indicate pipe was abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 108, April 1964, (HLM 2.60)]. FS Date: 12/4/2013					

Photo 1 of 1 : UCIP\_FA\_2020\_41347\_45043.jpg



Pipe debris on WS berm.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	2.90	Rating **	A/W	Issue No.	58
LM End	2.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.297380 °	38.297380 °
				-121.730166 °	-121.730166 °
DWR ID	24708				

**Comment Code**

**Inspector Comment**

DS\_ID:24708  
FS\_ID:24990  
EP\_NO: 10185  
Repair Type: No Action Needed  
EVAL Issue:  
Crossing Status: Found  
UCIP Comments: 09/14/2017 Permit is unavailable, missing page 3 official permit documentation. (DWR UCIP - O. Magana)  
FIELD\_STRUCT\_DESC: 12-inch steel drainage pipe through the levee, 4 feet below the crown. Pump on pile structure in drainage canal on the landside (LS). Siphon breaker in a 12-inch steel riser on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 10185, 1964 - Erwin E. and Lucy G. Vasser, limited information available electronic version of permit missing. Replaced under Permit No. 4412, 1963 - Erwin E. and Lucy G. Vassar, limited details available electronic permit copy unavailable). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 3.12), Drawing No. 50-04-3379].  
FS Date: 12/4/2013

LM Start	<b>2.90</b>	Rating **	A/W	Issue No.	<b>58 (cont)</b>
LM End	<b>2.90</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2020\_24990\_45047.jpg



Siphon breaker in steel riser on WS slope with pipe and flap gate visible in background at WS berm.

Photo 2 of 2 : UCIP\_FA\_2020\_24990\_45046.jpg



Pump on pier in ditch off LS toe.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	3.04	Rating **	M	Issue No.	59
LM End	3.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299447 °	38.299447 °
				-121.730444 °	-121.730444 °
DWR ID	24720				
Comment Code					
Inspector Comment					
DS_ID:24720 FS_ID:41834 EP_NO: 14184 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: Signs in disrepair and need proper markings. FIELD_STRUCT_DESC: 6-inch steel gas line through the levee, 3 feet below the crown. Signs on both toes of the levee. FS Date: 12/4/2013					

Photo 1 of 3 : UCIP\_FA\_2020\_41834\_45069.jpg



Sign on WS berm.

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_41834\_45068.jpg



Sign post on LS toe.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	3.04	Rating **	M	Issue No.	59 (cont)	
LM End	3.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.299447 °	38.299447 °	
				-121.730444 °	-121.730444 °	
DWR ID	24720					

Photo 3 of 3 : UCIP\_FA\_2020\_41834\_45070.jpg



Broken sign marker on LS toe.

LM Start	3.12	Rating **	M	Issue No.	60
LM End	3.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.300605 °	38.300605 °
				-121.730440 °	-121.730440 °
DWR ID	24707				

**Comment Code**

**Inspector Comment**

DS\_ID:24707  
 FS\_ID:24992  
 EP\_NO: 4412  
 Repair Type: Non-Urgent  
 EVAL Issue:  
 Crossing Status: Indicator Found  
 UCIP Comments: Heavy vegetation at concrete headwall on LS toe and at possible outlet area on WS toe. If possible, vegetation should be cleared to check if this is an accurate location. Erosion around backside of headwall at LS toe.  
 FIELD\_STRUCT\_DESC: 48-inch by 48-inch reinforced concrete box drainage culvert through the levee, 17 feet below the crown. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 3.37)].  
 FS Date: 12/4/2013

Photo 1 of 3 : UCIP\_FA\_2020\_24992\_45051.jpg



Vegetation covering possible location for 4X4 concrete culvert at LS toe.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	<b>3.12</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>3.12</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.300605 °	38.300605 °	
			-121.730440 °	-121.730440 °	
DWR ID	24707				

Photo 2 of 3 : UCIP\_FA\_2020\_24992\_45050.jpg



Vegetation covering possible location for 4X4 concrete culvert at LS toe.

LM Start	<b>3.12</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>3.12</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_24992\_45049.jpg



Some erosion on levee side of headwall at LS toe.

LM Start	3.77	Rating **	M	Issue No.	16
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.307885 °	38.307885 °
				-121.734590 °	-121.734590 °
DWR ID	DWR_RD2104_01_s_2020_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
One large hole in the landside slope.					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_16\_20201009\_00002.jpg




View of large hole in the landside slope (Spring 2020).

<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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## Levee Inspection Report By Mile - Fall 2020

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

Photo 1 of 1 : FA\_2020\_RD2104\_249\_15\_20201009\_00001.jpg



View looking upstream at terracing due to cows in the landside slope (Spring 2020).

Photo 1 of 1 : FA\_2020\_RD2104\_249\_21\_20201009\_00005.jpg



View looking downslope at cow path on the landside slope (Fall 2019).

Photo 1 of 1 : FA\_2020\_RD2104\_249\_27\_20201103\_00043.jpg



Dredged material on the waterside shoulder (Fall 2020).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.313955 °	38.313955 °	
			-121.739930 °	-121.739930 °	
DWR ID	24705				

**Comment Code**

**Inspector Comment**

DS\_ID:24705  
FS\_ID:51459  
EP\_NO: 10182  
Repair Type: Non-Urgent  
EVAL Issue:  
Crossing Status: Found  
UCIP Comments: 12/06/2016 Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks observed along pipe alignment (limited inspection on WS toe). According to LMA representative, this crossing was replaced 6 years ago (2010) at WS concrete apron. Recommend conducting internal inspection of pipe through the levee and LS to determine pipe integrity. (O. Magana - DWR UCIP)12/04/2013 Vegetation and soil buildup throughout pipe preventing flapgate from closing. Remove vegetation to allow gate to close properly. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. 36-inch concrete standpipe on the landside (LS) toe. Flap gate on the waterside (WS) toe. Two corrugated metal cutoff walls installed. (24-inch pipe [HLM 4.65] authorized under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 4.65), Drawing No. 50-04-3379].  
FS Date: 12/6/2016

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2020\_51459\_45062.jpg



CMP pipe and flapgate off WS toe.

Photo 2 of 3 : UCIP\_FA\_2020\_51459\_45061.jpg



36-inch concrete riser on LS toe at channel.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	4.31	Rating **	M	Issue No.	61 (cont)	
LM End	4.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.313955 °	38.313955 °	
				-121.739930 °	-121.739930 °	
DWR ID	24705					

Photo 3 of 3 : UCIP\_FA\_2020\_51459\_45060.jpg



36-inch concrete riser with vegetation buildup inside.

LM Start	4.31	Rating **	M	Issue No.	28
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.313998 °	38.313998 °
				-121.739940 °	-121.739940 °
DWR ID	DWR_RD2104_01_f_2020_28				
Comment Code					
MA : Material					
Inspector Comment					
Dredged material on the landside slope.					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_28\_20201103\_00044.jpg



View of dredged material on the landside slope (Fall 2020).

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	4.65	Rating **	M	Issue No.	62
LM End	4.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.317941 °	38.317941 °
				-121.743503 °	-121.743503 °
DWR ID	24704				
Comment Code					
Inspector Comment					
DS_ID:24704 FS_ID:25003 EP_NO: 10182 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: Sign on WS toe needs repair. FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, at the high elevation. Signs on both toes of the levee. (Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, Drawing No. 50-04-3379]. FS Date: 12/4/2013					

Photo 1 of 2 : UCIP\_FA\_2020\_25003\_45081.jpg



Gasline marker on LS toe.

LM Start	<b>4.65</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>4.65</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_FA\_2020\_25003\_45080.jpg



Sign pole on WS toe missing sign.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	4.67	Rating **	M	Issue No.	63	
LM End	4.67	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.318119 °	38.318119 °	
				-121.743730 °	-121.743730 °	
DWR ID	24703					
Comment Code						
Inspector Comment						
DS_ID:24703 FS_ID:25005 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 13.5 feet below the crown. Pump on pile structure in the stream. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two cutoff walls. Concrete U-shaped headwall and air vent at the landside (LS) toe. Electrical conduit through the levee at the same location. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 5.06), Drawing No. 50-04-3379]. FS Date: 12/4/2013						

LM Start	<b>4.67</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>4.67</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_FA\_2020\_25005\_45083.jpg



Concrete headwall on LS toe at irrigation ditch.

Photo 2 of 2 : UCIP\_FA\_2020\_25005\_45082.jpg



Slide gate in CMP riser on WS slope with pump on pier in background.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	4.71	Rating **	M	Issue No.	29
LM End	6.17	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318418 °	38.318088 °
				-121.744465 °	-121.758212 °
DWR ID	DWR_RD2104_01_f _ 2020_29				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	4.71	Rating **	M	Issue No.	31
LM End	4.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.318407 °	38.318407 °
				-121.744495 °	-121.744495 °
DWR ID	DWR_RD2104_01_f _ 2018_31				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limb on landside slope.					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_31\_20201009\_00009.jpg



View of down tree limb on the landside slope (November 2018).

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	4.72	Rating **	M	Issue No.	64	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.318432 °	38.318432 °	
				-121.744540 °	-121.744540 °	
DWR ID	24702					
Comment Code						
Inspector Comment						
DS_ID:24702 FS_ID:25006 EP_NO: 10182 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: Minor erosion of base under headwall on WS toe. Heavy corrosion of pipe at WS toe. Further evaluation of pipe integrity needed. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. Flap gate on the waterside (WS) end. (Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 12/4/2013						

Photo 1 of 3 : UCIP\_FA\_2020\_25006\_45086.jpg



Concrete U shaped headwall on WS toe.

LM Start	<b>4.72</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>4.72</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_25006\_45085.jpg



Concrete U shaped headwall on LS toe.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	4.72	Rating **	M	Issue No.	64 (cont)	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.318432 °	38.318432 °	
				-121.744540 °	-121.744540 °	
DWR ID	24702					

Photo 3 of 3 : UCIP\_FA\_2020\_25006\_45084.jpg



Concrete U shaped headwall on LS toe.

LM Start	4.72	Rating **	M	Issue No.	17
LM End	4.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.318463 °	38.320231 °
				-121.744636 °	-121.747979 °
DWR ID	DWR_RD2104_01_s_2020_17				
Comment Code					
DT : Ditch					
Inspector Comment					
There is a small ditch at the landside toe.					

No Photos

LM Start	4.96	Rating **	M	Issue No.	24
LM End	4.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.320382 °	38.320382 °
				-121.748155 °	-121.748155 °
DWR ID	DWR_RD2104_01_f_2017_24				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_24\_20201009\_00007.jpg



View looking upstream slope instability at the landside hinge (Spring 2020).

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	5.04	Rating **	M	Issue No.	55
LM End	5.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.321582 °	38.322872 °
				-121.748550 °	-121.748700 °
DWR ID	DWR_RD2104_01_s_2013_55				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Livestock are causing erosion and slumping at landside levee shoulder.					

No Photos

LM Start	5.09	Rating **	U	Issue No.	65
LM End	5.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.322215 °	38.322215 °
				-121.748418 °	-121.748418 °
DWR ID	24701				
Comment Code					
Inspector Comment					
DS_ID:24701 FS_ID:53387 EP_NO: 10182 Repair Type: Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/12/2018 Same as last inspection; concrete headwall on WS still being undermined so crossing remains Urgent (D. Sanoski - DWR UCIP).12/06/2016 same as last inspection--pipe remains "Urgent" CMP shows holes through wall and concrete headwall is undermined. Need to contact owner. Owner will need to work with the CVFPB to comply with Title 23. (O. Magana - DWR UCIP)12/04/2013 Footing under headwall on WS toe severely undermined. Pipe rusted heavily with holes at WS and may need replacement. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Two cutoff walls. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS). (24-inch pipe [HLM 5.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 5.5), listed as a 12-inch pipe, Drawing No. 50-04-3379, listed as an 18-inch pipe]. FS Date: 10/12/2018 5:06:00 PM					

Photo 1 of 3 : UCIP\_FA\_2020\_53387\_45090.jpg



Concrete U-shaped headwall on WS toe. Note erosion scarp around headwall.

<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	<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	5.09	Rating **	U	Issue No.	65 (cont)	
LM End	5.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.322215 °	38.322215 °	
				-121.748418 °	-121.748418 °	
DWR ID	24701					

Photo 2 of 3 : UCIP\_FA\_2020\_53387\_45089.jpg



Headwall undermined on WS toe.

LM Start	<b>5.09</b>	Rating **	U	Issue No.	<b>65 (cont)</b>
LM End	<b>5.09</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2020\_53387\_45088.jpg



Corrosion through pipe with holes on WS toe.

LM Start	6.25	Rating **	U	Issue No.	39
LM End	6.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.316909 °	38.316909 °
				-121.758194 °	-121.758194 °
DWR ID	DWR_RD2104_01_s_2020_39				
Comment Code					
DE : Debris					
Inspector Comment					
Remove debris at waterside toe.					

Photo 1 of 1 : FA\_2020\_RD2104\_249\_39\_20201009\_00010.jpg



View looking upstream at debris on the waterside toe (Spring 2020).

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	6.84	Rating **	M	Issue No.	66	
LM End	6.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.308404 °	38.308404 °	
				-121.758585 °	-121.758585 °	
DWR ID	24699					
Comment Code						
Inspector Comment						
DS_ID:24699 FS_ID:53385 EP_NO: 10184 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 10/12/2018 Crossing downgraded to Non-Urgent due to reclassification of gas lines. Need to contact owner to determine current status of crossing (D. Sanoski - DWR UCIP).12/06/2016 No indicators were found. According to LMA representative, the gas line has been abandoned and markers have been removed about 10-15 years ago. Solano County was performing work on the LS toe approximately 700 feet from LS toe and according to their underground service alert (USA) survey completed for their construction site no PGE line was identified. Need to contact owner to determine abandoned as-builts for 8-inch line. (O. Magana - DWR UCIP)12/04/2013 Pump station visible to north on LS toe. Good indicator of location. Need PG+E to mark pipe location. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch iron gas line through the levee, 2 feet below the crown. (8-inch gas line authorized under Automatic Board Order (ABO) issued as Permit No. 10184, 1974 - Pacific Gas and Electric Company [PG&E]. 8-inch gas line first referenced in the USACE O&M as-built drawings from 1956). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, Drawing No. 50-04-3379A, Sheet 3379/2, Page 2 of 7, (Station 82+30)]. FS Date: 10/12/2018 5:13:00 PM						

Photo 1 of 3 : UCIP\_FA\_2020\_53385\_76913.jpg



No signs present at ramp to enter RD2104.

LM Start	<b>6.84</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>6.84</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2020\_53385\_76914.jpg



No signs present of gas line.

<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 - Fall 2020**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	11/03/2020 11/03/2020	David Julian

LM Start	6.84	Rating **	M	Issue No.	66 (cont)
LM End	6.84	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.308404 °	38.308404 °
				-121.758585 °	-121.758585 °
DWR ID	24699				

Photo 3 of 3 : UCIP\_FA\_2020\_53385\_76915.jpg



Photo of where the line is estimated to cross on LS.

<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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