

## Flood Control Project Maintenance Levee Inspections

### Fall 2021 Levee Maintenance Deficiency Summary Report

#### Sacramento River Basin

<b>RD0556</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0556 Upper Andrus</b>	<b>U</b>	<b>11.20</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	2.86	2.88	14.38	128.39%	0.01	1.02		
Trim / Thin Trees	0.36	0.82	3.64	32.50%				
Encroachments	0.04	0.04	0.20	1.79%	0.27	0.02		
Animal Control	0.15	0.08	0.47	4.20%				
Slope Stability	0.01	0.02	0.09	0.80%				
Erosion / Bank Caving	0.04		0.04	0.36%				
Emergency Supplies & Equipment	0.11		0.11	0.98%				
Flood Preparedness & Training	0.11		0.11	0.98%				
<i>Supplemental</i>								
2018 USACE Erosion Survey	1.86		1.86	16.61%				
DWR UCIP Field Study					0.46	0.03		
<i>LMA Totals:</i>	5.54	3.84	20.90	186.60%	0.74	1.07	0.00	0.00
<b>Unit No. 01 Georgiana Slough RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0556</b>	<b>U</b>	<b>5.48</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		1.61	6.44	117.47%		0.47		
Trim / Thin Trees	0.12	0.76	3.16	57.64%				
Encroachments					0.03	0.01		
Animal Control	0.15		0.15	2.74%				
Slope Stability		0.01	0.04	0.73%				
Erosion / Bank Caving	0.03		0.03	0.55%				
<i>Supplemental</i>								
2018 USACE Erosion Survey	1.20		1.20	21.89%				
DWR UCIP Field Study					0.35	0.02		
<i>Unit Totals:</i>	1.50	2.38	11.02	201.01%	0.38	0.50	0.00	0.00
<b>Unit No. 02 Sacramento River LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0556</b>	<b>U</b>	<b>5.72</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	2.86	1.27	7.94	138.86%	0.01	0.55		
Trim / Thin Trees	0.24	0.06	0.48	8.39%				
Encroachments	0.04	0.04	0.20	3.50%	0.24	0.01		
Animal Control		0.08	0.32	5.60%				
Slope Stability	0.01	0.01	0.05	0.87%				
Erosion / Bank Caving	0.01		0.01	0.18%				
<i>Supplemental</i>								
2018 USACE Erosion Survey	0.66		0.66	11.54%				
DWR UCIP Field Study					0.11	0.01		
<i>Unit Totals:</i>	3.82	1.46	9.66	168.94%	0.36	0.57	0.00	0.00

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

**Reclamation District No. 0556 Upper Andrus**

	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. 0556 Upper Andrus**

Waterway			Bank	Unit Miles
Unit No. 01 Georgiana Slough			Right	5.48
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/17/2021 - 3/17/2021		9/1/2021 - 9/1/2021	
DWR Inspector	David Julian		David Julian	
Accompanied By	Alan Silva Reclamation District 556			

**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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0556_01_f_2014_3				
Comment Code					
Inspector Comment					
The members in the district have not been flood fight trained recently according to the district manager.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0556_01_s_2012_6				
Comment Code					
Inspector Comment					
Sent electronic copy of O+M manual to LMA.					

No Photos

LM Start		Rating **	M	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0556_01_f_2019_8				
Comment Code					
Inspector Comment					
According to the district manager, when they need supplies they will order them, there are no supplies stored.					

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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.00	Rating **	U	Issue No.	21
LM End	0.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239100 °	38.232070 °
				-121.518250 °	-121.522067 °
DWR ID	DWR_RD0556_01_s_2017_21				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_21\_20210830\_00005.jpg



View looking downstream at thick trees on the landside slope (Fall 2019).

LM Start	0.01	Rating **	M	Issue No.	87	
LM End	0.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238980 °	38.238980 °	
				-121.518153 °	-121.518153 °	
DWR ID	20832					
Comment Code						
Inspector Comment						
DS_ID:20832 FS_ID:61316 EP_NO: 6601 Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Indicator Found UCIP Comments: 06/16/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Overhead telephone line across the levee at this location. (O.Yakimov - DWR UCIP) 05/01/2013 Telephone conduit through levee berm and Georgiana Slough. It does not go through levee section. (P.Amatya - DWR UCIP) FIELD_STRUCT_DESC: Unknown diameter and material telephone conduit across Georgiana Slough and through its levees, 3.5 feet below the crown. (Armored submarine cable under Georgiana Slough and through levees authorized under Permit No. 6601, 1969 - General Telephone Company of California). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 0.01)]. FS Date: 6/16/2020 1:06:36 PM						

Photo 1 of 3 : UCIP\_FA\_2021\_61316\_88594.jpg



Top of Levee: View of levee crown looking from waterside

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.01	Rating **	M	Issue No.	87 (cont)
LM End	0.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238980 °	38.238980 °
				-121.518153 °	-121.518153 °
DWR ID	20832				

Photo 2 of 3 : UCIP\_FA\_2021\_61316\_88595.jpg



Land-Side: Telephone line pole at landside toe

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>87 (cont)</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61316\_88592.jpg



Water-Side: Telephone line pole on waterside berm. Overhead telephone line crossing the levee

LM Start	0.38	Rating **	M	Issue No.	43
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.234038 °	38.231879 °
				-121.519817 °	-121.522003 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: GEO 11.8 R					
Status: Eroding					
2018 Field Notes: No observed change.					
Site History: 2017 - Tree popout popouts eminent , significant toe erosion and whole bank failure in sections					

Photo 1 of 2 : FA\_2021\_RD0556\_18\_43\_20211218\_40.jpg



USACE 2018 Erosion Photo #1

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.38	Rating **	M	Issue No.	43 (cont)
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.234038 °	38.231879 °
				-121.519817 °	-121.522003 °
DWR ID					

Photo 2 of 2 : FA\_2021\_RD0556\_18\_43\_20211218\_41.jpg



USACE 2018 Erosion Photo #2

LM Start	0.44	Rating **	M	Issue No.	88
LM End	0.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.233537 °	38.233537 °
				-121.520483 °	-121.520483 °
DWR ID	20820				

**Comment Code**

**Inspector Comment**

DS\_ID:20820  
 FS\_ID:61317  
 EP\_NO: 3448  
 Repair Type: Non-Urgent  
 EVAL Issue: Safety Issue  
 Crossing Status: Indicator Found  
 UCIP Comments: 06/16/2020 Record remains Non-Urgent. No inspection records were available to determine status of line through the levee. Due to overgrown vegetation on waterside unable to inspect levee slope. Gas line marker not found. (O.Yakimov - DWR UCIP)  
 Dense vegetation inhibited visibility of gas line marker on WS. Need to contact owner to determine status of crossing.  
 FIELD\_STRUCT\_DESC: 4.5-inch steel natural gas pipeline through the levee, 4 feet below the crown. Location marker on the waterside (WS) shoulder. Cut in pavement visible at the crossing. Gas line marker on the landside (LS) and on the opposite bank at Reclamation District No. 263 (RD0263). Pipe not located in February 1991. (4.5-inch gas line across Georgiana Slough authorized under Permit No. 3448, 1960 - Pacific Gas and Electric Company). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 0.43).  
 FS Date: 6/16/2020 1:25:51 PM

Photo 1 of 3 : UCIP\_FA\_2021\_61317\_88596.jpg



Top of Levee: View of levee crown looking upstream

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>0.44</b>	Rating **	M	Issue No.	<b>88 (cont)</b>
LM End	<b>0.44</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.233537 °	38.233537 °	
			-121.520483 °	-121.520483 °	
DWR ID	20820				

Photo 2 of 3 : UCIP\_FA\_2021\_61317\_88597.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>0.44</b>	Rating **	M	Issue No.	<b>88 (cont)</b>
LM End	<b>0.44</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61317\_88598.jpg



Land-Side: Overview of landside at the crossing

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.53	Rating **	M	Issue No.	89
LM End	0.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.232466 °	38.232466 °
				-121.521609 °	-121.521609 °
DWR ID	21454				

**Comment Code**

**Inspector Comment**

DS\_ID:21454  
FS\_ID:61333  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Pipe Not Found  
Crossing Status: Not Found  
UCIP Comments: 06/16/2020 Record is Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. USACE As-Built Drawing No. 50-04-2671 Revision 1 (Feb 6, 1951), Sheet 6, approx. Station 185+00, dated 25 January 1951, shows 10-inch pipe crossing the levee at this location, while Revision 2 (December 29, 1952) of this drawing does not. No reference in O&M SAC103 to this crossing found. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 10-inch steel irrigation discharge pipe through the levee, at an unknown depth. Pump on the waterside (WS). 5-foot by 7-foot concrete distribution box on the landside (LS). Irrigation ditch on the LS.  
FS Date: 6/16/2020 1:45:44 PM

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61333\_88640.jpg



Top of Levee: View of levee crown looking from waterside

Photo 2 of 3 : UCIP\_FA\_2021\_61333\_88641.jpg



Water-Side: View of levee slope looking from 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/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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.232466 °	38.232466 °	
			-121.521609 °	-121.521609 °	
DWR ID	21454				

Photo 3 of 3 : UCIP\_FA\_2021\_61333\_88642.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>90</b>
LM End	<b>0.53</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.232450 °	38.232450 °	
			-121.521624 °	-121.521624 °	
DWR ID	20821				

**Comment Code**

**Inspector Comment**

DS\_ID:20821  
 FS\_ID:61336  
 EP\_NO: 5548  
 Repair Type: Non-Urgent  
 EVAL Issue: Limited Inspection/No UCIP Evaluation  
 Crossing Status: Found  
 UCIP Comments: 06/16/2020 Record remains Non-Urgent. Unable to inspect waterside slope due to overgrown vegetation. Unable to find pump on waterside, instead, a gas pump and screen filters installed on landside. Unable to find a permit for modification. (O.Yakimov - DWR UCIP)  
 05/13/2015 Dense vegetation prevents inspection of WS slope. (K.Fazel - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. 1.25-inch electrical conduit through the levee at the same location. Pump and screen filters on the landside. Concrete steps on the landside (LS) slope. Cuts in pavement visible at the crossing. Siphon breaker on waterside shoulder. (12-inch pipe authorized under Permit No. 5548, 1966 - George K. Adams).  
 [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 0.54)].  
 FS Date: 6/16/2020 1:47:59 PM

Photo 1 of 3 : UCIP\_FA\_2021\_61336\_88649.jpg



Top of Levee: View of levee crown looking downstream

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.232450 °	38.232450 °	
			-121.521624 °	-121.521624 °	
DWR ID	20821				

Photo 2 of 3 : UCIP\_FA\_2021\_61336\_88650.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61336\_88651.jpg



Water-Side: Air vent pipe on levee shoulder

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.54	Rating **	M	Issue No.	91	
LM End	0.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.232354 °	38.232354 °	
				-121.521727 °	-121.521727 °	
DWR ID	20826					
Comment Code						
Inspector Comment						
DS_ID:20826 FS_ID:61344 EP_NO: 5548A Repair Type: Non-Urgent EVAL Issue: Abandoned encroachment Crossing Status: Found UCIP Comments: 06/16/2020 Record remains Non-Urgent. Crossing appears abandoned. Unable to locate a pump on waterside. Wires are disconnected on service pole, electric meter removed. (O.Yakimov - DWR UCIP) 05/27/2015 Dense vegetation prevented inspection of WS slope. (K.Fazel - DWR UCIP) FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump on the waterside (WS). Electrical conduit through the levee at the same location. Pole with electrical panel at the landside (LS) toe. Standpipe at the LS toe. (14-inch pipe authorized under Permit No. 5548A, 1981 - Kaydix Company). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 0.55)]. FS Date: 6/16/2020 2:19:29 PM						

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61344\_88653.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61344\_88654.jpg



Water-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.54	Rating **	M	Issue No.	91 (cont)
LM End	0.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.232354 °	38.232354 °
				-121.521727 °	-121.521727 °
DWR ID	20826				

Photo 3 of 3 : UCIP\_FA\_2021\_61344\_88657.jpg



Water-Side: Abandoned pipe on levee slope

LM Start	0.58	Rating **	A/W	Issue No.	85
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.231902 °	38.231902 °
				-121.522242 °	-121.522242 °
DWR ID	DWR_RD0556_01_f_2021_85				
Comment Code					
DE : Debris					
Inspector Comment					
Large bricks on the landside slope acting as revetment.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_85\_20211004\_00159.jpg



View of bricks on the landside slope (Spring 2021).

LM Start	0.63	Rating **	U	Issue No.	84
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.231428 °	38.231428 °
				-121.522772 °	-121.522772 °
DWR ID	DWR_RD0556_01_f_2021_84				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Tree fell over and created large hole in landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_84\_20211004\_00158.jpg



View of fallen tree root ball and large hole in the landside slope (Fall 2021).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.82	Rating **	U	Issue No.	65
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.229278 °	38.229013 °
				-121.525103 °	-121.525562 °
DWR ID	DWR_RD0556_01_f_2020_65				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

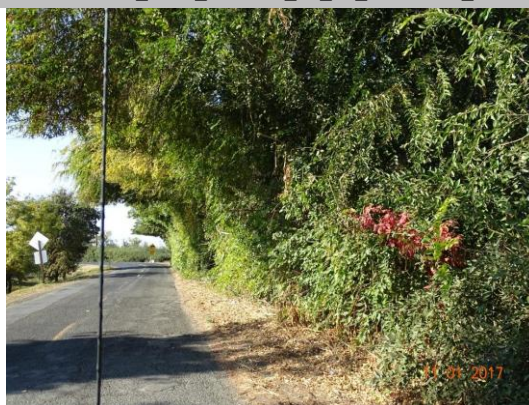
Photo 1 of 1 : FA\_2021\_RD0556\_18\_65\_20210830\_00035.jpg



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

LM Start	0.87	Rating **	U	Issue No.	24
LM End	0.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228820 °	38.228629 °
				-121.525853 °	-121.526165 °
DWR ID	DWR_RD0556_01_f_2017_24				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_24\_20210830\_00007.jpg



Trim/thin landscaping to allow inspection and access to levee slope and 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	0.98	Rating **	U	Issue No.	66
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227653 °	38.227574 °
				-121.527032 °	-121.529479 °
DWR ID	DWR_RD0556_01_f _ 2020_66				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_66\_20210830\_00036.jpg



View looking upstream at annual vegetation on the landside slope (Fall 2020).

LM Start	1.17	Rating **	M	Issue No.	92	
LM End	1.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.227534 °	38.227534 °	
				-121.529396 °	-121.529396 °	
DWR ID	25106					
Comment Code						
Inspector Comment						
DS_ID:25106 FS_ID:61348 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment Crossing Status: Found UCIP Comments: 06/16/2020 Record remains Non-Urgent. No permit has been found authorizing this pipe through the levee. Erosion site mentioned in previous inspection comment is not detected. Pipe is running- no leaks detected. (O.Yakimov - DWR UCIP) 05/27/2015 Possible erosion above pipe on LS needs attention. (K.Fazel - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, at an unknown depth. Pump, butterfly valve, siphon breaker, and screen filter on landside. Power pole with distribution panel on the LS. FS Date: 6/16/2020 2:39:20 PM						

Photo 1 of 3 : UCIP\_FA\_2021\_61348\_88660.jpg



Top of Levee: View of levee crown looking downstream

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>1.17</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.227534 °	38.227534 °
				-121.529396 °	-121.529396 °
DWR ID	25106				

Photo 2 of 3 : UCIP\_FA\_2021\_61348\_88659.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>1.17</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61348\_88661.jpg



Land-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.17	Rating **	M	Issue No.	93
LM End	1.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.227568 °	38.227568 °
				-121.529489 °	-121.529489 °
DWR ID	20823				

**Comment Code**

**Inspector Comment**

DS\_ID:20823  
FS\_ID:61377  
EP\_NO: 11169  
Repair Type: Non-Urgent  
EVAL Issue: Limited Inspection/No UCIP Evaluation  
Crossing Status: Found  
UCIP Comments: 06/16/2020 Record remains Non-Urgent. Due to overgrown vegetation on waterside slope and thick layer of leaves on landside slope unable to evaluate levee condition. Previous inspection notes mention pipe abandoned in place. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
05/27/2015 Appears abandoned in place and if so should be done so properly. Dense vegetation on WS limits visibility. (K.Fazel - DWR UCIP)  
FIELD\_STRUCT\_DESC: 10-inch steel irrigation discharge pipe through the levee, 3.8 feet below the crown. Located at the lower end of the rock revetment. (10-inch pipe [HLM 1.16] authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). (Replacement of an existing 10-inch diameter suction pipe with a 10-inch slant propeller pump authorized under Permit No. 4848, 1965 - Kaydix Ranch Company). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 1.17). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 548+59.8), listed as 10-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 5, Station 548+59.8, 25 January 1951, Revised 18 Dec. 1952].  
FS Date: 6/16/2020 3:12:06 PM

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>1.17</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61377\_88664.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61377\_88666.jpg



Water-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>1.17</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.227568 °	38.227568 °	
			-121.529489 °	-121.529489 °	
DWR ID	20823				

Photo 3 of 3 : UCIP\_FA\_2021\_61377\_88667.jpg



Water-Side: Overview of levee slope looking downstream

LM Start	<b>1.20</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2018 USACE Erosion Survey		38.227615 °	38.225374 °	
			-121.529894 °	-121.534406 °	
DWR ID					

**Comment Code**

**Inspector Comment**

2018 Site ID: GEO 10.9 R  
 Status: Eroding  
 2018 Field Notes: New erosion throughout site.  
 Site History: 2017 - Significant toe erosion and whole bank failure in sections, large pockets from tree popouts.

LM Start	<b>1.20</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA\_2021\_RD0556\_18\_42\_20211218\_38.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : FA\_2021\_RD0556\_18\_42\_20211218\_39.jpg



USACE 2018 Erosion Photo #2

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.31	Rating **	U	Issue No.	45
LM End	1.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227775 °	38.227651 °
				-121.531810 °	-121.532159 °
DWR ID	DWR_RD0556_01_s_2018_45				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus and trim trees.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_45\_20210830\_00025.jpg



View of cactus on the landside shoulder (Spring 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 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.33	Rating **	M	Issue No.	94
LM End	1.33	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.227622 °	38.227622 °	
			-121.532154 °	-121.532154 °	
DWR ID	20825				

**Comment Code**

**Inspector Comment**

DS\_ID:20825  
FS\_ID:61398  
EP\_NO: 13302  
Repair Type: Non-Urgent  
EVAL Issue: Levee Damage or Threat for Levee Damage  
Crossing Status: Found  
UCIP Comments: 06/16/2020 Record remains Non-Urgent. Concrete standpipe on landside has been replaced with a pressure tank. Unable to find a permit for modification. Depression around air release vent on landside shoulder about 2 feet in diameter and 1/2-foot deep. (O.Yakimov - DWR UCIP)  
05/27/2015 Seal beneath siphon breaker off LS toe leaking. Rodent activity near crown off LS shoulder. Need to contact owner about leaky seal. Dense vegetation prevented inspection of WS slope. (K.Fazel - DWR UCIP)  
FIELD\_STRUCT\_DESC: 6-inch steel irrigation discharge pipe and 2-inch galvanized iron electrical conduit through the levee, 2 feet below the crown. Siphon valve on the landside (LS) shoulder. Pump, gate valve, and pressure tank at the LS toe. Service pole and electrical box at the LS toe. 6-inch polyvinyl chloride (PVC) standpipe adjacent to the pipe off the LS toe. (6-inch pipe authorized under Permit No. 13302, 1981 - Kaydix Ranch). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 1.32). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 540+85), listed as 2-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 5, Station 540+85, 25 January 1951, Revised 18 Dec. 1952, listed as 2-inch pipe]. FS Date: 6/16/2020 4:21:56 PM

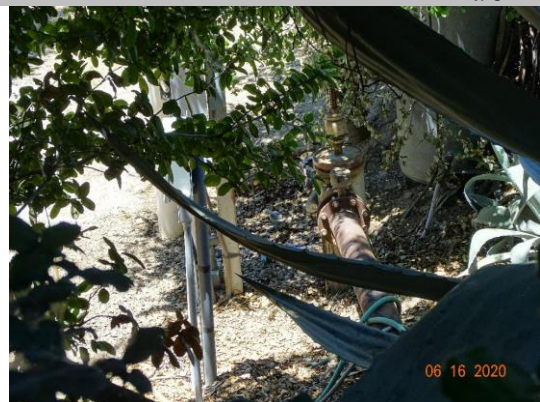
LM Start	1.33	Rating **	M	Issue No.	94 (cont)
LM End	1.33	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61398\_88672.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61398\_88668.jpg



Land-Side: View of levee slope looking from 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/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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.33	Rating **	M	Issue No.	94 (cont)
LM End	1.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.227622 °	38.227622 °
				-121.532154 °	-121.532154 °
DWR ID	20825				

Photo 3 of 3 : UCIP\_FA\_2021\_61398\_88669.jpg



Land-Side: Pump at levee toe

LM Start	1.34	Rating **	A/W	Issue No.	27
LM End	1.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.227521 °	38.227320 °
				-121.532393 °	-121.532710 °
DWR ID	DWR_RD0556_01_s_2013_27				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete at toe of levee is acting like a stability berm.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_27\_20210901\_00156.jpg



View looking downstream at concrete rubble at landside toe (Fall 2021).

LM Start	1.43	Rating **	M	Issue No.	82
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226537 °	38.226537 °
				-121.533351 °	-121.533351 °
DWR ID	DWR_RD0556_01_f_2021_82				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_82\_20210901\_00157.jpg



View of animal holes in landside hinge and slope (Fall 2021).

<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>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.43	Rating **	M	Issue No.	40
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.226537 °	38.226537 °
				-121.533512 °	-121.533512 °
DWR ID	DWR_RD0556_01_f _ 2012_40				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is covered by vegetation.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_40\_20210830\_00020.jpg



View of erosion that is covered by vegetation on the landside slope (October 2018).

LM Start	1.50	Rating **	M	Issue No.	22
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.225840 °	38.225840 °
				-121.534157 °	-121.534157 °
DWR ID	DWR_RD0556_01_s_2012_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Dip at the top of the landside slope is greater than 3".					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_22\_20210830\_00006.jpg



View of dip at the top of the landside slope (October 2018).

LM Start	1.55	Rating **	U	Issue No.	46
LM End	1.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225268 °	38.224587 °
				-121.534733 °	-121.536129 °
DWR ID	DWR_RD0556_01_s_2018_46				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_46\_20210830\_00026.jpg



View looking upstream at thick trees on the landside slope (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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.55	Rating **	A/W	Issue No.	9
LM End	1.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225191 °	38.224976 °
				-121.534799 °	-121.535043 °
DWR ID	DWR_RD0556_01_s_2012_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
These cut up tree sections remain on the waterward slope to prevent parking in the area.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_9\_20210830\_00001.jpg



Cut tree sections on the waterside levee shoulder remain to prevent parking.

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.57	Rating **	M	Issue No.	95
LM End	1.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225001 °	38.225001 °
				-121.535007 °	-121.535007 °
DWR ID	20827				

**Comment Code**

**Inspector Comment**

DS\_ID:20827  
FS\_ID:61399  
EP\_NO: 11169  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Modification or Non-Compliant Permit  
Crossing Status: Found  
UCIP Comments: 06/17/2020 Record remains Non-Urgent.  
Modifications to the crossing have been made after last UCIP inspection. Unable to find a permit for modifications. Enforcement case ENF 9545 open for this crossing. No permit has been identified authorizing original pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
03/27/2015 Dense vegetation on LS and WS limited accessibility. (K.Fazel - DWR - UCIP)  
FIELD\_STRUCT\_DESC: 6-inch steel irrigation discharge pipe through the levee, 3.5 feet below the crown. Pump, butterfly valve, filler pump and pipe on the waterside (WS) berm. 2-inch electrical conduit through the levee. Service pole with electric meter and panel on waterside shoulder. (10-inch pipe [HLM 1.56] authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 1.56), listed as 10-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 528+02.1), listed as 10-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 4, near Station 528+00, 25 January 1951, Revised 18 Dec. 1952, listed as 10-inch pipe].  
FS Date: 6/17/2020 9:36:26 AM

LM Start	<b>1.57</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>1.57</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61399\_88676.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61399\_88677.jpg



Land-Side: View of levee slope looking from crown

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.57	Rating **	M	Issue No.	95 (cont)
LM End	1.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225001 °	38.225001 °
				-121.535007 °	-121.535007 °
DWR ID	20827				

Photo 3 of 3 : UCIP\_FA\_2021\_61399\_88675.jpg



Land-Side: Pipe and junction pole at levee toe

LM Start	1.65	Rating **	U	Issue No.	17
LM End	1.70	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224623 °	38.224408 °
				-121.536320 °	-121.537180 °
DWR ID	DWR_RD0556_01_s_2012_17				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders blocking view down waterside slope					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_17\_20210830\_00002.jpg



View looking upstream at thick oleanders 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                      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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.66	Rating **	U	Issue No.	51
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224487 °	38.224355 °
				-121.536492 °	-121.537055 °
DWR ID	DWR_RD0556_01_f_2019_51				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_51\_20210830\_00029.jpg



View looking downstream at landscaping on the landside slope (Fall 2019).

LM Start	1.71	Rating **	U	Issue No.	19
LM End	1.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224301 °	38.223783 °
				-121.537367 °	-121.540572 °
DWR ID	DWR_RD0556_01_s_2020_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_19\_20210830\_00003.jpg



View looking downstream at thick wild vegetation on 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 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.79	Rating **	M	Issue No.	96	
LM End	1.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.223976 °	38.223976 °	
				-121.538842 °	-121.538842 °	
DWR ID	21510					
Comment Code						
Inspector Comment						
DS_ID:21510 FS_ID:61314 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 06/17/2020 Record is Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe, pump on waterside of the levee, a 36-inch concrete distribution chamber on landside. Pipe shown in as-built drawing 50-04-2671 revision 1 from 06 February 1951. This crossing not found in as-built drawing 50-04-2671 revision 2 from 29 December 1952. FS Date: 6/17/2020						

LM Start	1.79	Rating **	M	Issue No.	96 (cont)
LM End	1.79	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61314\_88741.jpg



Top of Levee: View of levee crown at potential crossing

Photo 2 of 3 : UCIP\_FA\_2021\_61314\_88739.jpg



Land-Side: Overview of landside from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>1.79</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>1.79</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.223976 °	38.223976 °
				-121.538842 °	-121.538842 °
DWR ID	21510				

Photo 3 of 3 : UCIP\_FA\_2021\_61314\_88740.jpg



Water-Side: Overview of waterside from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.89	Rating **	M	Issue No.	97
LM End	1.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.223760 °	38.223760 °
				-121.540629 °	-121.540629 °
DWR ID	20829				
Comment Code					
Inspector Comment					
DS_ID:20829 FS_ID:61414 EP_NO: 11178 Repair Type: Non-Urgent EVAL Issue: Levee Damage or Threat for Levee Damage Crossing Status: Found UCIP Comments: 06/17/2020 Record remains Non-Urgent. Depression on landside levee slope less than 1/2-foot-deep in pipe alignment. Vegetation on both levee slopes. Limited visibility through vegetation restrains complete evaluation of slope condition. Electric meter is energized. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/27/2015 Dense vegetation on WS and LS. Some oil leakage inside pumphouse. (K. Fazel - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.7 feet below the crown. 2-inch electrical conduit through the levee, next to the 8-inch discharge pipe. 1-inch air valve and pump on the waterside (WS) berm. Service pole on the landside (LS) slope. Tin and wood pump house on the WS berm. 12-foot by 3-foot concrete standpipe on the LS. (8-inch pipe [HLM 1.88] authorized under Automatic Board Order (ABO) issued as Permit No. 11178, 1975 - Allena D. Swett). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 1.88). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 511+00), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 4, Station 511+00, 25 January 1951, Revised 18 Dec. 1952]. FS Date: 6/17/2020 10:33:05 AM					

Photo 1 of 3 : UCIP\_FA\_2021\_61414\_88746.jpg



Top of Levee: View of levee crown looking downstream

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>1.89</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>1.89</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.223760 °	38.223760 °	
			-121.540629 °	-121.540629 °	
DWR ID	20829				

Photo 2 of 3 : UCIP\_FA\_2021\_61414\_88747.jpg



Land-Side: View of levee slope looking from crown. Service pole on shoulder, concrete standpipe at levee toe

LM Start	<b>1.89</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>1.89</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61414\_88748.jpg



Land-Side: Electric meter and panel

LM Start	1.91	Rating **	U	Issue No.	47
LM End	1.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.223736 °	38.223673 °
				-121.541036 °	-121.541453 °
DWR ID	DWR_RD0556_01_s_2018_47				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense vegetation prevents inspection and access.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_47\_20210830\_00027.jpg



Landscaping should be thinned.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	1.94	Rating **	M	Issue No.	83
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223529 °	38.223529 °
				-121.543227 °	-121.543228 °
DWR ID	DWR_RD0556_01_f_2021_83				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.05	Rating **	M	Issue No.	61
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.223487 °	38.223340 °
				-121.543482 °	-121.543917 °
DWR ID	DWR_RD0556_01_f_2020_61				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_61\_20210830\_00034.jpg



View of multiple squirrel holes in the landside slope (Fall 2020).

LM Start	2.09	Rating **	C	Issue No.	62
LM End	2.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.223105 °	38.222855 °
				-121.544139 °	-121.544358 °
DWR ID	DWR_RD0556_01_s_2020_62				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.09	Rating **	M	Issue No.	25
LM End	2.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.223087 °	38.222850 °
				-121.544140 °	-121.544330 °
DWR ID	DWR_RD0556_01_f_2017_25				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	2.13	Rating **	M	Issue No.	98
LM End	2.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.222560 °	38.222560 °
				-121.544485 °	-121.544485 °
DWR ID	20830				
Comment Code					
Inspector Comment					
DS_ID:20830 FS_ID:61459 EP_NO: 2392 Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 06/17/2020 Record remains Non-Urgent. Unable to evaluate levee slopes condition due to overgrown vegetation. (O.Yakimov - DWR UCIP) 05/27/2015 Hole and exposed depression adjacent to pipe at LS. Dense vegetation on WS and LS limited visibility. (K.Fazel - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Slant pump on the waterside (WS) bank. 1-inch electrical conduit through the levee, beside the 12-inch pipe, visible on the WS. Service pole and two standpipes at the landside (LS) toe. One of the two standpipes is 6 inches. (Pumping plant and a 12-inch steel pipe through the levee authorized under Permit No. 2392, 1956 - Loyal D. Mealer). (Construction a new support for existing slant pump and 12-inch pipe authorized under Permit No. 2392A, 1971 - Allena Mealer Swett). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 2.13)]. FS Date: 6/17/2020 4:09:36 PM					

Photo 1 of 3 : UCIP\_FA\_2021\_61459\_88910.jpg



Land-Side: Junction pole and two concrete standpipes at levee toe

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.222560 °	38.222560 °	
			-121.544485 °	-121.544485 °	
DWR ID	20830				

Photo 2 of 3 : UCIP\_FA\_2021\_61459\_88907.jpg



Top of Levee: View of levee crown looking downstream

LM Start	<b>2.13</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61459\_88908.jpg



Water-Side: View of levee slope looking from crown

LM Start	2.32	Rating **	U	Issue No.	53
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.219813 °	38.219813 °
				-121.544032 °	-121.544032 °
DWR ID	DWR_RD0556_01_f_2019_53				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_53\_20210830\_00030.jpg



View looking downstream at fig tree on the landside slope (Fall 2019).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.38	Rating **	U	Issue No.	31
LM End	2.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.219037 °	38.217781 °
				-121.543847 °	-121.543817 °
DWR ID	DWR_RD0556_01_s _ 2017_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_31\_20210830\_00013.jpg



View looking downstream at landscaping on the landside slope (Fall 2019).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.44	Rating **	M	Issue No.	99	
LM End	2.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.218242 °	38.218242 °	
				-121.543807 °	-121.543807 °	
DWR ID	20831					
Comment Code						
Inspector Comment						
DS_ID:20831 FS_ID:61499 EP_NO: 11169 Repair Type: Non-Urgent EVAL Issue: Levee Damage or Threat for Levee Damage Crossing Status: Found UCIP Comments: 06/17/2020 Record remains Non-Urgent. 2-foot diameter sinkhole is still present on landside shoulder around air vent, size of hole is not growing over time. Electrical conduit is open on waterside slope with wires cut and not insulated. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 07/12/2018 Hole near air vent on LS slope is still present but haven't increased in size. Pipe was running at the time of site visit, no leaks detected. Downgraded to "Non-Urgent" due to absence of levee threat. (O.Yakimov - DWR UCIP) 05/27/2015 2'x 2' hole on levee off LS shoulder. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.7 feet below the crown. 1-inch air valve. Pump and switch panel on the waterside (WS) berm. Service pole on the landside (LS). 9-foot by 3-foot concrete standpipe on the LS. 3 cables encased in a 1.5-inch steel conduit through the levee and on the WS, alongside the 8-inch pipe, disconnected on the WS. (8-inch pipe [HLM 2.44] authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 2.44). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 482+49.3), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 3, Station 482+49.3, 25 January 1951, Revised 18 Dec. 1952]. FS Date: 6/17/2020 10:55:51 AM						

Photo 1 of 3 : UCIP\_FA\_2021\_61499\_89027.jpg



Top of Levee: View of levee crown looking downstream

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>2.44</b>	Rating **	M	Issue No.	<b>99 (cont)</b>
LM End	<b>2.44</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.218242 °	38.218242 °	
			-121.543807 °	-121.543807 °	
DWR ID	20831				

Photo 2 of 3 : UCIP\_FA\_2021\_61499\_89030.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>2.44</b>	Rating **	M	Issue No.	<b>99 (cont)</b>
LM End	<b>2.44</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61499\_89029.jpg



Land-Side: Overview of levee shoulder

LM Start	2.51	Rating **	U	Issue No.	54
LM End	2.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.217229 °	38.216830 °
				-121.543577 °	-121.543233 °
DWR ID	DWR_RD0556_01_f_2019_54				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_54\_20210830\_00031.jpg



View looking downstream at landscaping on the landside slope (Fall 2019).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.63	Rating **	M	Issue No.	68
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215850 °	38.215850 °
				-121.542045 °	-121.542045 °
DWR ID	DWR_RD0556_01_f_2020_68				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.69	Rating **	M	Issue No.	32
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.215375 °	38.215375 °
				-121.541258 °	-121.541258 °
DWR ID	DWR_RD0556_01_s_2020_32				
Comment Code					
FW : Firewood					
Inspector Comment					
Several large chunks of wood should be removed from landside toe.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_32\_20210830\_00014.jpg



View of large tree trunk sections on the landside hinge (Spring 2020).

LM Start	2.69	Rating **	U	Issue No.	69
LM End	2.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215382 °	38.215382 °
				-121.541247 °	-121.541247 °
DWR ID	DWR_RD0556_01_f_2020_69				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_69\_20210830\_00037.jpg



View of thick tree on 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>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.71	Rating **	M	Issue No.	100
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.215234 °	38.215234 °
				-121.540972 °	-121.540972 °
DWR ID	20848				

**Comment Code**

**Inspector Comment**

DS\_ID:20848  
FS\_ID:61501  
EP\_NO: 11167  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Modification or Non-Compliant Permit  
Crossing Status: Found  
UCIP Comments: 06/17/2020 Record remains Non-Urgent. Unable to find a permit for sleeving 3-inch pipe through 8-inch pipe. No permit has been identified authorizing original pipe through the levee. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
06/05/2015 Pipe appears out of use; if so, coordinate with owner to abandon properly per Title 23. (K.Fazel - DWR UCIP)  
FIELD\_STRUCT\_DESC: 3-inch steel irrigation discharge pipe sleeved through the 8-inch steel pipe, 3 feet below the crown. Annular space appears to be grouted. 3-inch pipe connected to the pump on the waterside (WS). 0.75-inch primer pipe. Gate valve on the WS berm. Polyvinyl chloride (PVC) standpipe off the landside (LS) toe, previously a 6-foot by 3-foot concrete standpipe. (8-inch pipe [HLM 2.70] authorized under Automatic Board Order (ABO) issued as Permit No. 11167, 1975 - Russel G. Graham). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 2.70). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 468+52.7), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 3, Station 468+52.7, 25 January 1951, Revised 18 Dec. 1952, listed as 8-inch pipe].  
FS Date: 6/17/2020 11:55:47 AM

LM Start	2.71	Rating **	M	Issue No.	100 (cont)
LM End	2.71	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61501\_89042.jpg



Top of Levee: View of levee crown looking from waterside

Photo 2 of 3 : UCIP\_FA\_2021\_61501\_89043.jpg



Land-Side: PVC standpipe off levee toe

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>100 (cont)</b>
LM End	<b>2.71</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.215234 °	38.215234 °	
			-121.540972 °	-121.540972 °	
DWR ID	20848				

Photo 3 of 3 : UCIP\_FA\_2021\_61501\_89044.jpg



Land-Side: Water tank support structure on landside

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>101</b>
LM End	<b>2.71</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.215223 °	38.215223 °	
			-121.540953 °	-121.540953 °	
DWR ID	20833				

**Comment Code**

**Inspector Comment**

DS\_ID:20833  
 FS\_ID:61500  
 EP\_NO: 11167  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Modification or Non-Compliant Permit  
 Crossing Status: Found  
 UCIP Comments: 06/17/2020 Record is Non-Urgent. Unable to find a permit for sleeving 10-inch pipe through 12-inch pipe. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe sleeved through 12-inch steel pipe through levee, 4.0 feet below crown. Slant pump and gate valve on bank. 2-inch conduit through the levee 2 feet below crown. Service pole at landward toe. (12-inch pipe [HLM 2.7] authorized under Automatic Board Order (ABO) issued as Permit No. 11167, 1975 - Russel G. Graham). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 2.70)].  
 FS Date: 6/17/2020

Photo 1 of 3 : UCIP\_FA\_2021\_61500\_89041.jpg



Top of Levee: View of levee crown looking upstream

* 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**

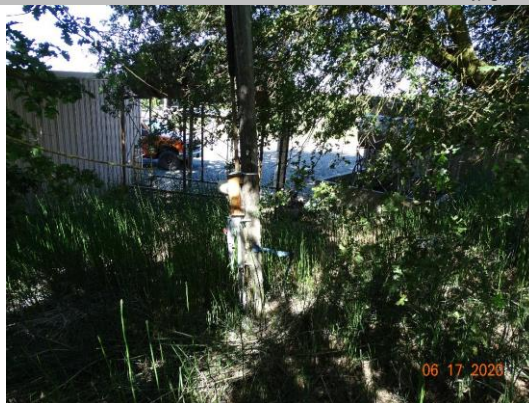
**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>101 (cont)</b>
LM End	<b>2.71</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.215223 °	38.215223 °	
			-121.540953 °	-121.540953 °	
DWR ID	20833				

Photo 2 of 3 : UCIP\_FA\_2021\_61500\_89035.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>101 (cont)</b>
LM End	<b>2.71</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61500\_89036.jpg



Land-Side: Conduits enter the ground at service pole

LM Start	2.72	Rating **	U	Issue No.	48
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215085 °	38.215085 °
				-121.540724 °	-121.540724 °
DWR ID	DWR_RD0556_01_f_2018_48				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove wild grapes and bamboo from landside.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_48\_20210830\_00028.jpg



View of wild grapes and bamboo on the landside slope (Fall 2018).

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.72	Rating **	U	Issue No.	33
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.215107 °	38.215107 °
				-121.540677 °	-121.540677 °
DWR ID	DWR_RD0556_01_s_2017_33				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Fallen tree on landside. Remove the fallen tree and repair the levee damage.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_33\_20210830\_00015.jpg



View of hole in landside slope caused by down tree (Spring 2021).

LM Start	2.85	Rating **	M	Issue No.	37
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.214144 °	38.212577 °
				-121.538692 °	-121.537244 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: GEO 9.2 R					
Status: Eroding					
2018 Field Notes: New erosion along toe.					
Site History: 2017 - Toe erosion.					

Photo 1 of 2 : FA\_2021\_RD0556\_18\_37\_20211218\_22.jpg



USACE 2018 Erosion Photo #1

LM Start	<b>2.85</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>2.98</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2021\_RD0556\_18\_37\_20211218\_23.jpg



USACE 2018 Erosion Photo #2

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.88	Rating **	M	Issue No.	102	
LM End	2.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.213713 °		38.213713 °
				-121.538547 °		-121.538547 °
DWR ID	21456					
Comment Code						
Inspector Comment						
DS_ID:21456 FS_ID:61276 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 06/17/2020 Record is Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: Unknown diameter pipe to irrigation ditch at unknown depth below crown appears through the levee. 18-inch diameter and 8 ft tall standpipe on LS. Found only in USACE As-Built Drawing No. 50-04-2671, Sheet 2, approx. Station 458+50, 25 January 1951]. As-Built drawing doesn't give details on pipe material and size. FS Date: 6/17/2020						

LM Start	<b>2.88</b>	Rating **	M	Issue No.	<b>102 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61276\_89049.jpg



Top of Levee: View of levee crown looking towards waterside

Photo 2 of 3 : UCIP\_FA\_2021\_61276\_89050.jpg



Land-Side: View of levee slope looking from crown. Irrigation ditch along runway on background

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>2.88</b>	Rating **	M	Issue No.	<b>102 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.213713 °	38.213713 °	
			-121.538547 °	-121.538547 °	
DWR ID	21456				

Photo 3 of 3 : UCIP\_FA\_2021\_61276\_89051.jpg



Land-Side: Overview of levee slope. Aircraft hangar and runway on landside

LM Start	<b>2.96</b>	Rating **	M	Issue No.	<b>103</b>
LM End	<b>2.96</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.212706 °	38.212706 °	
			-121.537642 °	-121.537642 °	
DWR ID	25110				

**Comment Code**

**Inspector Comment**

DS\_ID:25110  
 FS\_ID:61533  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Encroachment  
 Crossing Status: Found  
 UCIP Comments: 06/17/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. Unable to evaluate condition of levee slopes due to overgrown vegetation. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 1-inch steel domestic water line with a spigot, 5 feet below the crown. Visible through the landside (LS) slope only. This water line was field discovered.  
 FS Date: 6/17/2020 1:47:50 PM

Photo 1 of 3 : UCIP\_FA\_2021\_61533\_89067.jpg



Top of Levee: View of levee crown looking upstream

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>2.96</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>2.96</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.212706 °	38.212706 °
				-121.537642 °	-121.537642 °
DWR ID	25110				

Photo 2 of 3 : UCIP\_FA\_2021\_61533\_89068.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>2.96</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>2.96</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61533\_89069.jpg



Water-Side: Abandoned pipes at riverbank

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	2.97	Rating **	M	Issue No.	104	
LM End	2.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.212639 °	38.212639 °	
				-121.537574 °	-121.537574 °	
DWR ID	20819					
Comment Code						
Inspector Comment						
DS_ID:20819 FS_ID:61283 EP_NO: 11177 Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Indicator Found UCIP Comments: 06/17/2020 Record is Non-Urgent. Unable to find pipe on waterside due to overgrown vegetation. 6-inch steel pipe on the top of 36-inch concrete standpipe. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch irrigation pipe through levee, 3.0 feet below crown. 36-inch concrete standpipe at landside toe. Waterward end is open. (10-inch pipe [HLM 2.96] authorized under Automatic Board Order (ABO) issued as Permit No. 11177, 1975 - Vernal Silva, et al). [Additional Reference(s): DWR Levee Log, unk. yr. (HLM 2.96). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 454+82.8), listed as 10-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 2, Station 454+82.8, 25 January 1951, Revised 18 Dec. 1952]. FS Date: 6/17/2020						

LM Start	<b>2.97</b>	Rating **	M	Issue No.	<b>104 (cont)</b>
LM End	<b>2.97</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61283\_89062.jpg



Top of Levee: View of levee crown looking from waterside

Photo 2 of 3 : UCIP\_FA\_2021\_61283\_89060.jpg



Land-Side: View of levee slope looking from crown. Concrete standpipe at levee toe

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>2.97</b>	Rating **	M	Issue No.	<b>104 (cont)</b>
LM End	<b>2.97</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.212639 °	38.212639 °	
			-121.537574 °	-121.537574 °	
DWR ID	20819				

Photo 3 of 3 : UCIP\_FA\_2021\_61283\_89061.jpg



Land-Side: View inside of concrete standpipe

LM Start	<b>3.07</b>	Rating **	M	Issue No.	<b>105</b>
LM End	<b>3.07</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.211333 °	38.211333 °	
			-121.537198 °	-121.537198 °	
DWR ID	21436				

**Comment Code**

**Inspector Comment**

DS\_ID:21436  
FS\_ID:61310  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Pipe Not Found  
Crossing Status: Not Found  
UCIP Comments: 06/17/2020 Record is Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)

FIELD\_STRUCT\_DESC: 12-inch steel pipe. 12-ft x 42-inch concrete standpipe. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 446+36), listed as 12-inch pipe.  
FS Date: 6/17/2020

Photo 1 of 3 : UCIP\_FA\_2021\_61310\_89071.jpg



Top of Levee: View of levee crown looking from landside shoulder

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>3.07</b>	Rating **	M	Issue No.	<b>105 (cont)</b>
LM End	<b>3.07</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.211333 °	38.211333 °
				-121.537198 °	-121.537198 °
DWR ID	21436				

Photo 2 of 3 : UCIP\_FA\_2021\_61310\_89070.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>3.07</b>	Rating **	M	Issue No.	<b>105 (cont)</b>
LM End	<b>3.07</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61310\_89073.jpg



Water-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	3.10	Rating **	M	Issue No.	106
LM End	3.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.211176 °	38.211176 °
				-121.537591 °	-121.537591 °
DWR ID	20835				

**Comment Code**

**Inspector Comment**

DS\_ID:20835  
FS\_ID:61290  
EP\_NO: 11174  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Encroachment, installed decades prior  
Crossing Status: Indicator Found  
UCIP Comments: 06/17/2020 Record is Non-Urgent. Found 60-inch diameter concrete standpipe at landside toe filled with water. Pipe not visible on either levee side. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 10-inch pipe through levee, 3.0 feet below crown. (10-inch pipe [HLM 3.09] authorized under Automatic Board Order (ABO) issued as Permit No. 11174, 1975 - Delores M. Pollard). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 3.09)]. USACE As-Built Drawing No. 50-04-2671, Sheet 2, near Station 450+00, 25 January 1951, Revised 18 Dec. 1952, listed as 10-inch pipe].  
FS Date: 6/17/2020

LM Start	<b>3.10</b>	Rating **	M	Issue No.	<b>106 (cont)</b>
LM End	<b>3.10</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61290\_89074.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61290\_89075.jpg



Land-Side: View of levee slope looking from 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/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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>3.10</b>	Rating **	M	Issue No.	<b>106 (cont)</b>
LM End	<b>3.10</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.211176 °	38.211176 °	
			-121.537591 °	-121.537591 °	
DWR ID	20835				

Photo 3 of 3 : UCIP\_FA\_2021\_61290\_89076.jpg



Land-Side: View inside of 60-inch concrete standpipe

LM Start	3.14	Rating **	M	Issue No.	28
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.210985 °	38.210160 °
				-121.538372 °	-121.540300 °
DWR ID	DWR_RD0556_01_f_2017_28				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_28\_20210830\_00010.jpg



Significant rodent activity in this area must be stopped. Holes should be backfilled.

LM Start	3.18	Rating **	M	Issue No.	36
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.210674 °	38.206919 °
				-121.538854 °	-121.541559 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: GEO 9.0 R					
Status: Eroding					
2018 Field Notes: Site extended downstream.					
Site History: 2017 - Toe erosion and failed revetment.					

Photo 1 of 2 : FA\_2021\_RD0556\_18\_36\_20211218\_9.jpg



USACE 2018 Erosion Photo #1

<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**

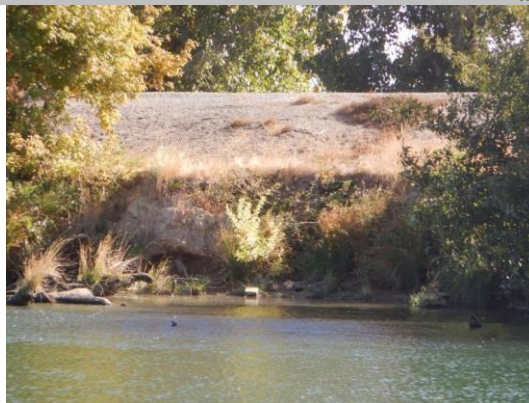
**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	3.18	Rating **	M	Issue No.	36 (cont)
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.210674 °	38.206919 °
				-121.538854 °	-121.541559 °
DWR ID					

Photo 2 of 2 : FA\_2021\_RD0556\_18\_36\_20211218\_17.jpg



USACE 2018 Erosion Photo #2

LM Start	3.18	Rating **	U	Issue No.	55
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210745 °	38.210745 °
				-121.538967 °	-121.538967 °
DWR ID	DWR_RD0556_01_f_2019_55				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_55\_20210830\_00032.jpg



View of fig tree on the landside slope (Fall 2019).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	3.19	Rating **	U	Issue No.	107
LM End	3.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.210683 °	38.210683 °
				-121.539125 °	-121.539125 °
DWR ID	20836				

**Comment Code**

**Inspector Comment**

DS\_ID:20836  
FS\_ID:61291  
EP\_NO: 11174  
Repair Type: Urgent  
EVAL Issue: Levee Integrity  
Crossing Status: Found  
UCIP Comments: 06/17/2020 Record is Urgent. 30-feet long, 3-feet wide, and 1-foot deep trench was excavated along landside levee toe. Soil is wet at the bottom of trench. Soil depression on waterside shoulder in pipe alignment. Intake pipe and pipe from pumphouse towards levee slope have been replaced. Unable to find a permit for modifications. No permit has been identified authorizing original pipe through the levee. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 6-inch steel irrigation pipe through levee, 3.4 feet below crown. Pump in pump house on berm. Service pole on landward slope. Gate valve located underground and 48-inch concrete standpipe at landside toe. 1-inch electrical conduit at this location. (6-inch pipe [HLM 3.18] authorized under Automatic Board Order (ABO) issued as Permit No. 11174, 1975 - Delores M. Pollard). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 3.18). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 441+19.6), listed as 6-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 2, near Station 440+00, 25 January 1951, Revised 18 Dec. 1952. USACE As-Built Drawing No. 50-04-2631, Sheet 11, Station 441+19.6, March 1950, Revised 16 Dec.1952].  
FS Date: 6/17/2020

LM Start	<b>3.19</b>	Rating **	U	Issue No.	<b>107 (cont)</b>
LM End	<b>3.19</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61291\_89080.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61291\_89081.jpg



Overview of Levee: Levee crown and pumphouse on waterside berm

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>3.19</b>	Rating **	U	Issue No.	<b>107 (cont)</b>
LM End	<b>3.19</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.210683 °	38.210683 °	
			-121.539125 °	-121.539125 °	
DWR ID	20836				

Photo 3 of 3 : UCIP\_FA\_2021\_61291\_89090.jpg



Water-Side: Soil depression in pipe alignment on levee shoulder

LM Start	3.22	Rating **	U	Issue No.	38
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210493 °	38.209842 °
				-121.539760 °	-121.540658 °
DWR ID	DWR_RD0556_01_s_2017_38				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove the wild tree growth and vegetation from the landside levee slope and toe so the ground can be seen.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_38\_20210830\_00018.jpg



View looking downstream at thick tree growth on the landside slope (Fall 2019).

LM Start	3.36	Rating **	U	Issue No.	29
LM End	3.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208917 °	38.208191 °
				-121.541338 °	-121.541578 °
DWR ID	DWR_RD0556_01_f_2017_29				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Large cactus growing on shoulder and slope should be removed to allow inspection and access.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_29\_20210830\_00011.jpg



View looking downstream at cactus on the landside slope (Fall 2019).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	3.37	Rating **	M	Issue No.	108
LM End	3.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208847 °	38.208847 °
				-121.541336 °	-121.541336 °
DWR ID	20838				
Comment Code					
Inspector Comment					
DS_ID:20838 FS_ID:61299 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 06/17/2020 Record is Non-Urgent. Waterside slope is covered with trees and brush - unable to access. Fence on landside shoulder prevents access to landside. Pump and pipe is visible on landside slope, pump is running. Unauthorized encroachment recorded in Levee Log prior to 2011. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2-inch pipe through levee, 3.0 feet below crown. Pump on landside berm. (2-inch pipe [HLM 3.36] authorized under Automatic Board Order (ABO) issued as Permit No. 11165, 1975 - Elroy and Helen Gomez). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 3.36)]. FS Date: 6/17/2020 8:40:57 AM					

LM Start	<b>3.37</b>	Rating **	M	Issue No.	<b>108 (cont)</b>
LM End	<b>3.37</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61299\_89098.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61299\_89099.jpg



Land-Side: Small pump at levee 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>3.37</b>	Rating **	M	Issue No.	<b>108 (cont)</b>
LM End	<b>3.37</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208847 °	38.208847 °
				-121.541336 °	-121.541336 °
DWR ID	20838				

Photo 3 of 3 : UCIP\_FA\_2021\_61299\_89100.jpg



Land-Side: Water supply pipe on levee slope

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	3.45	Rating **	M	Issue No.	109 (cont)
LM End	3.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.207715 °	38.207715 °
				-121.541655 °	-121.541655 °
DWR ID	20839				

Photo 2 of 3 : UCIP\_FA\_2021\_61300\_89105.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>3.45</b>	Rating **	M	Issue No.	<b>109 (cont)</b>
LM End	<b>3.45</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61300\_89106.jpg



Water-Side: Abandoned slant pump on riverbank

LM Start	3.46	Rating **	U	Issue No.	58
LM End	3.46	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.207585 °	38.207585 °
				-121.541678 °	-121.541678 °
DWR ID	DWR_RD0556_01_f_2019_58				
Comment Code					
DE : Debris					
Inspector Comment					
Remove concrete debris piles.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_58\_20210830\_00033.jpg



View of large concrete debris piles on the waterside shoulder. The waterside shoulder is much larger in this section. (Fall 2019).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	3.57	Rating **	U	Issue No.	110
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.205892 °	38.205892 °
				-121.541679 °	-121.541679 °
DWR ID	20840				

**Comment Code**

**Inspector Comment**

DS\_ID:20840  
FS\_ID:61301  
EP\_NO: 11161  
Repair Type: Urgent  
EVAL Issue: Levee Integrity  
Crossing Status: Found  
UCIP Comments: 06/17/2020 Record is Urgent. Subsidence on landside shoulder measured 2' x 3' x 1.5'-deep around air vent. Crossing appears abandoned. Fence on landside slope and overgrown vegetation on both slopes prevent from detailed inspection of levee. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 10-inch steel pipe through levee, 11.2 feet below crown. 2-inch air and vacuum valve and concrete spill box on landside of the levee. (10-inch pipe [HLM 3.57] authorized under Automatic Board Order (ABO) issued as Permit No. 11161, 1975 - L.J. Gamble & M. P. Darsie). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 3.57). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 421+08.7), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2671, Sheet 2, near Station 420+55, 25 January 1951, Revised 18 Dec. 1952, listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 11, Station 421+08.7, March 1950, Revised 16 Dec. 1952, listed as 12-inch pipe].  
FS Date: 6/17/2020

LM Start	<b>3.57</b>	Rating **	U	Issue No.	<b>110 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61301\_89118.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61301\_89117.jpg



Water-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>3.57</b>	Rating **	U	Issue No.	<b>110 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.205892 °	38.205892 °	
			-121.541679 °	-121.541679 °	
DWR ID	20840				

Photo 3 of 3 : UCIP\_FA\_2021\_61301\_89119.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.68	Rating **	U	Issue No.	41
LM End	3.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.204360 °	38.202615 °
				-121.541286 °	-121.540807 °
DWR ID	DWR_RD0556_01_s_2020_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_41\_20210830\_00021.jpg



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

LM Start	3.82	Rating **	M	Issue No.	86
LM End	3.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.202481 °	38.202481 °
				-121.540839 °	-121.540839 °
DWR ID	DWR_RD0556_01_f_2021_86				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Exposed slope eroding, most likely due to runoff.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_86\_20211004\_00160.jpg



View of erosion rivulets in the landside slope (Spring 2021).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	3.84	Rating **	U	Issue No.	30
LM End	3.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202061 °	38.201672 °
				-121.541113 °	-121.542133 °
DWR ID	DWR_RD0556_01_f_2017_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim/thin landscaping to allow inspection and access to levee slope and toe.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_30\_20210830\_00012.jpg



View of landscaping on levee slope and toe.

LM Start	3.93	Rating **	U	Issue No.	34
LM End	3.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201603 °	38.201273 °
				-121.542352 °	-121.543328 °
DWR ID	DWR_RD0556_01_f_2017_34				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove large cactus from waterside shoulder to allow inspection and access.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_34\_20210830\_00016.jpg



View of large cactus on waterside shoulder.

\* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.01	Rating **	M	Issue No.	111
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201106 °	38.201106 °
				-121.543712 °	-121.543712 °
DWR ID	20841				
Comment Code					
Inspector Comment					
DS_ID:20841 FS_ID:61302 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 06/17/2020 Record is Non-Urgent. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)  FIELD_STRUCT_DESC: 8-inch pipe through levee, 3.7 feet below crown. Slant pump on waterward berm. Siphon breaker on landside shoulder, concrete spill box on landside of the levee. (8-inch pipe [HLM 4.00] authorized under Automatic Board Order (ABO) issued as Permit No. 11160, 1975 - Fred L. & H.E. Dumbacher). (Remodeling of pumphouse authorized under Permit No. 18590, 2011 - Donna Blower). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 4.00). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 398+11.4), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 10, Station 398+11.4, March 1950, Revised 16 Dec.1952]. FS Date: 6/17/2020					
LM Start	4.01	Rating **	M	Issue No.	111 (cont)
LM End	4.01	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61302\_89123.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61302\_89124.jpg



Water-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>4.01</b>	Rating **	M	Issue No.	<b>111 (cont)</b>
LM End	<b>4.01</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.201106 °	38.201106 °	
			-121.543712 °	-121.543712 °	
DWR ID	20841				

Photo 3 of 3 : UCIP\_FA\_2021\_61302\_89125.jpg



Water-Side: Slant pump at riverbank

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>112</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.201035 °	38.201035 °	
			-121.543936 °	-121.543936 °	
DWR ID	21581				

**Comment Code**

**Inspector Comment**

DS\_ID:21581  
 FS\_ID:61315  
 EP\_NO: 13030  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Modification or Non-Compliant Permit  
 Crossing Status: Found  
 UCIP Comments: 06/17/2020 Record is Non-Urgent. Pipe diameter field measured as 20-inch on both slopes. On landside berm pipe diameter changes from 20 inch to 18 inch. Unable to find a permit for modification of this crossing. No permit has been identified authorizing original O&M pipe through the levee. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 18-inch steel drainage pipes through levee, 4.3 feet below crown. Pumps on landward side and 4-inch air valve. (18-inch pipe [HLM 4.01] authorized under Automatic Board Order (ABO) issued as Permit No. 11175, 1975 - RD0556). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 4.01). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 397+36.3), listed as 20-inch pipe]. USACE As-Built Drawing No. 50-04-2631, Sheet 10, Station 397+36.3, March 1950, Revised 16 Dec.1952, listed as 20-inch pipe].  
 FS Date: 6/17/2020

Photo 1 of 3 : UCIP\_FA\_2021\_61315\_89136.jpg



Top of Levee: View of levee crown looking downstream

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.02	Rating **	M	Issue No.	112 (cont)
LM End	4.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201035 °	38.201035 °
				-121.543936 °	-121.543936 °
DWR ID	21581				

Photo 2 of 3 : UCIP\_FA\_2021\_61315\_89138.jpg



Water-Side: Pipes on waterside berm

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>112 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61315\_89139.jpg



Water-Side: Pipes on waterside berm and levee slope on background

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.02	Rating **	M	Issue No.	113
LM End	4.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201032 °	38.201032 °
				-121.543946 °	-121.543946 °
DWR ID	20842				

**Comment Code**

**Inspector Comment**

DS\_ID:20842  
FS\_ID:61303  
EP\_NO: 13030  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Modification or Non-Compliant Permit  
Crossing Status: Found  
UCIP Comments: 06/17/2020 Record is Non-Urgent. Pipe diameter field measured as 20-inch on both slopes. On landside berm pipe diameter changes from 20 inch to 18 inch. Debris of 20-inch pipe welded to 16-inch pipe with open end found next to this crossing on landside berm. Unable to find a permit for modification of this crossing. No permit has been identified authorizing original O&M pipe through the levee. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 16-inch steel drainage pipes through levee, 4.3 feet below crown. Pumps on landward side and 4-inch air valve. (16-inch pipe [HLM 4.01] authorized under Automatic Board Order (ABO) issued as Permit No. 11175, 1975 - RD0556). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 4.01). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 397+20.5), listed as 16-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 10, Station 397+20.5, March 1950, Revised 16 Dec.1952, listed as 12-inch pipe].  
FS Date: 6/17/2020

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>113 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61303\_89144.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61303\_89146.jpg



Water-Side: Pipes on waterside berm

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.02	Rating **	M	Issue No.	113 (cont)
LM End	4.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201032 °	38.201032 °
				-121.543946 °	-121.543946 °
DWR ID	20842				

Photo 3 of 3 : UCIP\_FA\_2021\_61303\_89147.jpg



Water-Side: Pipes on waterside berm looking from riverbank

LM Start	4.02	Rating **	M	Issue No.	114
LM End	4.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201026 °	38.201026 °
				-121.543960 °	-121.543960 °
DWR ID	20887				

**Comment Code**

**Inspector Comment**

DS\_ID:20887  
 FS\_ID:61309  
 EP\_NO: 13030  
 Repair Type: Non-Urgent  
 EVAL Issue: Abandoned encroachment  
 Crossing Status: Found  
 UCIP Comments: 06/17/2020 Record is Non-Urgent. Crossing appears abandoned. Unable to find this crossing on landside. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 20-inch steel drainage pipeline through the levee, 3.2 ft. below the levee crown; pump and siphon breaker on landside. Concrete saddle on waterside of the levee. (20-inch pipe authorized under Permit No. 13030, 1980 - Reclamation District 556).  
 FS Date: 6/17/2020

Photo 1 of 3 : UCIP\_FA\_2021\_61309\_89149.jpg



Top of Levee: View of levee crown looking downstream

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>114 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.201026 °	38.201026 °	
			-121.543960 °	-121.543960 °	
DWR ID	20887				

Photo 2 of 3 : UCIP\_FA\_2021\_61309\_89148.jpg



Land-Side: Pumping station at drainage channel

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>114 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61309\_89150.jpg



Water-Side: Pipes on waterside berm

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.02	Rating **	M	Issue No.	115
LM End	4.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201022 °	38.201022 °
				-121.543973 °	-121.543973 °
DWR ID	21437				

**Comment Code**

**Inspector Comment**

DS\_ID:21437  
FS\_ID:61311  
EP\_NO: 10526  
Repair Type: Non-Urgent  
EVAL Issue: Unauthorized Modification or Non-Compliant Permit  
Crossing Status: Found  
UCIP Comments: 06/17/2020 Record is Non-Urgent. Pipe diameter field measured as 20-inch on both slopes. Unable to find a permit for modification of this crossing. (O.Yakimov - DWR UCIP)

FIELD\_STRUCT\_DESC: 24-inch steel drainage pipes 3.5 ft below levee crown. Pumping plant on landside. 6" air valve, concrete saddle & wood beam on waterside. This crossing replaces 24-inch pipe (see DSID 25634). (24-inch pipe authorized under Permit No. 10526, 1975 - Reclamation District 556). [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 397+36.3), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 10, Station 397+36.3, March 1950, Revised 16 Dec.1952].  
FS Date: 6/17/2020

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>115 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61311\_89154.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61311\_89155.jpg



Land-Side: View of pipes on levee shoulder

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.02	Rating **	M	Issue No.	115 (cont)
LM End	4.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201022 °	38.201022 °
				-121.543973 °	-121.543973 °
DWR ID	21437				

Photo 3 of 3 : UCIP\_FA\_2021\_61311\_89153.jpg



Land-Side: Pumping station at drainage channel

LM Start	4.22	Rating **	U	Issue No.	39
LM End	5.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.198884 °	38.190134 °
				-121.546223 °	-121.557559 °
DWR ID	DWR_RD0556_01_f_2017_39				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth including berry vines and arundo from landside slope and toe to allow for inspection and access.					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_39\_20210830\_00019.jpg



View of dense growth of wild vegetation, berry vines and arundo on landside slope and 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.36	Rating **	M	Issue No.	116	
LM End	4.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.197007 °	38.197007 °	
				-121.547339 °	-121.547339 °	
DWR ID	20843					
Comment Code						
Inspector Comment						
DS_ID:20843 FS_ID:61304 EP_NO: 5925 Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Not Found UCIP Comments: 06/22/2020 Record is Non-Urgent. Overgrown vegetation and trees on both slopes prevent levee inspection at this crossing. No inspection records were available to determine status of line through the levee. Crossing not found. No markers found to identify crossing alignment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 8-1/2 inch gas line through levee 3.0 feet below crown, and across Georgiana Slough with sign. (8-inch gas line authorized under Permit No. 5925, 1967 - PG&E). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 4.35)]. FS Date: 6/22/2020						

LM Start	<b>4.36</b>	Rating **	M	Issue No.	<b>116 (cont)</b>
LM End	<b>4.36</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61304\_89163.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61304\_89162.jpg



Water-Side: View of levee slope looking from 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/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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.36	Rating **	M	Issue No.	116 (cont)
LM End	4.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.197007 °	38.197007 °
				-121.547339 °	-121.547339 °
DWR ID	20843				

Photo 3 of 3 : UCIP\_FA\_2021\_61304\_89164.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.42	Rating **	M	Issue No.	117
LM End	4.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.196231 °	38.196231 °
				-121.547833 °	-121.547833 °
DWR ID	21438				

**Comment Code**

**Inspector Comment**

DS\_ID:21438  
 FS\_ID:61312  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 EVAL Issue: Limited Inspection/No UCIP Evaluation  
 Crossing Status: Not Found  
 UCIP Comments: 06/22/2020 Record is Non-Urgent. Crossing not found. Overgrown vegetation and trees on both slopes. Fence at landside toe. Unable to evaluate levee condition at this place. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 12-inch steel pipe through the levee at unknown depth. 3-24" lateral headgates on landside and pump on waterside of the levee. [Additional Reference(s):USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 377+00), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 9, Station 377+00, March 1950, Revised 16 Dec.1952].  
 FS Date: 6/22/2020

Photo 1 of 3 : UCIP\_FA\_2021\_61312\_89165.jpg



Top of Levee: View of levee crown looking downstream

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>4.42</b>	Rating **	M	Issue No.	<b>117 (cont)</b>
LM End	<b>4.42</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.196231 °	38.196231 °	
			-121.547833 °	-121.547833 °	
DWR ID	21438				

Photo 2 of 3 : UCIP\_FA\_2021\_61312\_89166.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>4.42</b>	Rating **	M	Issue No.	<b>117 (cont)</b>
LM End	<b>4.42</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61312\_89168.jpg



Land-Side: Overgrown vegetation and fence at levee 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.47	Rating **	M	Issue No.	118	
LM End	4.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.195712 °	38.195712 °	
				-121.548474 °	-121.548474 °	
DWR ID	20844					
Comment Code						
Inspector Comment						
DS_ID:20844 FS_ID:61305 EP_NO: 11172 Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Indicator Found UCIP Comments: 06/22/2020 Record is Non-Urgent. Overgrown vegetation on both slopes limit inspection. Power supply is connected to service pole on landside slope, although electric meter is missing. Crossing appears abandoned. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  FIELD_STRUCT_DESC: 12-inch pipe through levee 4.0 feet below crown. Pump in pumphouse on berm. Siphon breaker on landward shoulder. Service pole on landward, slope distribution box on landward toe. (12-inch pipe [HLM 4.46] authorized under Automatic Board Order (ABO) issued as Permit No. 11172, 1975 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 4.46)]. FS Date: 6/22/2020						

LM Start	<b>4.47</b>	Rating **	M	Issue No.	<b>118 (cont)</b>
LM End	<b>4.47</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61305\_89171.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61305\_89173.jpg



Water-Side: View of levee slope looking from 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>4.47</b>	Rating **	M	Issue No.	<b>118 (cont)</b>
LM End	<b>4.47</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.195712 °	38.195712 °	
			-121.548474 °	-121.548474 °	
DWR ID	20844				

Photo 3 of 3 : UCIP\_FA\_2021\_61305\_89169.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>4.67</b>	Rating **	M	Issue No.	<b>119</b>
LM End	<b>4.67</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.194043 °	38.194043 °	
			-121.551391 °	-121.551391 °	
DWR ID	20845				

**Comment Code**

**Inspector Comment**

DS\_ID:20845  
 FS\_ID:61306  
 EP\_NO: 11168  
 Repair Type: Non-Urgent  
 EVAL Issue: Limited Inspection/No UCIP Evaluation  
 Crossing Status: Indicator Found  
 UCIP Comments: 06/22/2020 Record is Non-Urgent. Overgrown vegetation on both slopes limits inspection of the crossing. Concrete standpipe located at landside levee toe. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 10-inch pipe through levee 3.0 feet below crown. Siphon breaker on landward shoulder. 36-inch standpipe on landside of the levee. (10-inch pipe [HLM 4.66] authorized under Automatic Board Order (ABO) issued as Permit No. 11168, 1975 - Walter Langhart). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 4.66).USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 362+50), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 9, Station 362+50, March 1950, Revised 16 Dec.1952, listed as 8-inch pipe].  
 FS Date: 6/22/2020

Photo 1 of 3 : UCIP\_FA\_2021\_61306\_89176.jpg



Top of Levee: View of levee crown looking downstream

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	4.67	Rating **	M	Issue No.	119 (cont)
LM End	4.67	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.194043 °	38.194043 °
				-121.551391 °	-121.551391 °
DWR ID	20845				

Photo 2 of 3 : UCIP\_FA\_2021\_61306\_89175.jpg



Water-Side: View of levee slope looking from crown

LM Start	<b>4.67</b>	Rating **	M	Issue No.	<b>119 (cont)</b>
LM End	<b>4.67</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61306\_89174.jpg



Land-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	5.10	Rating **	M	Issue No.	120
LM End	5.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.190110 °	38.190110 °
				-121.557581 °	-121.557581 °
DWR ID	20846				
Comment Code					
Inspector Comment					
DS_ID:20846 FS_ID:61307 EP_NO: 11168 Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Indicator Found UCIP Comments: 06/22/2020 Record is Non-Urgent. Concrete standpipe and junction pole at landside levee toe. Dense vegetation on both slopes limits inspection of this crossing. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch pipe through levee, 4.0 feet below crown. Siphon Breaker on landward slope. A 9 ft x 42-inch concrete standpipe. (12-inch pipe authorized under Permit No. 1281, 1948 - Walter Langhart). (10-inch pipe [HLM 5.09] authorized under Automatic Board Order (ABO) issued as Permit No. 11168, 1975 - Walter Langhart). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 5.09). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 340+14.1), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 9, Station 340+14.1, March 1950, Revised 16 Dec.1952, listed as 12-inch pipe]. FS Date: 6/22/2020					

LM Start	<b>5.10</b>	Rating **	M	Issue No.	<b>120 (cont)</b>
LM End	<b>5.10</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61307\_89177.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61307\_89179.jpg



Water-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>5.10</b>	Rating **	M	Issue No.	<b>120 (cont)</b>
LM End	<b>5.10</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.190110 °	38.190110 °
				-121.557581 °	-121.557581 °
DWR ID	20846				

Photo 3 of 3 : UCIP\_FA\_2021\_61307\_89178.jpg



Land-Side: Concrete standpipe and junction pole at levee toe

LM Start	<b>5.12</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>5.34</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.189775 °	38.187369 °
				-121.557729 °	-121.560247 °
DWR ID					

**Comment Code**

**Inspector Comment**

2018 Site ID: GEO 7.0 R  
 Status: Eroding  
 2018 Field Notes: Minor new toe erosion.  
 Site History: 1997 - Toe damaged rock. 1999 - One pocket filled with gravel. 2000 - Eroding beach with some biotech rolls and stakes; some gravel on slope. 2001 - Staked, low fascine walls at bankline. 2005 - Stone revetment in between pockets. 2006 - New rock on upper slope behind brush boxes at the upstream end, Stone is sliding off the hard toe. 2016 - Fresh erosion observed. 2017 - Site extended downstream. Large erosion pockets and significant toe erosion.

Photo 1 of 2 : FA\_2021\_RD0556\_18\_20\_20211218\_4.jpg



USACE 2018 Erosion Photo #1

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>5.12</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>5.34</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.189775 °	38.187369 °
				-121.557729 °	-121.560247 °
DWR ID					

Photo 2 of 2 : FA\_2021\_RD0556\_18\_20\_20211218\_8.jpg



USACE 2018 Erosion Photo #2

LM Start	5.24	Rating **	U	Issue No.	63
LM End	5.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188576 °	38.186712 °
				-121.559326 °	-121.561673 °
DWR ID	DWR_RD0556_01_s_2020_63				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	<b>5.31</b>	Rating **	M	Issue No.	<b>121</b>
LM End	<b>5.31</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.187831 °	38.187831 °	
			-121.560061 °	-121.560061 °	
DWR ID	21453				

**Comment Code**

**Inspector Comment**

DS\_ID:21453  
FS\_ID:61313  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: Limited Inspection/No UCIP Evaluation  
Crossing Status: Not Found  
UCIP Comments: 06/22/2020 Record is Non-Urgent. Dense vegetation on both levee slopes prevents inspection of this site. Crossing not found. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 6-inch steel pipe. 1-inch air and vacuum valve, 6 ft x 42-inch concrete standpipe. [Additional Reference(s):USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 328+28.2), listed as 6-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 8, Station 328+28.2, March 1950, Revised 16 Dec.1952].  
FS Date: 6/22/2020

LM Start	<b>5.31</b>	Rating **	M	Issue No.	<b>121 (cont)</b>
LM End	<b>5.31</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61313\_89181.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61313\_89182.jpg



Land-Side: View of levee slope looking from crown

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	5.31	Rating **	M	Issue No.	121 (cont)	
LM End	5.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.187831 °	38.187831 °	
				-121.560061 °	-121.560061 °	
DWR ID	21453					

Photo 3 of 3 : UCIP\_FA\_2021\_61313\_89183.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.33	Rating **	M	Issue No.	122
LM End	5.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.187651 °	38.187651 °
				-121.560247 °	-121.560247 °
DWR ID	20847				

**Comment Code**

**Inspector Comment**

DS\_ID:20847  
 FS\_ID:61308  
 EP\_NO: 10489  
 Repair Type: Non-Urgent  
 EVAL Issue: Unauthorized Modification or Non-Compliant Permit  
 Crossing Status: Found  
 UCIP Comments: 06/22/2020 Record is Non-Urgent. Slant pump was removed and replaced with smaller pump on pile structure at riverbank. Unable to find a permit for modification. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 10-inch pipe through levee, 3.5 feet below crown. Pump on pile structure at riverbank. 1-inch electrical conduit through levee at this location. Siphon breaker in CMP riser on landward slope. A 9 ft x 42-inch concrete standpipe on landside. Service pole with electric meter and connection panel at landside toe. Two sand media filters on landside. This crossing replaces 6-inch pipe (see DSID 25650). (10-inch pipe authorized under Permit No. 10489, 1975 - Daecie and Gamble). [Additional Reference(s): DWR Levee Log, unk.yr. (HLM 5.32). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 327+63.7), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 8, Station 327+63.7, March 1950, Revised 16 Dec.1952, listed as 8-inch pipe].  
 FS Date: 6/22/2020

Photo 1 of 3 : UCIP\_FA\_2021\_61308\_89184.jpg



Top of Levee: View of levee crown looking downstream

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	5.33	Rating **	M	Issue No.	122 (cont)
LM End	5.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.187651 °	38.187651 °
				-121.560247 °	-121.560247 °
DWR ID	20847				

Photo 2 of 3 : UCIP\_FA\_2021\_61308\_89185.jpg



Land-Side: View of levee slope looking from crown

LM Start	<b>5.33</b>	Rating **	M	Issue No.	<b>122 (cont)</b>
LM End	<b>5.33</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_61308\_89186.jpg



Land-Side: Siphon breaker inside of CMP riser on levee slope

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	5.34	Rating **	M	Issue No.	123
LM End	5.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.187461 °	38.187461 °
				-121.560446 °	-121.560446 °
DWR ID	20834				

**Comment Code**

**Inspector Comment**

DS\_ID:20834  
FS\_ID:61286  
EP\_NO: 11161  
Repair Type: Non-Urgent  
EVAL Issue: Limited Inspection/No UCIP Evaluation  
Crossing Status: Not Found  
UCIP Comments: 06/22/2020 Record is Non-Urgent. Crossing not found. Overgrown vegetation on both levee slopes limits inspection of the crossing. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)

FIELD\_STRUCT\_DESC: 6-inch pipe through levee, 3.0 feet below crown. Gate valve and pump on berm. Siphon Breaker on landward slope. (6-inch pipe [HLM 5.33] authorized under Automatic Board Order (ABO) issued as Permit No. 11161, 1975 - Gamble & Darsie).  
[Additional Reference(s): DWR Levee Log, unk.yr. (HLM 5.33)].  
FS Date: 6/22/2020

LM Start	<b>5.34</b>	Rating **	M	Issue No.	<b>123 (cont)</b>
LM End	<b>5.34</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_61286\_89193.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2021\_61286\_89194.jpg



Land-Side: View of levee slope looking from 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/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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/01/2021 09/01/2021	David Julian

LM Start	5.34	Rating **	M	Issue No.	123 (cont)
LM End	5.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.187461 °	38.187461 °
				-121.560446 °	-121.560446 °
DWR ID	20834				

Photo 3 of 3 : UCIP\_FA\_2021\_61286\_89195.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.48	Rating **	U	Issue No.	44
LM End	5.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.186448 °	38.186447 °
				-121.562673 °	-121.562674 °
DWR ID	DWR_RD0556_01_s_2021_44				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_18\_44\_20210830\_00024.jpg



View looking downstream landscaping shrubs on the landside slope (Spring 2021).

<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  
Unit Cover Sheet**

**Reclamation District No. 0556 Upper Andrus**

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Left	5.72
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/26/2021 - 4/26/2021		10/22/2021 - 10/22/2021	
DWR Inspector	David Julian		David Julian	
Accompanied By	Alan Silva Reclamation District 556		Alan Silva Reclamation District 556	

**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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	0.03	Rating **	M	Issue No.	120
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239100 °	38.238888 °
				-121.518819 °	-121.520677 °
DWR ID	DWR_RD0556_02_f_2021_120				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.04	Rating **	U	Issue No.	92
LM End	0.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.239106 °	38.238912 °
				-121.518972 °	-121.520247 °
DWR ID	DWR_RD0556_02_f_2019_92				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are multiple fresh squirrel holes on the slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_92\_20210830\_00057.jpg



View of multiple fresh squirrel holes in the landside slope (Fall 2019).

LM Start	0.04	Rating **	U	Issue No.	20
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.239167 °	38.239167 °
				-121.519040 °	-121.519040 °
DWR ID	DWR_RD0556_02_f_2019_20				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_20\_20211022\_00094.jpg



View of depression caused by vehicle on the waterside slope (Fall 2021).

<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>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	0.08	Rating **	M	Issue No.	42
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239029 °	38.239029 °
				-121.519667 °	-121.519667 °
DWR ID	DWR_RD0556_02_s _ 2021_42				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.30	Rating **	M	Issue No.	82
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238516 °	38.238516 °
				-121.523640 °	-121.523640 °
DWR ID	DWR_RD0556_02_s _ 2021_82				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.30	Rating **	M	Issue No.	119
LM End	0.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238516 °	38.238177 °
				-121.523640 °	-121.525821 °
DWR ID	DWR_RD0556_02_f _ 2021_119				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	0.42	Rating **	M	Issue No.	39
LM End	0.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238167 °	38.238167 °
				-121.525878 °	-121.525878 °
DWR ID	DWR_RD0556_02_s_2021_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.50	Rating **	M	Issue No.	43
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.237963 °	38.237963 °
				-121.527372 °	-121.527372 °
DWR ID	DWR_RD0556_02_f_2019_43				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Fishermen trail is on slope.					

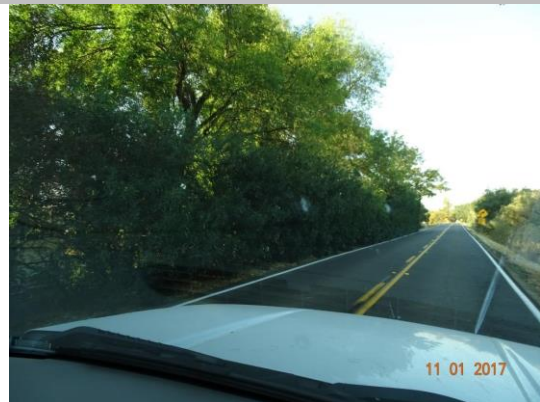
Photo 1 of 1 : FA\_2021\_RD0556\_19\_43\_20210830\_00024.jpg



View of fishermen trail digging into levee on the waterside slope (Fall 2019).

LM Start	0.53	Rating **	U	Issue No.	25
LM End	0.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237833 °	38.237725 °
				-121.527766 °	-121.528428 °
DWR ID	DWR_RD0556_02_f_2017_25				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim/thin oleanders on the landside of the levee.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_25\_20210830\_00011.jpg



View of oleanders on the landside of the levee.

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	0.63	Rating **	U	Issue No.	34
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.237530 °	38.237530 °
				-121.529552 °	-121.529552 °
DWR ID	DWR_RD0556_02_f_2021_34				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_34\_20211022\_00095.jpg



View looking downstream at thick tree on the waterside slope (Fall 2021).

LM Start	0.74	Rating **	U	Issue No.	81
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237577 °	38.237842 °
				-121.531594 °	-121.533616 °
DWR ID	DWR_RD0556_02_s_2021_81				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_81\_20211022\_00108.jpg



View looking upstream at thick vegetation on the landside slope (Fall 2021).

LM Start	0.89	Rating **	M	Issue No.	118
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.237937 °	38.237937 °
				-121.534316 °	-121.534316 °
DWR ID	DWR_RD0556_02_f_2021_118				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>0.94</b>	Rating **	M	Issue No.	<b>121 (cont)</b>
LM End	<b>0.94</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.238125 °	38.238125 °	
			-121.535267 °	-121.535267 °	
DWR ID	20851				

Photo 3 of 3 : UCIP\_FA\_2021\_12512\_20243.jpg



WS- pipe daylight from the pump house.

LM Start	0.94	Rating **	M	Issue No.	117
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238137 °	38.238844 °
				-121.535328 °	-121.538274 °
DWR ID	DWR_RD0556_02_f_2021_117				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	1.03	Rating **	M	Issue No.	19
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.238772 °	38.239265 °
				-121.536788 °	-121.538845 °
DWR ID					

**Comment Code**

**Inspector Comment**

2018 Site ID: SAC 25.2 L  
Status: Eroding  
2018 Field Notes: Additional erosion along toe. Site extended upstream.  
Site History: 1997 - Rock is in poor condition and has failed in many places. Scallops in berm with remnants of old rock in the toe area.  
2005 - Brush boxes present. 2013 - Site extended upstream approximately 300 ft to include new erosion pockets. 2015 - Minor new erosion at toe. 2017 - Minor new erosion observed.

LM Start	<b>1.03</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA\_2021\_RD0556\_19\_19\_20211218\_61.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : FA\_2021\_RD0556\_19\_19\_20211218\_62.jpg



USACE 2018 Erosion Photo #2

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	1.11	Rating **	U	Issue No.	26
LM End	1.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238857 °	38.238857 °
				-121.538310 °	-121.538310 °
DWR ID	DWR_RD0556_02_f _ 2017_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim/thin oleanders on the landside of the levee.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_26\_20210830\_00012.jpg



Manage oleanders to allow inspection and access.

LM Start	1.15	Rating **	C	Issue No.	48
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239055 °	38.239055 °
				-121.538986 °	-121.538986 °
DWR ID	DWR_RD0556_02_s_2021_48				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.16	Rating **	U	Issue No.	116
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239052 °	38.239116 °
				-121.539107 °	-121.539371 °
DWR ID	DWR_RD0556_02_f_2021_116				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_116\_20211022\_00107.jpg



View of thick vegetation on the landside slope (Fall 2021).

<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>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

## Levee Inspection Report By Mile - Fall 2021

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>1.22</b>	Rating **	M	Issue No.	<b>122 (cont)</b>
LM End	<b>1.22</b>	Issue Type +	En	Location *	

A large, rusted metal pipe lies horizontally on the ground, partially covered by dry grass and small white flowers. A small, dark, cylindrical object is attached to the pipe. The pipe is heavily rusted, with a large section of the rust peeling off, revealing a lighter, possibly painted, surface underneath. The surrounding vegetation includes dry grass and small white flowers with yellow centers.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>1.22</b>	Rating **	M	Issue No.	<b>122 (cont)</b>
LM End	<b>1.22</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.239327 °	38.239327 °
				-121.540190 °	-121.540190 °
DWR ID	20852				

Photo 3 of 3 : UCIP\_FA\_2021\_12573\_20383.jpg



WS- 6-inch steel pipe on levee slope

LM Start	1.26	Rating **	M	Issue No.	113
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239451 °	38.240956 °
				-121.540831 °	-121.551065 °
DWR ID	DWR_RD0556_02_f_2021_113				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.31	Rating **	C	Issue No.	28
LM End	1.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239677 °	38.239677 °
				-121.541715 °	-121.541716 °
DWR ID	DWR_RD0556_02_f_2017_28				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim/thin oleanders on the landside of the levee.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	1.32	Rating **	M	Issue No.	115
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239681 °	38.239681 °
				-121.541945 °	-121.541945 °
DWR ID	DWR_RD0556_02_f_2021_115				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	U	Issue No.	40
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240060 °	38.240060 °
				-121.543884 °	-121.543884 °
DWR ID	DWR_RD0556_02_f_2021_40				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_40\_20211022\_00096.jpg



View looking upstream at thick vegetation on the waterside slope (Fall 2021).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	1.45	Rating **	M	Issue No.	18
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.240401 °	38.240772 °
				-121.544106 °	-121.546791 °
DWR ID					

**Comment Code**

**Inspector Comment**

2018 Site ID: SAC 24.8 L  
Status: Eroding  
2018 Field Notes: Site extended upstream.  
Site History: 1997 - Slow erosion of the berm at the waterline; bench below water. 2005 - Brush boxes present. 2010 - Minor new erosion. 2013 - There is little to no berm remaining at downstream end of this site. 2016 - New erosion on levee slope. 2017 - Significant lower bank erosion.

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA\_2021\_RD0556\_19\_18\_20211218\_59.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : FA\_2021\_RD0556\_19\_18\_20211218\_60.jpg



USACE 2018 Erosion Photo #2

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	1.47	Rating **	M	Issue No.	50
LM End	1.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240183 °	38.240183 °
				-121.544567 °	-121.544567 °
DWR ID	DWR_RD0556_02_f _ 2021_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	1.47	Rating **	U	Issue No.	41
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240175 °	38.240175 °
				-121.544683 °	-121.544683 °
DWR ID	DWR_RD0556_02_s_2018_41				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Cactus on the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_41\_20210830\_00023.jpg



View of cactus and other landscaping.

LM Start	1.51	Rating **	U	Issue No.	114
LM End	1.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240297 °	38.240297 °
				-121.545370 °	-121.545370 °
DWR ID	DWR_RD0556_02_f_2021_114				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove down tree limbs on landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_114\_20211022\_00106.jpg



View of down tree branches on the landside slope (Fall 2021).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	1.57	Rating **	U	Issue No.	47
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240455 °	38.240455 °
				-121.546362 °	-121.546362 °
DWR ID	DWR_RD0556_02_s_2019_47				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove cactus from the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_47\_20210830\_00028.jpg



View looking downstream at cactus on the landside slope (Spring 2019).

LM Start	1.82	Rating **	U	Issue No.	70
LM End	1.92	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241010 °	38.240618 °
				-121.551033 °	-121.552747 °
DWR ID	DWR_RD0556_02_f_2018_70				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Thin oleanders to allow view down the levee slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_70\_20210830\_00045.jpg



View looking downstream at oleanders on the waterside slope (Fall 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	1.83	Rating **	U	Issue No.	86
LM End	1.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240944 °	38.240851 °
				-121.551078 °	-121.551833 °
DWR ID	DWR_RD0556_02_s_2020_86				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_86\_20210830\_00054.jpg



View looking upstream at landscaping on the landside slope (Spring 2020).

LM Start	1.89	Rating **	U	Issue No.	30
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240775 °	38.240024 °
				-121.552183 °	-121.553860 °
DWR ID	DWR_RD0556_02_f_2017_30				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove cactus on the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_30\_20210830\_00015.jpg



Trim/thin oleanders on landside slope.

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.02	Rating **	U	Issue No.	68
LM End	2.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239807 °	38.239409 °
				-121.554221 °	-121.554889 °
DWR ID	DWR_RD0556_02_f_2021_68				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_68\_20211022\_00097.jpg



View looking downstream at landscaping on the waterside slope (Fall 2021).

LM Start	2.06	Rating **	U	Issue No.	32
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239470 °	38.239470 °
				-121.554845 °	-121.554845 °
DWR ID	DWR_RD0556_02_s_2020_32				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Arundo growth should be removed to allow inspection and access to the landside slope and toe.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_32\_20210830\_00017.jpg



View of arundo on the landside slope and toe.

LM Start	2.07	Rating **	M	Issue No.	77
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239304 °	38.238996 °
				-121.554982 °	-121.555454 °
DWR ID	DWR_RD0556_02_s_2021_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.10	Rating **	M	Issue No.	112
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239061 °	38.239061 °
				-121.555353 °	-121.555353 °
DWR ID	DWR_RD0556_02_f_2021_112				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Century plants beginning to establish again.					

No Photos

LM Start	2.12	Rating **	U	Issue No.	57
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.238885 °	38.238885 °
				-121.555597 °	-121.555597 °
DWR ID	DWR_RD0556_02_f_2019_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_57\_20210830\_00037.jpg



View looking downstream at down tree on waterside shoulder (Fall 2020).

LM Start	2.13	Rating **	C	Issue No.	87
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238780 °	38.238780 °
				-121.555717 °	-121.555717 °
DWR ID	DWR_RD0556_02_f_2018_87				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove cactus from the landside slope.					

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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.13	Rating **	U	Issue No.	73
LM End	2.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238760 °	38.238312 °
				-121.555764 °	-121.556357 °
DWR ID	DWR_RD0556_02_s_2021_73				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_73\_20210830\_00047.jpg



View looking downstream at thick landscaping trees on the landside slope (Spring 2021).

LM Start	2.14	Rating **	U	Issue No.	2
LM End	2.14	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238644 °	38.238644 °
				-121.555967 °	-121.555967 °
DWR ID	DWR_RD0556_02_f_2020_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim oleanders on the waterside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_2\_20210830\_00002.jpg



View looking upstream oleanders on the waterside slope (Fall 2020).

LM Start	2.19	Rating **	U	Issue No.	33
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238172 °	38.237883 °
				-121.556502 °	-121.556958 °
DWR ID	DWR_RD0556_02_f_2017_33				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Large growth of prickly pear cactus should be removed to allow inspection and access.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_33\_20210830\_00018.jpg



View of large growth of prickly pear cactus.

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.23	Rating **	U	Issue No.	111
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237741 °	38.237741 °
				-121.557062 °	-121.557062 °
DWR ID	DWR_RD0556_02_f_2021_111				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_111\_20211022\_00105.jpg



View of thick vegetation on the landside slope (Fall 2021).

LM Start	2.26	Rating **	M	Issue No.	75
LM End	2.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237434 °	38.237434 °
				-121.557414 °	-121.557414 °
DWR ID	DWR_RD0556_02_f_2021_75				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.28	Rating **	M	Issue No.	1
LM End	2.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237156 °	38.237156 °
				-121.557640 °	-121.557640 °
DWR ID	DWR_RD0556_02_f_2015_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					
These unauthorized planted redwoods have been reported in the past inspections. The District needs to have the owner remove them from the levee slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_1\_20210830\_00001.jpg



RD 556 Unit 2 Levee mile 2.28 unauthorized planting of redwood trees planted on the slope.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.29	Rating **	U	Issue No.	35
LM End	2.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237060 °	38.236545 °
				-121.557782 °	-121.557910 °
DWR ID	DWR_RD0556_02_f_2017_35				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim/thin oleanders to allow inspection and access to landside slope and toe.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_35\_20210830\_00019.jpg



View of oleanders on the landside slope and toe.

LM Start	2.34	Rating **	M	Issue No.	83
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.236300 °	38.236300 °
				-121.558008 °	-121.558008 °
DWR ID	DWR_RD0556_02_f_2021_83				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.35	Rating **	M	Issue No.	110
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236150 °	38.230151 °
				-121.558004 °	-121.555608 °
DWR ID	DWR_RD0556_02_f_2021_110				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.37	Rating **	M	Issue No.	72
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.235900 °	38.235900 °
				-121.558041 °	-121.558041 °
DWR ID	DWR_RD0556_02_s_2021_72				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.39	Rating **	U	Issue No.	89
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.235578 °	38.235578 °
				-121.558105 °	-121.558105 °
DWR ID	DWR_RD0556_02_f_2021_89				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_89\_20211022\_00098.jpg



View looking downstream at thick trees on the landside slope (Fall 2021).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>2.42</b>	Rating **	M	Issue No.	<b>123 (cont)</b>
LM End	<b>2.42</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.235261 °	38.235261 °	
			-121.558059 °	-121.558059 °	
DWR ID	20859				

Photo 3 of 3 : UCIP\_FA\_2021\_12574\_20386.jpg



WS- power control panel and electric conduit in pump house.

LM Start	2.43	Rating **	U	Issue No.	45
LM End	2.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.235036 °	38.234721 °
				-121.558011 °	-121.557952 °
DWR ID	DWR_RD0556_02_s_2019_45				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove cactus from the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_45\_20210830\_00026.jpg



View of cactus on the landside slope (Spring 2019).

LM Start	2.46	Rating **	U	Issue No.	90
LM End	2.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.234634 °	38.234634 °
				-121.557988 °	-121.557988 °
DWR ID	DWR_RD0556_02_f_2021_90				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_90\_20211022\_00099.jpg



View looking upstream at thick vegetation on the waterside slope (Fall 2021).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.48	Rating **	M	Issue No.	91
LM End	2.48	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.234367 °	38.234367 °
				-121.557948 °	-121.557948 °
DWR ID	DWR_RD0556_02_f _ 2021_91				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	2.54	Rating **	U	Issue No.	76
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233487 °	38.233487 °
				-121.557639 °	-121.557639 °
DWR ID	DWR_RD0556_02_s_2020_76				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove cactus on the landside toe.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_76\_20210830\_00049.jpg



View of large cactus on the landside slope (Fall 2020).

LM Start	2.69	Rating **	C	Issue No.	44
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.231494 °	38.231494 °
				-121.556474 °	-121.556474 °
DWR ID	DWR_RD0556_02_s_2020_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from the waterside shoulder.					

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		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.73	Rating **	M	Issue No.	69
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.230962 °	38.230962 °
				-121.556101 °	-121.556101 °
DWR ID	DWR_RD0556_02_s_2021_69				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.75	Rating **	U	Issue No.	88
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.230752 °	38.230752 °
				-121.556007 °	-121.556007 °
DWR ID	DWR_RD0556_02_f_2019_88				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree limb blocking view of landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_88\_20210830\_00056.jpg



View of broken tree limb blocking the view of the landside slope (Fall 2019).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	2.84	Rating **	M	Issue No.	124	
LM End	2.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.229524 °		38.229524 °
				-121.555404 °		-121.555404 °
DWR ID	20849					
Comment Code						
Inspector Comment						
DS_ID:20849 FS_ID:41713 EP_NO: 11181 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: - Needs to clean siphon breaker CMP riser. FIELD_STRUCT_DESC: 6-inch irrigation discharge pipe of an unknown material through the levee, 6 feet below the crown. Pressure tank in a pump house on the waterside (WS) berm. Service pole, siphon breaker, and distribution box on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6 feet below the crown; a pump, a gate valve, and a pressure tank on the WS berm; and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log]. FS Date: 4/25/2013						

Photo 1 of 3 : UCIP\_FA\_2021\_41713\_20284.jpg



WS- pump house on levee berm.

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>124 (cont)</b>
LM End	<b>2.84</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2021\_41713\_20283.jpg



LS- siphon breaker in CMP riser on levee slope.

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>124 (cont)</b>
LM End	<b>2.84</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.229524 °	38.229524 °
				-121.555404 °	-121.555404 °
DWR ID	20849				

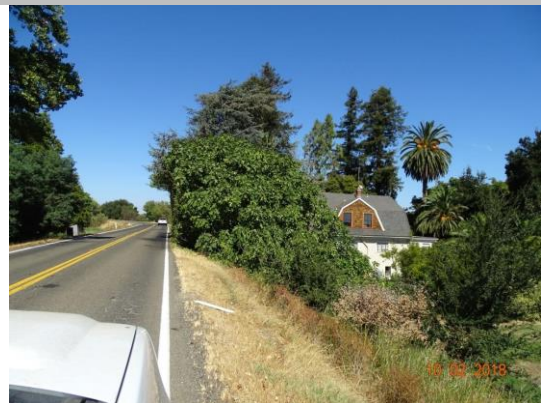
Photo 3 of 3 : UCIP\_FA\_2021\_41713\_20282.jpg



LS- concrete distribution box near toe of the levee

LM Start	2.86	Rating **	U	Issue No.	46
LM End	2.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.229195 °	38.229082 °
				-121.555337 °	-121.555316 °
DWR ID	DWR_RD0556_02_f_2019_46				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_46\_20210830\_00027.jpg



View looking upstream at beginning of landscaping on landside (October 2018).

LM Start	2.89	Rating **	M	Issue No.	108
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228846 °	38.220682 °
				-121.555263 °	-121.555897 °
DWR ID	DWR_RD0556_02_f_2021_108				
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>3.07</b>	Rating **	M	Issue No.	<b>125 (cont)</b>
LM End	<b>3.07</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.226225 °	38.226225 °	
			-121.555236 °	-121.555236 °	
DWR ID	20862				

Photo 3 of 3 : UCIP\_FA\_2021\_12525\_20288.jpg



LS- a concrete spill box on landside of the levee.

LM Start	3.07	Rating **	M	Issue No.	59
LM End	3.07	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226155 °	38.226155 °
				-121.555273 °	-121.555273 °
DWR ID	DWR_RD0556_02_f_2019_59				
Comment Code					
MA : Material					
Inspector Comment					
There is an abandoned uninstalled pipe on waterside.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_59\_20210830\_00039.jpg



View of abandoned uninstalled pipe on the waterside toe (Fall 2019).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.16	Rating **	M	Issue No.	17
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.224850 °	38.223233 °
				-121.555641 °	-121.555687 °
DWR ID					

**Comment Code**

**Inspector Comment**

2018 Site ID: SAC 23.2 L  
 Status: Eroding  
 2018 Field Notes: Additional tree popouts and new erosion throughout site.  
 Site History: 2000 - Recently fallen cottonwood at the downstream end.  
 2005 - Empty brush boxes. 2011 - A few trees have fallen since last year. 2012 - Potential new tree popout since last year. 2013 - New erosion at downstream end of site and a recent tree pop-out observed.  
 2016 - New erosion at the toe. 2017 - New erosion along lower bank.

LM Start	<b>3.16</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.28</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA\_2021\_RD0556\_19\_17\_20211218\_10.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : FA\_2021\_RD0556\_19\_17\_20211218\_58.jpg



USACE 2018 Erosion Photo #2

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.19	Rating **	C	Issue No.	62
LM End	3.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224529 °	38.224529 °
				-121.555372 °	-121.555372 °
DWR ID	DWR_RD0556_02_s_2021_62				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

No Photos

LM Start	3.24	Rating **	U	Issue No.	61
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.223707 °	38.223457 °
				-121.555396 °	-121.555414 °
DWR ID	DWR_RD0556_02_s_2021_61				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_61\_20210830\_00040.jpg



View looking downstream at willows on the landside slope (Spring 2021).

LM Start	3.29	Rating **	M	Issue No.	85
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.222995 °	38.222995 °
				-121.555433 °	-121.555433 °
DWR ID	DWR_RD0556_02_f_2019_85				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.38	Rating **	C	Issue No.	64
LM End	3.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.221741 °	38.220702 °
				-121.555667 °	-121.555934 °
DWR ID	DWR_RD0556_02_s_2021_64				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

No Photos

LM Start	3.38	Rating **	M	Issue No.	109
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.221674 °	38.221674 °
				-121.555639 °	-121.555639 °
DWR ID	DWR_RD0556_02_f_2021_109				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.51	Rating **	M	Issue No.	126
LM End	3.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.219851 °	38.219851 °
				-121.556129 °	-121.556129 °
DWR ID	20863				

**Comment Code**

**Inspector Comment**

DS\_ID:20863  
FS\_ID:12527  
EP\_NO: 11181  
Repair Type: Non-Urgent  
EVAL Issue:  
Crossing Status: Found  
UCIP Comments: - needs to fix siphon breaker  
FIELD\_STRUCT\_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Steel walkway to the pump on a pile structure in the river. Siphon breaker on the waterside (WS). Service pole on the landside (LS) slope. Concrete spill box with two 15-inch openings on the LS. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a steel walkway to the pump on a pile structure in the river, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 58+00), invert elevation 18.2 feet].  
FS Date: 4/25/2013

LM Start	<b>3.51</b>	Rating **	M	Issue No.	<b>126 (cont)</b>
LM End	<b>3.51</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_12527\_20297.jpg



WS- pump, pipe, and walkway on steel structure in the stream.

Photo 2 of 3 : UCIP\_FA\_2021\_12527\_20296.jpg



WS- siphon breaker and abandoned CMP riser laying adjacent to it.

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.51	Rating **	M	Issue No.	126 (cont)	
LM End	3.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.219851 °	38.219851 °	
				-121.556129 °	-121.556129 °	
DWR ID	20863					

Photo 3 of 3 : UCIP\_FA\_2021\_12527\_20295.jpg



WS- siphon breaker on levee slope.

LM Start	3.54	Rating **	M	Issue No.	78
LM End	3.54	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.219407 °	38.219407 °
				-121.556280 °	-121.556280 °
DWR ID	DWR_RD0556_02_f_2018_78				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs encroaching into slope do not have a permit.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_78\_20210830\_00050.jpg



View of stairs on waterside slope (October 2018).

LM Start	3.57	Rating **	A/W	Issue No.	23
LM End	3.95	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.218950 °	38.213490 °
				-121.556300 °	-121.556850 °
DWR ID	DWR_RD0556_02_R_2012_03				
Comment Code					
Inspector Comment					
This was a 2017 Storm Damage site. Seepage observed during 2017 high water. Site ID No:68 Site Designation:DWR_RD0556_02_R_2012_03					

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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.58	Rating **	M	Issue No.	16
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.218951 °	38.218104 °
				-121.556689 °	-121.556819 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: SAC 22.7 L					
Status: Eroding					
2018 Field Notes: No observed change.					
Site History: 1997 - Scallops into berm and very close to levee toe.					
2005 - Brush boxes present. 2011 - New toe scour and freshly fallen tree. 2012 - New tree popout has taken significant portion of soil out of the levee. 2017 - Minor new erosion at toe.					

Photo 1 of 2 : FA\_2021\_RD0556\_19\_16\_20211218\_8.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : FA\_2021\_RD0556\_19\_16\_20211218\_9.jpg



USACE 2018 Erosion Photo #2

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.58	Rating **	U	Issue No.	49
LM End	3.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.218889 °	38.216543 °
				-121.556388 °	-121.556777 °
DWR ID	DWR_RD0556_02_s_2018_49				
Comment Code					
V6 : Landscaping					
Inspector Comment					
A row of evergreen trees block inspection and access. They should be trimmed to 5' above the levee.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_49\_20210830\_00030.jpg



View of landscaping trees on the landside.

LM Start	3.68	Rating **	M	Issue No.	63
LM End	3.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.217462 °	38.217462 °
				-121.556647 °	-121.556647 °
DWR ID	DWR_RD0556_02_f_2019_63				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion on waterside shoulder.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_63\_20210830\_00042.jpg



View of erosion on the waterside shoulder (Fall 2019).

LM Start	3.83	Rating **	M	Issue No.	84
LM End	3.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215223 °	38.214688 °
				-121.556903 °	-121.556868 °
DWR ID	DWR_RD0556_02_f_2018_84				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_84\_20210830\_00053.jpg



View looking upstream at thick trees on the landside 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>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.90	Rating **	M	Issue No.	107
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214268 °	38.213856 °
				-121.556834 °	-121.556820 °
DWR ID	DWR_RD0556_02_f_2021_107				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo beginning to establish.					

No Photos

LM Start	3.95	Rating **	M	Issue No.	15
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.213581 °	38.211112 °
				-121.557197 °	-121.557042 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: SAC 22.5 L Status: Eroding 2018 Field Notes: Minor new erosion at toe. Site History: 2002 - Spot rock along berm, but not in the erosion pockets. 2005 - Some new minor stone revetment at the upstream end. Brush boxes present. 2006 - Currently installing new brush in downstream brush boxes. 2007 - Rock in middle portion for about 150 ft. 2010 - Some attempt at repairs but still has pockets of erosion. 2012 - More erosion along the toe. 2017 - New lower bank erosion at the upstream end. Locals placed rock in some erosion pockets.					

Photo 1 of 2 : FA\_2021\_RD0556\_19\_15\_20211218\_6.jpg



USACE 2018 Erosion Photo #1

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.95	Rating **	M	Issue No.	15 (cont)
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.213581 °	38.211112 °
				-121.557197 °	-121.557042 °
DWR ID					

Photo 2 of 2 : FA\_2021\_RD0556\_19\_15\_20211218\_7.jpg



USACE 2018 Erosion Photo #2

LM Start	3.97	Rating **	M	Issue No.	5
LM End	3.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213244 °	38.213244 °
				-121.556803 °	-121.556803 °
DWR ID	DWR_RD0556_02_s_2021_5				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

\* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.99	Rating **	M	Issue No.	127
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.213031 °	38.213031 °
				-121.556800 °	-121.556800 °
DWR ID	20864				
Comment Code					
Inspector Comment					
DS_ID:20864 FS_ID:12543 EP_NO: 11197 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: Electric control panel in pump house.Needs cleaning of CMP riser on landside. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Slant pump on a steel pile structure in the river. Walkway to the pump. Gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service poles on the landside (LS) slope. Concrete standpipe on the LS. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11197, 1975 - Richard T. and Mary B. Souza). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 32+40), invert elevation 18.1 feet]. FS Date: 4/25/2013					
LM Start	3.99	Rating **	M	Issue No.	127 (cont)
LM End	3.99	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_12543\_20302.jpg



WS- pipe and pump on steel pile structure. Steel walkway from pump house to the pump on steel structure.

Photo 2 of 3 : UCIP\_FA\_2021\_12543\_20301.jpg



LS- siphon breaker in CMP riser and concrete standpipe behind CMP riser.

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	3.99	Rating **	M	Issue No.	127 (cont)	
LM End	3.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.213031 °	38.213031 °	
				-121.556800 °	-121.556800 °	
DWR ID	20864					

Photo 3 of 3 : UCIP\_FA\_2021\_12543\_20300.jpg



LS- siphon breaker in CMP riser. It needs cleaning.

LM Start	4.01	Rating **	U	Issue No.	71
LM End	4.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212672 °	38.212672 °
				-121.556759 °	-121.556759 °
DWR ID	DWR_RD0556_02_s_2020_71				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Arundo on the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_71\_20210830\_00046.jpg



View of thick arundo on the landside slope (Spring 2020).

LM Start	4.04	Rating **	M	Issue No.	106
LM End	4.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212196 °	38.211372 °
				-121.556746 °	-121.556725 °
DWR ID	DWR_RD0556_02_f_2021_106				
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.13	Rating **	U	Issue No.	105
LM End	4.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210922 °	38.208171 °
				-121.556735 °	-121.556800 °
DWR ID	DWR_RD0556_02_f_2021_105				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_105\_20211022\_00104.jpg



View looking upstream at thick vegetation on the landside slope (Fall 2021).

LM Start	4.15	Rating **	C	Issue No.	53
LM End	4.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210623 °	38.207880 °
				-121.556732 °	-121.556842 °
DWR ID	DWR_RD0556_02_s_2020_53				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Trim arundo 20' back down waterside slope.					

No Photos

LM Start	4.15	Rating **	U	Issue No.	55
LM End	4.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210623 °	38.210623 °
				-121.556733 °	-121.556733 °
DWR ID	DWR_RD0556_02_s_2020_55				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_55\_20210830\_00035.jpg



View of thick tree on the landside slope (Spring 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.22	Rating **	U	Issue No.	51
LM End	4.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209629 °	38.208062 °
				-121.556757 °	-121.556807 °
DWR ID	DWR_RD0556_02_s_2020_51				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove arundo from landside slope and willows on the landside toe.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_51\_20210830\_00031.jpg



View of thick arundo on the landside slope (Spring 2020).

LM Start	4.26	Rating **	M	Issue No.	128	
LM End	4.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.209117 °	38.209117 °	
				-121.556803 °	-121.556803 °	
DWR ID	20865					
Comment Code						
Inspector Comment						
DS_ID:20865 FS_ID:12545 EP_NO: 11194 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: - CMP riser found abandoned on LS slope. Due to dense vegetation siphon breaker could not be found.- Dense vegetation on both sides of the levee.- Oil leaks from pump set. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 6.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 18+20), invert elevation 18 feet]. FS Date: 4/25/2013						

Photo 1 of 3 : UCIP\_FA\_2021\_12545\_20310.jpg



WS- pump house not visible due to the dense vegetation.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.26	Rating **	M	Issue No.	128 (cont)
LM End	4.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.209117 °	38.209117 °
				-121.556803 °	-121.556803 °
DWR ID	20865				

Photo 2 of 3 : UCIP\_FA\_2021\_12545\_20309.jpg



WS- pump house inside the dense vegetation.

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>128 (cont)</b>
LM End	<b>4.26</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_12545\_20308.jpg



WS- pump, gate valve and pipe in pump house.

LM Start	4.40	Rating **	M	Issue No.	65
LM End	4.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.207032 °	38.207032 °
				-121.556819 °	-121.556819 °
DWR ID	DWR_RD0556_02_s _ 2021_65				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.41	Rating **	U	Issue No.	36
LM End	4.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206832 °	38.206418 °
				-121.556783 °	-121.556770 °
DWR ID	DWR_RD0556_02_f_2017_36				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders, trees, and other landscaping should be trimmed to allow inspection and access to the landside slope and toe.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_36\_20210830\_00020.jpg



View of landscaping on the landside.

LM Start	4.43	Rating **	C	Issue No.	54
LM End	4.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.206628 °	38.206628 °
				-121.556829 °	-121.556829 °
DWR ID	DWR_RD0556_02_s_2018_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	4.44	Rating **	M	Issue No.	104
LM End	4.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206418 °	38.203901 °
				-121.556770 °	-121.556774 °
DWR ID	DWR_RD0556_02_f_2021_104				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.44	Rating **	M	Issue No.	14
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.206377 °	38.205729 °
				-121.557184 °	-121.557108 °
DWR ID					
Comment Code					
Inspector Comment					
2018 Site ID: SAC 21.9 L					
Status: Eroding					
2018 Field Notes: No observed change.					
Site History: 2013 - Erosion pockets encroaching on levee foundation.					

Photo 1 of 2 : FA\_2021\_RD0556\_19\_14\_20211218\_4.jpg



USACE 2018 Erosion Photo #1

LM Start	<b>4.44</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>4.49</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2021\_RD0556\_19\_14\_20211218\_5.jpg



USACE 2018 Erosion Photo #2

LM Start	4.46	Rating **	U	Issue No.	67
LM End	4.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206205 °	38.205968 °
				-121.556820 °	-121.556820 °
DWR ID	DWR_RD0556_02_s_2021_67				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_67\_20210830\_00044.jpg



View looking downstream at willows on the waterside slope (Spring 2021).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.54	Rating **	M	Issue No.	129	
LM End	4.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.204974 °	38.204974 °	
				-121.556789 °	-121.556789 °	
DWR ID	20866					
Comment Code						
Inspector Comment						
DS_ID:20866 FS_ID:12546 EP_NO: 11940 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: - Abandoned crossing.- Siphon breaker on LS not found due to dense vegetation, - An abandoned CMP riser and service pole found on LS.- It may need to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service pole on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 2+73), invert elevation 18 feet]. FS Date: 4/25/2013						

LM Start	<b>4.54</b>	Rating **	M	Issue No.	<b>129 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_12546\_20314.jpg



WS- abandoned pump house on levee slope. Dense vegetation on levee slope.

Photo 2 of 3 : UCIP\_FA\_2021\_12546\_20313.jpg



WS- pipe daylight from levee slope to pump house.

* 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>4.54</b>	Rating **	M	Issue No.	<b>129 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.204974 °	38.204974 °	
			-121.556789 °	-121.556789 °	
DWR ID	20866				

Photo 3 of 3 : UCIP\_FA\_2021\_12546\_20315.jpg



WS- abandoned gate valve, pump, and pipe in pump house

LM Start	4.57	Rating **	U	Issue No.	56
LM End	4.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.204558 °	38.204544 °
				-121.556773 °	-121.556769 °
DWR ID	DWR_RD0556_02_s_2018_56				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove dead tree/limb from the landside.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_56\_20210830\_00036.jpg



Fallen tree on landside should be removed.

LM Start	4.57	Rating **	U	Issue No.	60
LM End	4.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.204537 °	38.204537 °
				-121.556782 °	-121.556782 °
DWR ID	DWR_RD0556_02_s_2021_60				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_60\_20211022\_00103.jpg



View looking upstream at thick trees on the landside slope (Fall 2021).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.62	Rating **	U	Issue No.	102
LM End	4.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.203902 °	38.198631 °
				-121.556775 °	-121.558196 °
DWR ID	DWR_RD0556_02_f_2021_102				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries on the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_102\_20211022\_00102.jpg



View looking upstream at blackberries on the landside slope (Fall 2021).

LM Start	4.63	Rating **	M	Issue No.	38
LM End	4.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.203693 °	38.200593 °
				-121.556683 °	-121.557208 °
DWR ID	DWR_RD0556_02_s_2012_38				
Comment Code					
FE : Fence					
Inspector Comment					
Remove this old fence from the levee section landside.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_38\_20210830\_00022.jpg



View of old fence posts on landside slope (October 2018).

LM Start	4.64	Rating **	U	Issue No.	58
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.203480 °	38.203480 °
				-121.556824 °	-121.556824 °
DWR ID	DWR_RD0556_02_s_2018_58				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove fig tree from the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_58\_20210830\_00038.jpg



View of fig tree on landside slope (October 2018).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.65	Rating **	M	Issue No.	27
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.203425 °	38.203425 °
				-121.556845 °	-121.556845 °
DWR ID	DWR_RD0556_02_s_2017_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from waterside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_27\_20210830\_00013.jpg



View of fallen tree on the waterside slope (October 2018).

LM Start	4.68	Rating **	U	Issue No.	3
LM End	4.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202942 °	38.202431 °
				-121.556870 °	-121.556960 °
DWR ID	DWR_RD0556_02_f_2020_3				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Cut arundo back 20' from waterside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_3\_20210830\_00003.jpg



View of looking downstream at arundo on the waterside slope (Fall 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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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.73	Rating **	M	Issue No.	130
LM End	4.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.202301 °	38.202301 °
				-121.556952 °	-121.556952 °
DWR ID	20867				
Comment Code					
Inspector Comment					
DS_ID:20867 FS_ID:12547 EP_NO: 11199 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: - pump, gate valve and pumphouse not found on waterward slope.- an abandoned electric control panel found on WS.- may need to be properly abandoned. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Siphon and concrete spill box with two 8-inch openings. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the waterside [WS] slope, and a siphon breaker and a service pole on the landside [LS] slope authorized under Automatic Board Order (ABO) issued as Permit No. 11199, 1975 - Toshi Tokuyoshi, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 159+97), invert elevation 17.9 feet]. FS Date: 4/25/2013					

LM Start	<b>4.73</b>	Rating **	M	Issue No.	<b>130 (cont)</b>
LM End	<b>4.73</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_12547\_20320.jpg



LS- obstructed siphon breaker in CMP riser on levee slope.

Photo 2 of 3 : UCIP\_FA\_2021\_12547\_20319.jpg



LS- concrete distribution box near levee 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		<b>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.73	Rating **	M	Issue No.	130 (cont)	
LM End	4.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.202301 °	38.202301 °	
				-121.556952 °	-121.556952 °	
DWR ID	20867					

Photo 3 of 3 : UCIP\_FA\_2021\_12547\_20318.jpg



LS- power pole and a concrete distribution box near levee toe.

LM Start	4.75	Rating **	M	Issue No.	93
LM End	4.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201956 °	38.201535 °
				-121.557035 °	-121.557093 °
DWR ID	DWR_RD0556_02_f_2021_93				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	4.81	Rating **	U	Issue No.	94
LM End	4.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201122 °	38.200681 °
				-121.557142 °	-121.557241 °
DWR ID	DWR_RD0556_02_f_2021_94				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_94\_20211022\_00100.jpg



View looking upstream at vegetation on the waterside slope (Fall 2021).

<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>+ Issue Type</b> 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.82	Rating **	U	Issue No.	52
LM End	4.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201017 °	38.200136 °
				-121.557135 °	-121.557426 °
DWR ID	DWR_RD0556_02_s_2021_52				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Bamboo and trees of heaven should be removed.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_52\_20210830\_00032.jpg



View looking downstream at bamboo and trees of heaven on landside slope (Spring 2021).

LM Start	4.85	Rating **	U	Issue No.	66
LM End	4.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200543 °	38.200246 °
				-121.557286 °	-121.557380 °
DWR ID	DWR_RD0556_02_s_2021_66				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_66\_20210830\_00043.jpg



View looking upstream at willows on the waterside slope (Spring 2021).

LM Start	4.95	Rating **	M	Issue No.	103
LM End	4.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.199223 °	38.199223 °
				-121.557876 °	-121.557876 °
DWR ID	DWR_RD0556_02_f_2021_103				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	4.95	Rating **	U	Issue No.	95
LM End	4.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.199147 °	38.199147 °
				-121.557965 °	-121.557965 °
DWR ID	DWR_RD0556_02_f_2021_95				
Comment Code					
GA : Garbage					
Inspector Comment					
Remove garbage on the waterside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_95\_20211022\_00101.jpg



View of garbage on the waterside slope (Fall 2021).

LM Start	4.95	Rating **	M	Issue No.	131
LM End	4.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199133 °	38.199133 °
				-121.557939 °	-121.557939 °
DWR ID	20868				
Comment Code					
Inspector Comment					
DS_ID:20868 FS_ID:12564 EP_NO: 11191 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: - needs to fix CMP riser. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump on the waterside (WS) slope. Gate valve on the WS berm. Siphon breaker and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump on the WS slope, a gate valve on the WS berm, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11191, 1975 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log]. FS Date: 4/25/2013					

Photo 1 of 3 : UCIP\_FA\_2021\_12564\_20347.jpg



WS- pump house on levee slope.

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>4.95</b>	Rating **	M	Issue No.	<b>131 (cont)</b>
LM End	<b>4.95</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.199133 °	38.199133 °	
			-121.557939 °	-121.557939 °	
DWR ID	20868				

Photo 2 of 3 : UCIP\_FA\_2021\_12564\_20346.jpg



WS- pump, pipe and gate valve in pump house.

LM Start	<b>4.95</b>	Rating **	M	Issue No.	<b>131 (cont)</b>
LM End	<b>4.95</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2021\_12564\_20351.jpg



WS- closer look at pump, pipe and gate valve in pump house.

LM Start	4.99	Rating **	M	Issue No.	100
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.198630 °	38.197585 °
				-121.558197 °	-121.558812 °
DWR ID	DWR_RD0556_02_f_2021_100				
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	5.05	Rating **	M	Issue No.	101
LM End	5.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.197828 °	38.197828 °
				-121.558670 °	-121.558670 °
DWR ID	DWR_RD0556_02_f_2021_101				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.08	Rating **	U	Issue No.	37
LM End	5.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197407 °	38.196388 °
				-121.558950 °	-121.559558 °
DWR ID	DWR_RD0556_02_f_2017_37				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove large cactus partway down the landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_37\_20210830\_00021.jpg



View looking upstream at cactus partway down the landside slope (Fall 2020).

LM Start	5.21	Rating **	M	Issue No.	98
LM End	5.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.195840 °	38.191952 °
				-121.560001 °	-121.567334 °
DWR ID	DWR_RD0556_02_f_2021_98				
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 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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	5.21	Rating **	U	Issue No.	132	
LM End	5.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.195755 °	38.195755 °	
				-121.560078 °	-121.560078 °	
DWR ID	20869					
Comment Code						
Inspector Comment						
DS_ID:20869 FS_ID:52733 EP_NO: 11185 Repair Type: Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/12/2018 Pit on WS is covered with plywood. Water pump is running, no leaks detected. LS part of crossing was reconstructed. New pipe was installed after CMP riser to supply water to sand filters. Remains Urgent due to large pit on WS that needs to be backfilled. (O.Yakimov-DWR UCIP)04/25/2013 Large pit on levee berm. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker, concrete box, and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11185, 1975 - R. Walter Langhart). [Additional Reference(s): DWR Levee Log]. FS Date: 7/13/2018						

LM Start	<b>5.21</b>	Rating **	U	Issue No.	<b>132 (cont)</b>
LM End	<b>5.21</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2021\_52733\_20364.jpg



WS- pump house on levee slope

Photo 2 of 3 : UCIP\_FA\_2021\_52733\_20363.jpg



WS- pipe daylight from the levee.

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	<b>5.21</b>	Rating **	U	Issue No.	<b>132 (cont)</b>
LM End	<b>5.21</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195755 °	38.195755 °
				-121.560078 °	-121.560078 °
DWR ID	20869				

Photo 3 of 3 : UCIP\_FA\_2021\_52733\_20366.jpg



WS- electric conduit daylight near pump house.

LM Start	5.22	Rating **	M	Issue No.	4
LM End	5.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.195691 °	38.195691 °
				-121.560133 °	-121.560133 °
DWR ID	DWR_RD0556_02_s_2021_4				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.33	Rating **	M	Issue No.	96
LM End	5.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.194512 °	38.194512 °
				-121.561478 °	-121.561478 °
DWR ID	DWR_RD0556_02_f_2021_96				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	5.40	Rating **	M	Issue No.	99
LM End	5.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.193846 °	38.193846 °
				-121.562461 °	-121.562461 °
DWR ID	DWR_RD0556_02_f _ 2021_99				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	5.40	Rating **	U	Issue No.	31
LM End	5.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193760 °	38.193445 °
				-121.562458 °	-121.562895 °
DWR ID	DWR_RD0556_02_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Thin oleanders to allow view down landside slope.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_31\_20210830\_00016.jpg



View looking downstream of oleanders on the landside slope (Fall 2020).

LM Start	5.41	Rating **	M	Issue No.	97
LM End	5.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.193728 °	38.193728 °
				-121.562690 °	-121.562690 °
DWR ID	DWR_RD0556_02_f_2021_97				
Comment Code					
TR : Tree or limb					
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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	5.53	Rating **	C	Issue No.	74
LM End	5.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.192803 °	38.192803 °
				-121.564388 °	-121.564388 °
DWR ID	DWR_RD0556_02_f_2019_74				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	5.58	Rating **	A/W	Issue No.	80
LM End	5.72	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.192530 °	38.191865 °
				-121.565352 °	-121.567757 °
DWR ID	DWR_RD0556_02_f_2019_80				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
This is a DWR Revegetation Site.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_80\_20210830\_00052.jpg



View of environmental mitigation sign on the waterside slope. The sign is mostly obscured by vegetation (Fall 2019).

<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 2021**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	10/22/2021 10/22/2021	David Julian

LM Start	5.64	Rating **	U	Issue No.	79
LM End	5.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.192237 °	38.192237 °
				-121.566368 °	-121.566368 °
DWR ID	DWR_RD0556_02_f_2018_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
More than 2 cubic feet of soil was removed between the two large burrow holes.					

Photo 1 of 1 : FA\_2021\_RD0556\_19\_79\_20210830\_00051.jpg



View looking downstream at burrow holes 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	
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