

Flood Control Project Maintenance Levee Inspections

Fall 2024 Levee Maintenance Deficiency Summary Report

Sacramento River Basin

RD2104	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2104 Peters Pocket Tract	U	6.85						
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	0.90	0.10	1.30	18.98%				
Encroachments					0.73			
Animal Control		0.01	0.04	0.58%				
Slope Stability	0.02	0.03	0.14	2.04%				
Erosion / Livestock	0.07	0.07	0.35	5.11%				
Flood Preparedness & Training	0.07		0.07	1.02%				
<i>Supplemental</i>								
DWR UCIP Field Study						0.01		
DWR UCIP LMA Responsibility	0.04	0.01	0.08	1.17%				
<i>LMA Totals:</i>	1.10	0.22	1.98	28.91%	0.73	0.01	0.00	0.00

Unit No. 01 Cache Slough/Unit No. 02 Haas Slough LB	Overall Unit Rating	Total Unit Miles						
RD2104	U	6.85						
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	0.90	0.10	1.30	18.98%				
Encroachments					0.73			
Animal Control		0.01	0.04	0.58%				
Slope Stability	0.02	0.03	0.14	2.04%				
Erosion / Livestock	0.07	0.07	0.35	5.11%				
<i>Supplemental</i>								
DWR UCIP Field Study						0.01		
DWR UCIP LMA Responsibility	0.04	0.01	0.08	1.17%				
<i>Unit Totals:</i>	1.03	0.22	1.91	27.89%	0.73	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	3/28/2024 - 3/28/2024		10/9/2024 - 10/9/2024	
DWR Inspector	Gregg McMillon		Gregg McMillon	
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 2024

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	10/09/2024 10/09/2024	Gregg McMillon

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					
FP : Flood Preparedness & Training					
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					
OM : O&M Manuals					
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					
ES : Emergency Supplies & Equipment					
Inspector Comment					
District has soil and sand on site, and coordinates with adjacent district 2068 for other materials.					

No Photos

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	0.15	Rating **	C	Issue No.	36
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.306221 °	38.306221 °
				-121.757734 °	-121.757734 °
DWR ID	DWR_RD2104_01_s_2024_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.19	Rating **	M	Issue No.	10
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305783 °	38.305616 °
				-121.757460 °	-121.757301 °
DWR ID	DWR_RD2104_01_f_2023_10				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2024_RD2104_249_10_20241001_00001.jpg



View of vegetation on the waterside slope near the shoulder (Fall 2023).

LM Start	0.65	Rating **	C	Issue No.	38
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.300005°	38.299921°
				-121.754035°	-121.753823°
DWR ID	DWR_RD2104_01_s_2024_38				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	0.97	Rating **	C	Issue No.	39
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.298552 °	38.298552 °
				-121.748563 °	-121.748563 °
DWR ID	DWR_RD2104_01_s _ 2024_39				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

No Photos

LM Start	0.98	Rating **	C	Issue No.	43
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.298461 °	38.298461 °
				-121.748463 °	-121.748463 °
DWR ID	DWR_RD2104_01_s _ 2024_43				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.24	Rating **	A/W	Issue No.	44
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.296453 °	38.296453 °
				-121.744700 °	-121.744700 °
DWR ID	DWR_RD2104_01_s _ 2024_44				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Monitor the cow path for further damage.					

Photo 1 of 1 : FA_2024_RD2104_249_44_20241001_00016.jpg



View of cattle path on the LS slope. (Spring 2024)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	1.26	Rating **	M	Issue No.	45
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.296337 °	38.296337 °
				-121.744503 °	-121.744503 °
DWR ID	DWR_RD2104_01_s_2024_45				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2024_RD2104_249_45_20241001_00017.jpg



View of cattle path on the LS slope. (Spring 2024)

LM Start	1.42	Rating **	A	Issue No.	59	
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:75136 EP_NO: 10185 Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 05/05/2022 Record remains No Action Needed. No issues observed during inspection. Running while there. System Feature. (D.Sanoski - DWR UCIP) 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. (16-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10185, 1964 - Erwin E. and Lucy G. Vassar). [Additional Reference(s): DWR Levee Log, 2006 (HLM 1.52). USACE Sacramento O&M Manual, Unit 108, April 1964, (HLM 1.52), listed as 16-inch pipe. USACE As-Built Drawing No. 50-04-3379, 22 January 1963, Sheet 5, Station 7+56]. FS Date: 5/5/2022 12:02:20 PM						

Photo 1 of 3 : UCIP_FA_2024_75136_112281.jpg



View of levee crown and pipe crossing.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	1.42	Rating **	A	Issue No.	59 (cont)
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				

Photo 2 of 3 : UCIP_FA_2024_75136_112278.jpg



View of pipe out of LS slope.

LM Start	1.42	Rating **	A	Issue No.	59 (cont)
LM End	1.42	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_75136_112279.jpg



View of pipe out of WS slope.

LM Start	1.46	Rating **	M	Issue No.	11
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295192 °	38.294959 °
				-121.741322 °	-121.741222 °
DWR ID	DWR_RD2104_01_f_2024_11				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2024_RD2104_249_11_20241009_00048.jpg



View of overgrown shrubs on the waterside shoulder. (Fall 2024)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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 - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	1.53	Rating **	C	Issue No.	46
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.294233 °	38.294134 °
				-121.741123 °	-121.740770 °
DWR ID	DWR_RD2104_01_s_2024_46				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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	Erosion / Livestock			38.294097 °	38.294097 °
				-121.740133 °	-121.740133 °
DWR ID	DWR_RD2104_01_f _ 2020_13				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is a cow path that is digging into levee.					

Photo 1 of 1 : FA_2024_RD2104_249_13_20241001_00002.jpg



View of the cow path down the LS slope (Spring 2023).

* 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
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

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	2018 USACE Erosion Survey			38.293779 °	38.324495 °
				-121.739262 °	-121.758096 °
DWR ID	DWR_RD2104_01_s_2022_26				
Comment Code					
Inspector Comment					
2018 Site ID: CHS 1.8 L					
Status: Critical					
2018 Field Notes: Last observed in 2017.					
Site History: 2017 - Deep cracking observed along the ENTIRE LEVEE; risk of total levee failure; vertical cracking is on both the waterside and landside, eminent slump failure expected.					

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	Erosion / Livestock			38.292880 °	38.292880 °
				-121.735552 °	-121.735552 °
DWR ID	DWR_RD2104_01_f_2020_19				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is a cow path on the landside slope.					

Photo 1 of 1 : FA_2024_RD2104_249_19_20241001_00004.jpg



View of cow path down the landside slope (Fall 2023).

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	1.89	Rating **	M	Issue No.	60	
LM End	1.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.292583 °	38.292583 °	
				-121.735120 °	-121.735120 °	
DWR ID	24721					
Comment Code						
Inspector Comment						
DS_ID:24721 FS_ID:75140 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 05/05/2022 Record remains Non-Urgent. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. System Feature. (D. Sanoski - DWR UCIP) FIELD_STRUCT_DESC: 16-inch drainage pipe of an unknown material through the levee, at an unknown depth. Flap gate on the waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 108, April 1964, (HLM 2.04), listed as 16-inch pipe]. FS Date: 5/5/2022 12:06:18 PM						

LM Start	1.89	Rating **	M	Issue No.	60 (cont)
LM End	1.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2024_75140_112292.jpg



View of levee crown.

Photo 2 of 3 : UCIP_FA_2024_75140_112291.jpg



View of WS slope.

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	1.89	Rating **	M	Issue No.	60 (cont)
LM End	1.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292583 °	38.292583 °
				-121.735120 °	-121.735120 °
DWR ID	24721				

Photo 3 of 3 : UCIP_FA_2024_75140_112293.jpg



View of LS slope.

LM Start	2.10	Rating **	M	Issue No.	15
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.292063 °	38.292063 °
				-121.731561 °	-121.731561 °
DWR ID	DWR_RD2104_01_f _ 2024_15				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Livestock path has formed on the landside slope.					

Photo 1 of 1 : FA_2024_RD2104_249_15_20241009_00049.jpg



View of livestock path formed on the landside slope. (Fall 2024)

LM Start	2.11	Rating **	M	Issue No.	16
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292087 °	38.292043 °
				-121.731379 °	-121.730941 °
DWR ID	DWR_RD2104_01_f_2024_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* 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 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	2.11	Rating **	M	Issue No.	18
LM End	2.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292094 °	38.292046 °
				-121.731371 °	-121.730947 °
DWR ID	DWR_RD2104_01_f _ 2024_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.40	Rating **	M	Issue No.	61	
LM End	2.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.291579 °	38.291579 °	
				-121.726159 °	-121.726159 °	
DWR ID	24726					
Comment Code						
Inspector Comment						
DS_ID:24726 FS_ID:75141 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 05/05/2022 Record remains Non-Urgent. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No physical sign of abandoned pipe stated in last comment. System Feature. (D. Sanoski - DWR UCIP) 12/04/2013 24-inch CMP debris on WS berm may indicate pipe was abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 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, Unit 108, April 1964, (HLM 2.60), listed as 24-inch pipe]. FS Date: 5/5/2022 12:58:09 PM						

Photo 1 of 3 : UCIP_FA_2024_75141_112294.jpg



View of levee crown.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	2.40	Rating **	M	Issue No.	61 (cont)
LM End	2.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.291579°	38.291579°
				-121.726159°	-121.726159°
DWR ID	24726				

Photo 2 of 3 : UCIP_FA_2024_75141_112296.jpg



View of WS slope.

LM Start	2.40	Rating **	M	Issue No.	61 (cont)
LM End	2.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_75141_112295.jpg



View of LS slope.

LM Start	2.48	Rating **	M	Issue No.	21
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292477 °	38.295566 °
				-121.726046 °	-121.728681 °
DWR ID	DWR_RD2104_01_f_2024_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	2.87	Rating **	U	Issue No.	22
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation	38.296991°		38.297270°	
		-121.730011°		-121.730158°	
DWR ID	DWR_RD2104_01_f_2024_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2024_RD2104_249_22_20241009_00050.jpg



View of tall vegetation on the landside slope. (Fall 2024)

LM Start	2.90	Rating **	A	Issue No.	62	
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:75142 EP_NO: 10185 Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 05/05/2022 Record remains No Action Needed. No issues observed during inspection. System Feature. (D.Sanoski - DWR UCIP) 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. This crossing replaces 12-inch pipe (see DSID 25961). (12-inch pipe authorized under Permit No. 4412, 1963 - Mr. and Mrs. Ervin E. Vassar). FS Date: 5/5/2022 12:58:29 PM						

Photo 1 of 3 : UCIP_FA_2024_75142_112298.jpg



View of levee crown.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	2.90	Rating **	A	Issue No.	62 (cont)
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				

Photo 2 of 3 : UCIP_FA_2024_75142_112297.jpg



View of pump on structure off LS toe.

LM Start	2.90	Rating **	A	Issue No.	62 (cont)
LM End	2.90	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_75142_112302.jpg



View of pipe with flap gate out of WS berm.

LM Start	2.92	Rating **	M	Issue No.	23
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.297670 °	38.298012 °
				-121.730278 °	-121.730363 °
DWR ID	DWR_RD2104_01_f_2024_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	3.16	Rating **	M	Issue No.	25
LM End	3.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.301120 °	38.301120 °
				-121.730348 °	-121.730348 °
DWR ID	DWR_RD2104_01_f _ 2024_25				
Comment Code					
PO : Pole					
Inspector Comment					
Remove wooden poles from landside toe.					

Photo 1 of 1 : FA_2024_RD2104_249_25_20241009_00051.jpg



View of wooden poles placed at the landside toe. (Fall 2024)

LM Start	3.21	Rating **	U	Issue No.	51
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.301804 °	38.301804 °
				-121.730454 °	-121.730454 °
DWR ID	DWR_RD2104_01_f_2024_51				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
4'x6'x1.5' erosion/depression in LS slope needs to be repaired.					

Photo 1 of 1 : FA_2024_RD2104_249_51_20241001_00018.jpg



View of erosion on landside slope. (Spring 2024)

LM Start	3.64	Rating **	U	Issue No.	27
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.306612°	38.306612°
				-121.733017°	-121.733017°
DWR ID	DWR_RD2104_01_f_2024_27				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Livestock activity has caused erosion that should be repaired by the LMA by backfilling and compacting loose material.					

Photo 1 of 1 : FA_2024_RD2104_249_27_20241009_00052.jpg



View of erosion caused by livestock activity on the landside slope. (Fall 2024)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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 - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	3.74	Rating **	M	Issue No.	28
LM End	3.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.307682 °	38.308183 °
				-121.734188 °	-121.735271 °
DWR ID	DWR_RD2104_01_f_2024_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.77	Rating **	M	Issue No.	37
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.307897 °	38.307897 °
				-121.734669 °	-121.734669 °
DWR ID	DWR_RD2104_01_s_2022_37				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is a small soil separation at top of landside slope.					

Photo 1 of 1 : FA_2024_RD2104_249_37_20241001_00012.jpg



View of small soil separation on LS shoulder (Spring 2023).

LM Start	3.77	Rating **	U	Issue No.	56
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.307931 °	38.307931 °
				-121.734664 °	-121.734664 °
DWR ID	DWR_RD2104_01_s_2024_56				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Exterminate or relocate animal and repair burrow in LS slope.					

Photo 1 of 1 : FA_2024_RD2104_249_56_20241001_00019.jpg



View of animal burrow on LS slope. (Spring 2024)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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 - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.00	Rating **	M	Issue No.	30
LM End	4.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.310672 °	38.310672 °
				-121.736185 °	-121.736185 °
DWR ID	DWR_RD2104_01_f_2024_30				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair depression in the landside slope by backfilling and compacting loose soil.					

Photo 1 of 1 : FA_2024_RD2104_249_30_20241009_00053.jpg



View of erosion on the landside slope. (Fall 2024)

LM Start	4.01	Rating **	U	Issue No.	63
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310861 °	38.310861 °
				-121.736185 °	-121.736185 °
DWR ID	25763				
Comment Code					
Inspector Comment					
DS_ID:25763 FS_ID:82597 EP_NO: N/A Repair Type: Urgent EVAL Issue: 3b, Flood Risk Crossing Status: Found UCIP Comments: 05/05/2022 Record is Urgent. Annular space between pipes under levee crown was not grouted. No permit has been found authorizing this pipe through the levee. (D.Sanoski - DWR UCIP) FIELD_STRUCT_DESC: 10-inch PVC pipe sleeved through a 12-inch CMP pipe through the levee, just beneath the levee crown. The annular space between the two pipes are not grouted. The 10-inch PVC pipe runs on the top of both levee slopes. Vertical pump on wooden pile structure in the drainage pit on landside (LS) with wooden walkway to it. Air release valve located on waterside (WS) slope. FS Date: 5/5/2022					

Photo 1 of 3 : UCIP_FA_2024_82597_112332.jpg



View of PVC pipe out of LS slope to pump.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.01	Rating **	U	Issue No.	63 (cont)
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310861°	38.310861°
				-121.736185°	-121.736185°
DWR ID	25763				

Photo 2 of 3 : UCIP_FA_2024_82597_112335.jpg



View of air release valve on WS slope.

LM Start	4.01	Rating **	U	Issue No.	63 (cont)
LM End	4.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2024_82597_112334.jpg



View of 10-inch PVC pipe sleeved through 12-inch CMP pipe just beneath the levee crown.

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.01	Rating **	M	Issue No.	64	
LM End	4.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.310873 °	38.310873 °	
				-121.736189 °	-121.736189 °	
DWR ID	24706					
Comment Code						
Inspector Comment						
DS_ID:24706 FS_ID:75666 EP_NO: 10183 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 05/05/2022 Record remains Non-Urgent. Crossing not found. Pipe was possibly removed in 2016. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (D. Sanoski - DWR UCIP) 12/01/2017 Pipe appears removed and replaced with PVC pipe. Refer to DSID 25763 for details on outstanding issue with new pipe, missing CVFPB permit, and construction documents. 12/06/2016 Pipe has been replaced with PVC pipe. The crossing is non-functional due to pipe not attached to new pump. Need to contact owner. Owner will need to coordinate with CVFPB regarding the modifications made to this crossing (modifications include pipe replacement, material used for pipe replacement, and debris left from construction on levees). (O. Magana - DWR UCIP) 12/04/2013 Pipe rusted through on WS berm. Siphon breaker in CMP riser blocked by riser misalignment. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, 4.0 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). One corrugated metal cutoff wall and a siphon breaker in a 24-inch corrugated metal pipe (CMP) riser located on the waterside (WS) shoulder. Flap gate on the WS end. (12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 10183, 1974 - Harold D. and Norma L. Miller). [Additional Reference(s): DWR Levee Log, 2006 (HLM 4.32). USACE Sacramento O&M Manual, Unit 108, April 1964, (HLM 4.32), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-3379, 22 January 1963, Sheets 4 and 10, Station 232+46]. FS Date: 5/5/2022 2:08:52 PM						

Photo 1 of 3 : UCIP_FA_2024_75666_45058.jpg



Pipe completely rusted through at WS berm.

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.01	Rating **	M	Issue No.	64 (cont)
LM End	4.01	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.310873 °	38.310873 °	
			-121.736189 °	-121.736189 °	
DWR ID	24706				

Photo 2 of 3 : UCIP_FA_2024_75666_45057.jpg



Pipe completely rusted through at WS berm.

LM Start	4.01	Rating **	M	Issue No.	64 (cont)
LM End	4.01	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_75666_45056.jpg



Pump on pier off LS toe at ponding area. power pole and meter on LS toe.

LM Start	4.02	Rating **	M	Issue No.	31
LM End	4.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.311013 °	38.311013 °
				-121.736289 °	-121.736289 °
DWR ID	DWR_RD2104_01_f _ 2024_31				
Comment Code					
MA : Material					
Inspector Comment					
Remove spoil material from landside slope.					

Photo 1 of 1 : FA_2024_RD2104_249_31_20241009_00054.jpg



View of loose soil located on the landside slope. (Fall 2024)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.10	Rating **	A/W	Issue No.	20
LM End	5.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.311688 °	38.323271 °
				-121.737386 °	-121.751440 °
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					

No Photos

LM Start	4.20	Rating **	U	Issue No.	32
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.312653 °	38.312653 °
				-121.738682 °	-121.738682 °
DWR ID	DWR_RD2104_01_f_2021_32				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is a livestock path on the LS slope.					

Photo 1 of 1 : FA_2024_RD2104_249_32_20241001_00008.jpg



View of livestock path on LS slope. (Spring 2024)

LM Start	4.24	Rating **	M	Issue No.	34
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.313189 °	38.313863 °
				-121.739141 °	-121.739875 °
DWR ID	DWR_RD2104_01_f_2024_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.31	Rating **	A	Issue No.	65	
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					
Comment Code						
Inspector Comment						
DS_ID:24705 FS_ID:75150 EP_NO: 10182 Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 05/05/2022 Record remains No Action Needed. No issues observed during inspection. Riser on LS toe removed. System Feature. (D. Sanoski - DWR UCIP) 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. (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 (HLM 4.65). USACE Sacramento O&M Manual, Unit 108, April 1964, (HLM 4.65), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-3379, 22 January 1963, Sheets 4 and 10, Station 216+73]. FS Date: 5/5/2022 2:19:23 PM						

Photo 1 of 3 : UCIP_FA_2024_75150_112338.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.31	Rating **	A	Issue No.	65 (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 2 of 3 : UCIP_FA_2024_75150_112341.jpg



View of pipe with flap gate out of concrete headwall on WS toe.

LM Start	4.31	Rating **	A	Issue No.	65 (cont)
LM End	4.31	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_75150_112337.jpg



View of open pipe on LS slope.

LM Start	4.69	Rating **	M	Issue No.	35
LM End	4.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318262 °	38.318479 °
				-121.744077 °	-121.744646 °
DWR ID	DWR_RD2104_01_f_2024_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.72	Rating **	M	Issue No.	66
LM End	4.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.318432 °	38.318432 °
				-121.744540 °	-121.744540 °
DWR ID	24702				
Comment Code					
Inspector Comment					
DS_ID:24702 FS_ID:75162 EP_NO: 10182 Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 05/05/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Erosion beneath WS headwall remains. (D. Sanoski - DWR UCIP) 12/04/2013 Minor erosion of base under headwall on WS toe. Heavy corrosion of pipe at WS toe. Further evaluation of pipe integrity needed. (W. Wylie - DWR UCIP) 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. Flap gate on the waterside (WS) end. (24-inch pipe [HLM HLM 5.09] authorized under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006 (HLM 5.09). USACE As-Built Drawing No. 50-04-3379, 09 April 1964, Sheets 3 and 9, STA 195+36, listed as 10-inch steel pipe]. FS Date: 5/5/2022 2:56:07 PM					

LM Start	4.72	Rating **	M	Issue No.	66 (cont)
LM End	4.72	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2024_75162_112380.jpg



View of levee crown.

Photo 2 of 3 : UCIP_FA_2024_75162_112383.jpg



View of concrete headwall and pipe inlet on LS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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 - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.72	Rating **	M	Issue No.	66 (cont)	
LM End	4.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.318432°	38.318432°	
				-121.744540°	-121.744540°	
DWR ID	24702					

Photo 3 of 3 : UCIP_FA_2024_75162_112379.jpg



View of concrete headwall and flap gate on WS slope.

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.					

Photo 1 of 1 : FA_2024_RD2104_249_17_20241001_00003.jpg



View of small ditch at the landside toe (Spring 2022).

LM Start	4.90	Rating **	M	Issue No.	42
LM End	4.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.319756 °	38.319756 °
				-121.747373 °	-121.747373 °
DWR ID	DWR_RD2104_01_s_2022_42				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : FA_2024_RD2104_249_42_20241001_00014.jpg



View of the erosion on the LS slope (Spring 2023).

* 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 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	4.96	Rating **	U	Issue No.	24
LM End	4.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.320382°	38.320382°
				-121.748155°	-121.748155°
DWR ID	DWR_RD2104_01_f_2017_24				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Cows are digging into the top of the landside shoulder and a livestock path has formed. The LMA should repair the erosion and maintain a buffer zone to reduce livestock activity.					

Photo 1 of 1 : FA_2024_RD2104_249_24_20241009_00055.jpg



View of livestock path on the LS slope. (Fall 2024)

LM Start	5.04	Rating **	M	Issue No.	47
LM End	5.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.321487 °	38.321895 °
				-121.748556 °	-121.748516 °
DWR ID	DWR_RD2104_01_f_2024_47				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	5.09	Rating **	U	Issue No.	67	
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:75165 EP_NO: 10182 Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 05/05/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. System Feature. (D. Sanoski - DWR UCIP) 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) 02/04/2013 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, 13.0 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS). This crossing replaces 12-inch pipe (see DSID 24723). (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 (HLM 5.50). USACE As-Built Drawing No. 50-04-3379, 09 April 1964, Sheet 9, Station 175+55]. FS Date: 5/5/2022 3:29:00 PM						

Photo 1 of 3 : UCIP_FA_2024_75165_112385.jpg



View of levee crown.

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

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	5.09	Rating **	U	Issue No.	67 (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_2024_75165_112388.jpg



View of concrete headwall with severe erosion on WS toe.

LM Start	5.09	Rating **	U	Issue No.	67 (cont)
LM End	5.09	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2024_75165_112384.jpg



View of flap gate on pipe out of WS headwall.

LM Start	5.09	Rating **	M	Issue No.	48
LM End	5.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.322227 °	38.322227 °
				-121.748424 °	-121.748424 °
DWR ID	DWR_RD2104_01_f_2024_48				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Cows are digging on the LS slope and a livestock path has developed.					

Photo 1 of 1 : FA_2024_RD2104_249_48_20241009_00056.jpg



View of livestock path and erosion on the landside slope. (Fall 2024)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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 - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	5.30	Rating **	M	Issue No.	58
LM End	5.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.323331°	38.323331°
				-121.751487°	-121.751487°
DWR ID	DWR_RD2104_01_s_2024_58				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Cows are digging on the LS slope and a livestock path has developed.					

Photo 1 of 1 : FA_2024_RD2104_249_58_20241001_00020.jpg



View of livestock erosion and livestock path on LS slope. (Spring 2024)

LM Start	5.31	Rating **	U	Issue No.	29
LM End	5.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			38.323337°	38.323576°
				-121.751672°	-121.752323°
DWR ID	DWR_RD2104_01_f_2021_29				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Cows are digging into the LS slope.					

Photo 1 of 1 : FA_2024_RD2104_249_29_20241001_00006.jpg



View of livestock erosion on LS slope. (Spring 2024)

LM Start	5.38	Rating **	M	Issue No.	49
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.323912 °	38.324994 °
				-121.752652 °	-121.754274 °
DWR ID	DWR_RD2104_01_f_2024_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Fall 2024

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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	5.39	Rating **	M	Issue No.	50
LM End	5.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.323967 °	38.324550 °
				-121.752693 °	-121.753184 °
DWR ID	DWR_RD2104_01_f _ 2024_50				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.48	Rating **	U	Issue No.	52
LM End	5.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.324882 °	38.324957 °
				-121.753952 °	-121.754165 °
DWR ID	DWR_RD2104_01_f_2024_52				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Livestock activity is causing erosion and soil cracking on the landside slope. Regrade and compact loose soil.					

Photo 1 of 1 : FA_2024_RD2104_249_52_20241009_00059.jpg



View of soil cracking observed on the landside slope. (Fall 2024)

LM Start	5.52	Rating **	U	Issue No.	53
LM End	5.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.325064 °	38.324627 °
				-121.754647 °	-121.755920 °
DWR ID	DWR_RD2104_01_f_2024_53				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2024_RD2104_249_53_20241009_00057.jpg



View of tall vegetation on the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2024****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	10/09/2024 10/09/2024	Gregg McMillon

LM Start	5.54	Rating **	M	Issue No.	54
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.325007°	38.324543°
				-121.755026°	-121.758062°
DWR ID	DWR_RD2104_01_f_2024_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2024_RD2104_249_54_20241009_00058.jpg



View of vegetation on the waterside slope. (Fall 2024)

LM Start	5.65	Rating **	M	Issue No.	33
LM End	6.14	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.324645 °	38.318415 °
				-121.756826 °	-121.758181 °
DWR ID	DWR_RD2104_01_f _ 2021_33				
Comment Code					
DT : Ditch					
Inspector Comment					
Move ditch outside of easement at levee toe.					

Photo 1 of 1 : FA_2024_RD2104_249_33_20241001_00009.jpg



View of the ditch along the LS toe (Spring 2023).

LM Start	5.72	Rating **	A/W	Issue No.	41
LM End	6.78	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.324538°	38.309240°
				-121.758050°	-121.758114°
DWR ID	DWR_RD2104_01_f_2022_41				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Monitor for settlement of the crown road and add material and regrade if necessary.					

No Photos

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