

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

Brannan Andrus Levee Maintenance District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Brannan Andrus Levee Maintenance District

Waterway			Bank	Unit Miles
Unit No. 01 Georgiana Slough			Right	6.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/17/2021 - 3/17/2021			
DWR Inspector	David Julian			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0002_01_s_2012_27				
Comment Code					
Inspector Comment					
LMA is prepared to respond to a flood emergency.					

No Photos

LM Start		Rating **	A	Issue No.	32
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0002_01_s_2013_32				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manual on file at district office.					

No Photos

LM Start		Rating **	A	Issue No.	33
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0002_01_s_2013_33				
Comment Code					
Inspector Comment					
LMA maintains an adequate amount of flood fight supplies and equipment for flood response.					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	0.02	Rating **	M	Issue No.	122
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.186313 °	38.177824 °
				-121.563003 °	-121.580134 °
DWR ID	DWR_NA0002_01_s_2021_122				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.09	Rating **	M	Issue No.	14	
LM End	0.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.185994 °		38.185994 °
				-121.564101 °		-121.564101 °
DWR ID	21821					
Comment Code						
Inspector Comment						
FS_ID:62290 DS_ID:21821 EP_NO: 11229 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Recommend owner to restore top cover grate of concrete standpipe and CMP riser to eliminate fall hazard. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe through the levee, 4 feet below the crown. Siphon breaker in 10-inch high-density polyethylene riser unit on the landside (LS) shoulder. 1-inch air and vacuum valve. 36-inch diameter concrete distribution standpipe on the LS toe. (12-inch pipe [HLM 0.07] authorized under Automatic Board Order (ABO) issued as Permit No. 11229, 1975 - Paul and Gladys Bettencourt). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.07). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 316+00), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 8, Station 316+00, March 1950]. FS Date: 6/22/2020 9:51:25 AM						

Photo 1 of 3 : UCIP_SP_2021_62290_89869.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	0.09	Rating **	M	Issue No.	14 (cont)
LM End	0.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.185994 °	38.185994 °
				-121.564101 °	-121.564101 °
DWR ID	21821				

Photo 2 of 3 : UCIP_SP_2021_62290_89875.jpg



Water-Side: View of levee slope looking from crown

LM Start	0.09	Rating **	M	Issue No.	14 (cont)
LM End	0.09	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62290_89868.jpg



Water-Side: View of pipe at riverbank

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	0.09	Rating **	M	Issue No.	16
LM End	0.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.185948 °	38.185948 °
				-121.564249 °	-121.564249 °
DWR ID	21748				

Comment Code

Inspector Comment

FS_ID:62289
DS_ID:21748
EP_NO: 11229
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. A concrete standpipe on landside with HDPE pipe visible inside may not belong to this O&M crossing. This station "R" 315+56.9 located 43.1 feet downstream (SWW) of found crossing DSID 21821. Coordinates of this point were updated. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/16/2013 Unable to locate pump or pipe, but did find a 6-foot diameter concrete standpipe at the LS toe.
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Pipe open on the waterside (WS) end. Siphon breaker on the WS slope. Siphon breaker on the landside (LS) slope. 1-inch air and vacuum valve. 6-foot by 3-foot concrete standpipe. (8-inch pipe [HLM 0.07] authorized under Automatic Board Order (ABO) issued as Permit No. 11229, 1975 - Paul and Gladys Bettencourt). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.07). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 315+56.9), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 8, Station 315+56.9, March 1950].
FS Date: 6/22/2020 9:39:08 AM

LM Start	0.09	Rating **	M	Issue No.	16 (cont)
LM End	0.09	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62289_89863.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62289_89865.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	0.61	Rating **	M	Issue No.	17 (cont)
LM End	0.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182213 °	38.182213 °
				-121.572357 °	-121.572357 °
DWR ID	21752				

Photo 2 of 3 : UCIP_SP_2021_62295_89896.jpg



Land-Side: View of levee slope looking from crown

LM Start	0.61	Rating **	M	Issue No.	17 (cont)
LM End	0.61	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62295_89894.jpg



Water-Side: Pipe daylights on levee slope

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	0.75	Rating **	U	Issue No.	18
LM End	0.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182212 °	38.182212 °
				-121.574987 °	-121.574987 °
DWR ID	21753				

Comment Code

Inspector Comment

FS_ID:62296
DS_ID:21753
EP_NO: 11232
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 06/22/2020 Record updated from Non-Urgent to Urgent. Sinkhole in the center of crown measures 8-inch in diameter and 2-feet in depth. Damaged siphon breaker pipe on landside shoulder. Vegetation on waterside limits levee inspection at this crossing. Geophysical study indicates possible presence of pipe through levee. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/16/2013 Unable to locate any appurtenances other than distribution box. Need to verify proper abandonment.
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 3.2 feet below the crown. Siphon breaker on the landside (LS) slope. Concrete distribution box located LS of the toe. 2-inch primer valve. (12-inch pipe [HLM 0.75] authorized under Automatic Board Order (ABO) issued as Permit No. 11232, 1975 - Mario Campi). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.70). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 279+70), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 7, Station 279+70, March 1950].
FS Date: 6/22/2020 1:33:36 PM

LM Start	0.75	Rating **	U	Issue No.	18 (cont)
LM End	0.75	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62296_89897.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62296_89899.jpg



Top of Levee: View of sinkhole in the center of crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	0.75	Rating **	U	Issue No.	18 (cont)
LM End	0.75	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.182212 °	38.182212 °	
			-121.574987 °	-121.574987 °	
DWR ID	21753				

Photo 3 of 3 : UCIP_SP_2021_62296_89898.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.22	Rating **	M	Issue No.	19
LM End	1.22	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.177669 °	38.177669 °	
			-121.580222 °	-121.580222 °	
DWR ID	21754				

Comment Code

Inspector Comment

FS_ID:62297
DS_ID:21754
EP_NO: 11234
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/22/2020 Record remains Non-Urgent. Crossing appears abandoned. Pumphouse at riverbank in shrubs inaccessible, dense vegetation around concrete standpipe on landside makes slide gate inoperable. Overgrown vegetation limits inspection of levee on both sides at this crossing. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/16/2013 Appears abandoned and should be done so properly.
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 4.3 feet below the crown. Pump in pump house on the waterside (WS) berm. 60-inch diameter concrete standpipe on the landside (LS) toe. (8-inch pipe [HLM 1.22] authorized under Automatic Board Order (ABO) issued as Permit No. 11234, 1975 - Anthony and John Correia).
[Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 255+00), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 6, Station 255+00, March 1950].
FS Date: 6/22/2020 3:27:37 PM

Photo 1 of 3 : UCIP_SP_2021_62297_89905.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	1.22	Rating **	M	Issue No.	19 (cont)
LM End	1.22	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.177669 °	38.177669 °
				-121.580222 °	-121.580222 °
DWR ID	21754				

Photo 2 of 3 : UCIP_SP_2021_62297_89906.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.22	Rating **	M	Issue No.	19 (cont)
LM End	1.22	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62297_89907.jpg



Land-Side: Abandoned concrete standpipe with slide gate at levee toe

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	1.22	Rating **	M	Issue No.	21	
LM End	1.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.177648 °	38.177648 °	
				-121.580232 °	-121.580232 °	
DWR ID	21823					
Comment Code						
Inspector Comment						
FS_ID:62298 DS_ID:21823 EP_NO: 11234 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. Overgrown vegetation on both slopes limits inspection of levee at this crossing. No permit has been found authorizing this pipe through the levee. Need to have CVFPB review ABO and determine current owner. Site photo wasn't taken during this inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch pipe through levee, 4.3 feet below crown. Pump in pump house on waterward berm. Siphon breaker on landward slope. (12-inch pipe [HLM 1.22] authorized under Automatic Board Order (ABO) issued as Permit No. 11234, 1975 - Anthony and John Correia). FS Date: 6/22/2020 3:47:58 PM						

No Photos

LM Start	1.22	Rating **	U	Issue No.	56
LM End	2.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.177635 °	38.164597 °
				-121.580241 °	-121.583921 °
DWR ID	DWR_NA0002_01_s_ 2019_56				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch at the landside toe					

Photo 1 of 1 : SP_2021_NA0002_62_56_20210226_00020.jpg



View looking upstream at ditch at the landside toe (Fall 2020).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	1.36	Rating **	M	Issue No.	22	
LM End	1.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.175817 °		38.175817 °
				-121.581072 °		-121.581072 °
DWR ID	21820					
Comment Code						
Inspector Comment						
FS_ID:62299						
DS_ID:21820						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1.5-inch iron pipe of an unknown purpose, at an unknown depth. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 247+80), listed as 1-1/2-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 6, Station 247+80, March 1950, listed as 1-1/2-inch pipe].						
FS Date: 6/22/2020						

Photo 1 of 3 : UCIP_SP_2021_62299_89908.jpg



Top of Levee: View of levee crown looking downstream

LM Start	1.36	Rating **	M	Issue No.	22 (cont)
LM End	1.36	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62299_89909.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	1.36	Rating **	M	Issue No.	22 (cont)
LM End	1.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.175817 °	38.175817 °
				-121.581072 °	-121.581072 °
DWR ID	21820				

Photo 3 of 3 : UCIP_SP_2021_62299_89910.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.53	Rating **	M	Issue No.	39
LM End	1.54	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.173410 °	38.173178 °
				-121.580683 °	-121.580622 °
DWR ID	DWR NA0002 01 f 2018 39				

Comment Code

Inspector Comment

2017 Site ID: GEO 5.5 R
 Status: Eroding New
 2017 Field Notes: Failed rock section, slump failure of bank to subvertical face.
 Site History:

Photo 1 of 1 : SP_2021_NA0002_62_39_20210226_00014.jpg



Erosion slump in area of previous repair. LM 1.52

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	1.54	Rating **	M	Issue No.	24
LM End	1.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.173254 °	38.173254 °
				-121.580718 °	-121.580718 °
DWR ID	21755				

Comment Code

Inspector Comment

FS_ID:62300
DS_ID:21755
EP_NO: 11252
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/22/2020 Record remains Non-Urgent. Crossing appears abandoned. CMP riser on landside slope has been filled with soil. Power supply wires are disconnected from pump on waterside berm. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/16/2013 Pipe heavily rusted at distribution box. Good candidate for video inspection.
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 4.6 feet below the crown. Pump and valve on the waterside (WS) slope. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) shoulder. 7-foot by 10-foot concrete distribution box on the LS toe. (8-inch pipe [HLM 1.54] authorized under Automatic Board Order (ABO) issued as Permit No. 11252, 1975 - Hubert and Palmyra Vandermaele).
[Additional Reference(s): DWR Levee Log, 2005 (HLM 1.49).USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 237+13), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 6, Station 237+13, March 1950].
FS Date: 6/22/2020 4:24:18 PM

LM Start	1.54	Rating **	M	Issue No.	24 (cont)
LM End	1.54	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62300_89912.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62300_89913.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	1.54	Rating **	M	Issue No.	26 (cont)
LM End	1.54	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.173157 °	38.173157 °	
			-121.580694 °	-121.580694 °	
DWR ID	21756				

Photo 2 of 3 : UCIP_SP_2021_62301_89918.jpg



Land-Side: View of levee slope looking from crown

LM Start	1.54	Rating **	M	Issue No.	26 (cont)
LM End	1.54	Issue Type +	En	Location *	

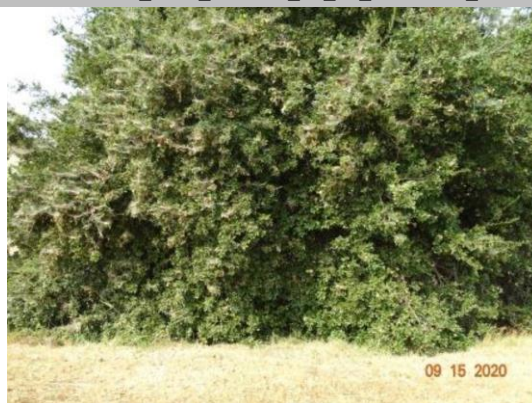
Photo 3 of 3 : UCIP_SP_2021_62301_89921.jpg



Land-Side: Siphon breaker / filler valve under a traffic cone on levee slope

LM Start	1.56	Rating **	U	Issue No.	25
LM End	1.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.172869 °	38.172869 °
				-121.580681 °	-121.580681 °
DWR ID	DWR_NA0002_01_s_2012_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree blocking landside toe.					

Photo 1 of 1 : SP_2021_NA0002_62_25_20210226_00010.jpg



View of thick tree 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	1.79	Rating **	U	Issue No.	74
LM End	1.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.169625 °	38.169625 °
				-121.581542 °	-121.581542 °
DWR ID	DWR_NA0002_01_f_2016_74				
Comment Code					
RA : Ramp					
Inspector Comment					
The Landowner has created a gravel-covered ramp up the land side of the levee. A permit Application should be submitted and the ramp should be brought up to Title 23 standards after approval.					

Photo 1 of 1 : SP_2021_NA0002_62_74_20210226_00031.jpg



View looking downslope at unauthorized ramp on the landside (Fall 2019).

LM Start	2.01	Rating **	M	Issue No.	123
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166858 °	38.166858 °
				-121.583268 °	-121.583268 °
DWR ID	DWR_NA0002_01_s_2021_123				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries at the landside toe.					

No Photos

LM Start	2.02	Rating **	M	Issue No.	124
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166671 °	38.163478 °
				-121.583332 °	-121.584393 °
DWR ID	DWR_NA0002_01_s_2021_124				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

** Rating
A : Acceptable 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.08	Rating **	M	Issue No.	125
LM End	2.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.165796 °	38.163496 °
				-121.583564 °	-121.584381 °
DWR ID	DWR_NA0002_01_s _ 2021_125				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation encroaching on to crown.					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.17	Rating **	M	Issue No.	29
LM End	2.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.164491 °	38.164491 °
				-121.583943 °	-121.583943 °
DWR ID	21758				

Comment Code

Inspector Comment

FS_ID:62304
DS_ID:21758
EP_NO: 11252
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/22/2020 Record remains Non-Urgent. Old pipe segment is visible inside of concrete box at landside toe. Siphon breaker is still located in CMP riser on landside levee slope. 12-inch PVC pipe is connected to pump at riverbank on one side and discharges to concrete distribution box at landside toe. Pipe is temporarily dismantled on levee crown. Unable to find a permit for modification. Unable to locate a permit to confirm original pipe removal from levee. 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)
04/06/2017 Landowner has installed a temporary pipe and removed old pipe. Photos and update courtesy of DWR Inspector, Richard Willoughby. 05/16/2013 Pipe rusted through at inlet to box. Good candidate for video inspection. (G. Wylie - DWR)
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 4.0 feet below the crown. Slant pump on bank. Switch box on berm, conduit through levee. Siphon breaker in 24-inch CMP riser on landward slope. Power pole and electrical panel at landward toe. 7'X10' concrete distribution box on LS toe. (12-inch pipe [HLM 2.17] authorized under Automatic Board Order (ABO) issued as Permit No. 11252, 1975 - Hubert & Palmyra Vandermaele). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.17). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 205+46), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 5, Station 205+46, March 1950].
FS Date: 6/22/2020 10:20:04 AM

Photo 1 of 3 : UCIP_SP_2021_62304_89930.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.17	Rating **	M	Issue No.	29 (cont)
LM End	2.17	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.164491 °	38.164491 °	
			-121.583943 °	-121.583943 °	
DWR ID	21758				

Photo 2 of 3 : UCIP_SP_2021_62304_89931.jpg



Land-Side: View of levee slope looking from crown. Dismantled PVC pipe on slope

LM Start	2.17	Rating **	M	Issue No.	29 (cont)
LM End	2.17	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62304_89932.jpg



Land-Side: CMP riser and siphon breaker on levee slope

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.28	Rating **	M	Issue No.	30	
LM End	2.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.163123 °	38.163123 °	
				-121.584576 °	-121.584576 °	
DWR ID	23128					
Comment Code						
Inspector Comment						
FS_ID:62305 DS_ID:23128 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 0.75-inch electrical conduit of an unknown material through the levee, at an unknown depth. Conduit provides power for irrigation pump at boating dock. FS Date: 6/22/2020 10:58:06 AM						

Photo 1 of 3 : UCIP_SP_2021_62305_89937.jpg



Top of Levee: View of levee crown looking downstream

LM Start	2.28	Rating **	M	Issue No.	30 (cont)
LM End	2.28	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62305_89939.jpg



Water-Side: Boating dock

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.28	Rating **	M	Issue No.	30 (cont)
LM End	2.28	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.163123 °	38.163123 °	
			-121.584576 °	-121.584576 °	
DWR ID	23128				

Photo 3 of 3 : UCIP_SP_2021_62305_89940.jpg



Water-Side: Irrigation pump at boating dock

LM Start	2.28	Rating **	M	Issue No.	31
LM End	2.28	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.163123 °	38.163123 °	
			-121.584576 °	-121.584576 °	
DWR ID	23129				

Comment Code

Inspector Comment

FS_ID:62306
DS_ID:23129
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 0.75-inch electrical conduit of an unknown material through the levee, at an unknown depth. Conduit provides power to lighting system at boating dock and waterside. Power switch located at walkway on landside shoulder.

FS Date: 6/22/2020 12:03:43 PM

Photo 1 of 3 : UCIP_SP_2021_62306_89941.jpg



Top of Levee: View of levee crown looking downstream. Power switch at walkway on landside 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.28	Rating **	M	Issue No.	31 (cont)
LM End	2.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.163123 °	38.163123 °
				-121.584576 °	-121.584576 °
DWR ID	23129				

Photo 2 of 3 : UCIP_SP_2021_62306_89942.jpg



Water-Side: Boating dock on waterside

LM Start	2.28	Rating **	M	Issue No.	31 (cont)
LM End	2.28	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62306_89943.jpg



Water-Side: View of levee slope looking from toe

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.28	Rating **	M	Issue No.	34	
LM End	2.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.163123 °		38.163123 °
				-121.584576 °		-121.584576 °
DWR ID	23130					
Comment Code						
Inspector Comment						
FS_ID:62307 DS_ID:23130 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1-inch water line of an unknown material through the levee, at an unknown depth. Pump on dock at the waterside (WS) toe. Provides irrigation water for sprinklers on waterside berm and landside slope. FS Date: 6/22/2020 12:14:06 PM						

Photo 1 of 3 : UCIP_SP_2021_62307_89944.jpg



Top of Levee: View of levee crown looking downstream

LM Start	2.28	Rating **	M	Issue No.	34 (cont)
LM End	2.28	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62307_89945.jpg



Land-Side: Pipe under walkway on landside

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.28	Rating **	M	Issue No.	34 (cont)
LM End	2.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.163123 °	38.163123 °
				-121.584576 °	-121.584576 °
DWR ID	23130				

Photo 3 of 3 : UCIP_SP_2021_62307_89946.jpg



Water-Side: Boating dock on waterside. Pipe is entering ground

LM Start	2.29	Rating **	U	Issue No.	36
LM End	2.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.162918 °	38.162322 °
				-121.584721 °	-121.585081 °
DWR ID	DWR_NA0002_01_s_2012_36				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Vegetation is starting to impede patrol road.					

Photo 1 of 1 : SP_2021_NA0002_62_36_20210226_00013.jpg



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

LM Start	2.30	Rating **	U	Issue No.	58
LM End	2.30	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.162806 °	38.162806 °
				-121.584768 °	-121.584768 °
DWR ID	DWR_NA0002_01_s_2018_58				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove oleanders.					

Photo 1 of 1 : SP_2021_NA0002_62_58_20210226_00022.jpg



View looking downstream at thick oleanders on the waterside slope (Fall 2019).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.30	Rating **	M	Issue No.	3
LM End	2.32	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.162773 °	38.162544 °
				-121.584767 °	-121.584909 °
DWR ID	DWR_NA0002_01_s_2012_3				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood on the waterside shoulder					

Photo 1 of 1 : SP_2021_NA0002_62_3_20210226_00002.jpg



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

LM Start	2.32	Rating **	M	Issue No.	37
LM End	2.32	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.162487 °	38.162487 °
				-121.584939 °	-121.584939 °
DWR ID	21759				
Comment Code					
Inspector Comment					
FS_ID:62308 DS_ID:21759 EP_NO: 11242 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Pump and pressure tank in pumphouse work for irrigation system on waterside. 4-inch pipe through levee not found on levee slopes. 1.5-inch PVC pipe is sleeved through a segment of 4-inch brass pipe between riverbank and pumphouse. Crossing appears abandoned. CMP riser on landside slope is filled with soil. 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: 4-inch pipe through the levee 3.3 feet below the crown. Pump on berm in pump house. Siphon breaker in 24-inch CMP riser on LS slope. (4-inch pipe [HLM 2.32] authorized under Automatic Board Order (ABO) issued as Permit No. 11242, 1975 - Manuel & Lillian V. Maciel). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.32)]. FS Date: 6/22/2020 12:34:55 PM					

Photo 1 of 3 : UCIP_SP_2021_62308_89949.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.32	Rating **	M	Issue No.	37 (cont)
LM End	2.32	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.162487 °	38.162487 °	
			-121.584939 °	-121.584939 °	
DWR ID	21759				

Photo 2 of 3 : UCIP_SP_2021_62308_89950.jpg



Land-Side: View of levee slope looking from crown. CMP riser on levee slope

LM Start	2.32	Rating **	M	Issue No.	37 (cont)
LM End	2.32	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62308_89951.jpg



Water-Side: View of levee crown looking from crown

LM Start	2.33	Rating **	M	Issue No.	50
LM End	2.33	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.162343 °	38.162343 °
				-121.585020 °	-121.585020 °
DWR ID	DWR_NA0002_01_f_2014_50				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Landowner installed sprinklers along waterside slope without permit.					

Photo 1 of 1 : SP_2021_NA0002_62_50_20210226_00017.jpg



View looking downstream at sprinkler emitter that is part of a larger sprinkler system on the waterside slope (Fall 2019).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.34	Rating **	M	Issue No.	38
LM End	2.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.162332 °	38.162332 °
				-121.585032 °	-121.585032 °
DWR ID	21819				
Comment Code					
Inspector Comment					
FS_ID:62309 DS_ID:21819 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/22/2020 Record remains Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) 05/16/2013 Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch steel irrigation pipe through the levee, 3 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 196+99), listed as 2-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 5, Station 196+99, March 1950]. FS Date: 6/22/2020 1:32:09 PM					

LM Start	2.34	Rating **	M	Issue No.	38 (cont)
LM End	2.34	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62309_89956.jpg



Water-Side: View of riverbank at the crossing

Photo 2 of 3 : UCIP_SP_2021_62309_89957.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.34	Rating **	M	Issue No.	38 (cont)
LM End	2.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.162332 °	38.162332 °
				-121.585032 °	-121.585032 °
DWR ID	21819				

Photo 3 of 3 : UCIP_SP_2021_62309_89958.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.34	Rating **	M	Issue No.	72
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.162242 °	38.162242 °
				-121.585058 °	-121.585058 °
DWR ID	DWR_NA0002_01_f_2016_72				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.36	Rating **	M	Issue No.	7
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.162004 °	38.162004 °
				-121.585229 °	-121.585229 °
DWR ID	DWR_NA0002_01_s_2012_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent colony exists under raised Tyler Island Bridge approach. Rodents should be exterminated and their holes backfilled.					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.41	Rating **	U	Issue No.	28
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.161301 °	38.160281 °
				-121.585560 °	-121.586007 °
DWR ID	DWR_NA0002_01_s_2013_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation and wild roses on landside slope and toe.					

Photo 1 of 1 : SP_2021_NA0002_62_28_20210226_00011.jpg



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

LM Start	2.49	Rating **	M	Issue No.	6
LM End	3.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.160213 °	38.156368 °
				-121.586047 °	-121.592552 °
DWR ID	DWR_NA0002_01_s_2021_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**** Rating**
A : Acceptable 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.50	Rating **	M	Issue No.	40
LM End	2.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.160147 °	38.160147 °
				-121.586088 °	-121.586088 °
DWR ID	21762				

Comment Code

Inspector Comment

FS_ID:62311
DS_ID:21762
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/23/2020 Record remains Non-Urgent. Crossing appears abandoned. Abandoned pump on waterside berm. Overgrown vegetation on landside limits inspection of levee at this crossing. Unable to see a concrete standpipe on landside. (O.Yakimov - DWR UCIP)
05/16/2013 Pipe appears abandoned and should be done so properly. standpipe on LS is covered in brush.
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.4 feet below the crown. 6-inch pump on the waterside (WS). 36-inch concrete standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.44). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 188+39), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 4, Station 188+39, March 1950].
FS Date: 6/23/2020 2:00:10 PM

LM Start	2.50	Rating **	M	Issue No.	40 (cont)
LM End	2.50	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62311_89963.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62311_89965.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.55	Rating **	M	Issue No.	41 (cont)	
LM End	2.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.159358 °	38.159358 °	
				-121.586440 °	-121.586440 °	
DWR ID	21763					

Photo 2 of 3 : UCIP_SP_2021_62313_89975.jpg



Land-Side: View of levee slope looking from crown. Gas line marker on levee slope

LM Start	2.55	Rating **	M	Issue No.	41 (cont)
LM End	2.55	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62313_89974.jpg



Water-Side: View of levee slope looking from crown. Gas line marker and warning sign on shoulder

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.56	Rating **	M	Issue No.	42	
LM End	2.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.159345 °	38.159345 °	
				-121.586448 °	-121.586448 °	
DWR ID	21824					
Comment Code						
Inspector Comment						
FS_ID:62314						
DS_ID:21824						
EP_NO: 841						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 8-inch steel gas pipeline through the levee, 3 feet below the crown. Paddle markers located on both the waterside (WS) and the landside (LS) shoulders. Large sign is also present on the WS slope. (8-inch gas line authorized under Permit No. 841, 1940 - Pacific Gas and Electric). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.51). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 184+80), listed as 10-inch pipe and two 8-inch pressure gas lines. USACE As-Built Drawing No. 50-04-2631, Sheet 4, Station 184+80, March 1950].						
FS Date: 6/23/2020 4:14:29 PM						

LM Start	2.56	Rating **	M	Issue No.	42 (cont)
LM End	2.56	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62314_89979.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62314_89981.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.56	Rating **	M	Issue No.	42 (cont)
LM End	2.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.159345 °	38.159345 °
				-121.586448 °	-121.586448 °
DWR ID	21824				

Photo 3 of 3 : UCIP_SP_2021_62314_89980.jpg



Water-Side: View of levee slope looking from crown

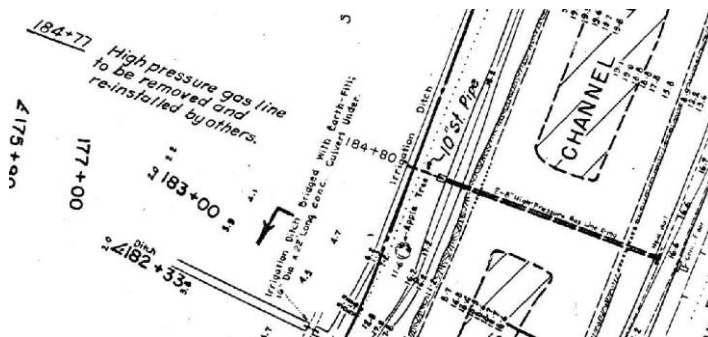
LM Start	2.56	Rating **	M	Issue No.	43
LM End	2.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.159360 °	38.159360 °
				-121.586486 °	-121.586486 °
DWR ID	21818				

Comment Code

Inspector Comment

FS_ID:62315
DS_ID:21818
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Updated coordinates and description of the crossing. Pipeline is semi-through the levee. No inspection records were available to determine status of gas pipeline. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 10-inch steel gas pipeline semi-through the levee. Two 8-inch gas lines DSID 21763 and 21824 merge into 10-inch gas line at landside levee shoulder. (Two 8-inch gas lines authorized under Permit No. 841, 1940 - Pacific Gas and Electric). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.51). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 184+80), listed as 10-inch pipe and two 8-inch pressure gas lines. USACE As-Built Drawing No. 50-04-2631, Sheet 4, Station 184+80, March 1950].
FS Date: 6/23/2020 4:15:31 PM

Photo 1 of 3 : UCIP_SP_2021_62315_89983.jpg



Screenshot from As-Built Dwg. 50-04-2631 that shows 10-inch pipe continued from LS slope

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.56	Rating **	M	Issue No.	43 (cont)
LM End	2.56	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.159360 °	38.159360 °	
			-121.586486 °	-121.586486 °	
DWR ID	21818				

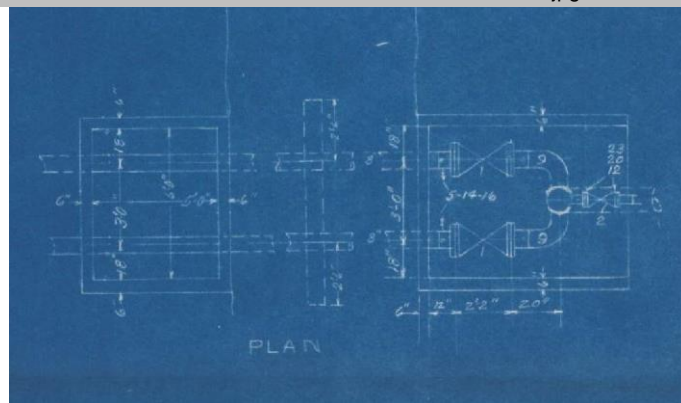
Photo 2 of 3 : UCIP_SP_2021_62315_89984.jpg



Screenshot from Profile Sheet of permit No. 841

LM Start	2.56	Rating **	M	Issue No.	43 (cont)
LM End	2.56	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62315_89985.jpg



Screenshot from Plan Sheet A of permit No. 841

LM Start	2.58	Rating **	M	Issue No.	52
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.158999 °	38.158999 °
				-121.586621 °	-121.586621 °
DWR ID	DWR_NA0002_01_f _ 2017_29				
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 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.60	Rating **	M	Issue No.	44
LM End	2.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.158684 °	38.158684 °
				-121.586787 °	-121.586787 °
DWR ID	DWR_NA0002_01_f_2017_44				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Pothole in crown at pipe crossing					

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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.60	Rating **	M	Issue No.	45
LM End	2.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.158683 °	38.158683 °
				-121.586784 °	-121.586784 °
DWR ID	21765				

Comment Code

Inspector Comment

FS_ID:62316
DS_ID:21765
EP_NO: 11238
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/23/2020 Record updated from Urgent to Non-Urgent. Visible cut in levee crown is due to emergency replacement of pipe section through levee crown in 2009. Erosion at riverbank within 10 feet from waterside levee toe is still present, but didn't grow in size. Dense vegetation on waterside limits inspection of levee at the crossing. 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)
07/12/2018 Dense vegetation on both levee slopes. Unable to evaluate erosion on WS. Depression along pipe alignment on levee crown. Recommend internal inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)10/24/2016 Unable to access WS due to heavy vegetation--assume WS remains the same or erosion has progressed but not visible from levee crown. Pipe marker found on LS slope next to 12-inch irrigation pipe indicating high pressure non-odorized natural gas pipeline however, unable to confirm if line is present or if it is parallel to levee or if it goes through levee. (O. Magana - DWR UCIP)05/16/2013 Erosion along pipe at WS toe goes into levee prism. Animal activity appears to be the cause of some pretty heavy erosion damage. Some settlement along the pipe alignment on crown may indicate other problems with this pipe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 12-inch irrigation steel pipe through levee 4 feet below crown. Siphon breaker is located on landside (LS) shoulder. A 7-foot by 9-foot concrete distribution box is located on LS toe. (12-inch pipe [HLM 2.60] authorized under Automatic Board Order (ABO) issued as Permit No. 11238, 1975 - Gardiner Improvement Company). (Emergency replacement of 12-inch deteriorated section of pipe through levee crown was authorized under Permit 18549, 2010 - Stockton JACS LLC, and completed 07/17/2009). Pipe section was replaced with in-kind sized pipe raised within levee crown while maintaining minimum of 2-feet cover. [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.55). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 182+63), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 4, Station 182+63, March 1950].
FS Date: 6/23/2020 10:57:12 AM

Photo 1 of 3 : UCIP_SP_2021_62316_89986.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	2.60	Rating **	M	Issue No.	45 (cont)
LM End	2.60	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.158683 °	38.158683 °	
			-121.586784 °	-121.586784 °	
DWR ID	21765				

Photo 2 of 3 : UCIP_SP_2021_62316_89987.jpg



Land-Side: View of levee slope looking from crown

LM Start	2.60	Rating **	M	Issue No.	45 (cont)
LM End	2.60	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62316_89990.jpg



Land-Side: View of levee slope looking from toe

LM Start	2.62	Rating **	M	Issue No.	126
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.158492 °	38.156368 °
				-121.586877 °	-121.592552 °
DWR ID	DWR_NA0002_01_s_2021_126				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.01	Rating **	M	Issue No.	49 (cont)
LM End	3.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.156330 °	38.156330 °
				-121.592568 °	-121.592568 °
DWR ID	21766				

Photo 2 of 3 : UCIP_SP_2021_62317_89997.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.01	Rating **	M	Issue No.	49 (cont)
LM End	3.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62317_89995.jpg



Water-Side: Siphon breaker on levee shoulder. Needs to be protected by a riser

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.11	Rating **	M	Issue No.	63
LM End	3.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.154885 °	38.154885 °
				-121.592816 °	-121.592816 °
DWR ID	21767				

Comment Code

Inspector Comment

FS_ID:62318
DS_ID:21767
EP_NO: 11238
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Broken air release valve on landside shoulder. Concrete pad was constructed on landside of 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: 8-inch steel irrigation pipe through the levee, 3 feet below the crown. Siphon breaker on the landside (LS) shoulder. 5-foot diameter standpipe located LS of the toe. Butterfly valve in concrete riser unit on the LS toe. (8-inch pipe [HLM 3.11] authorized under Automatic Board Order (ABO) issued as Permit No. 11238, 1975 - Gardiner Improvement Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.08). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 155+97), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 4, Station 155+97, March 1950].
FS Date: 6/23/2020 2:15:36 PM

LM Start	3.11	Rating **	M	Issue No.	63 (cont)
LM End	3.11	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62318_90001.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62318_90002.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.11	Rating **	M	Issue No.	63 (cont)
LM End	3.11	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.154885 °	38.154885 °	
			-121.592816 °	-121.592816 °	
DWR ID	21767				

Photo 3 of 3 : UCIP_SP_2021_62318_89999.jpg



Land-Side: View of levee slope looking from crown. Standpipe at levee toe, concrete pad

LM Start	3.18	Rating **	M	Issue No.	2
LM End	3.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.153977 °	38.152151 °
				-121.592589 °	-121.591529 °
DWR ID	DWR_NA0002_01_s_2021_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.33	Rating **	U	Issue No.	127
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.151946 °	38.151759 °
				-121.591551 °	-121.591641 °
DWR ID	DWR_NA0002_01_s_2021_127				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_62_127_20210317_00237.jpg



View of thick wild roses on the landside slope (Spring 2021).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.34	Rating **	M	Issue No.	64	
LM End	3.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.151861 °		38.151861 °
				-121.591579 °		-121.591579 °
DWR ID	25484					
Comment Code						
Inspector Comment						
FS_ID:62322 DS_ID:25484 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 06/23/2020 Record is Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel water pipe of an unknown depth below the crown. Shut-off valve on landside (LS) shoulder. Installation of pipe was field discovered by DWR inspector Richard Willoughby. Construction notice sign shows Kimberly Korth of Ox Bow Marina Mutual Water Company 209-969-7452. FS Date: 6/23/2020 3:30:29 PM						

LM Start	3.34	Rating **	M	Issue No.	64 (cont)
LM End	3.34	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62322_90012.jpg



Top of Levee: View of levee crown looking towards waterside. Cut in road pavement

Photo 2 of 3 : UCIP_SP_2021_62322_90013.jpg



Land-Side: Service box on levee 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.35	Rating **	M	Issue No.	65 (cont)	
LM End	3.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.151691 °	38.151691 °	
				-121.591693 °	-121.591693 °	
DWR ID	21770					

Photo 2 of 3 : UCIP_SP_2021_62323_90016.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.35	Rating **	M	Issue No.	65 (cont)
LM End	3.35	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62323_90018.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.37	Rating **	U	Issue No.	5
LM End	3.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.151492 °	38.151492 °
				-121.591942 °	-121.591942 °
DWR ID	DWR_NA0002_01_f_2013_5				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus from waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_62_5_20210226_00003.jpg



View of cactus on the waterside slope (Fall 2019).

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.38	Rating **	A/W	Issue No.	67
LM End	3.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.151430 °	38.151390 °
				-121.592085 °	-121.592517 °
DWR ID	DWR_NA0002_01_s_2017_67				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Appears to be beginning of a landslide slump. LMA's Engineer (DCC) is monitoring site for movement.					

Photo 1 of 1 : SP_2021_NA0002_62_67_20210226_00029.jpg



Looking east at possible sloughing on landward shoulder.

LM Start	3.43	Rating **	U	Issue No.	59
LM End	3.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.151448 °	38.145753 °
				-121.592898 °	-121.601660 °
DWR ID	DWR_NA0002_01_f _ 2018_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_62_59_20210226_00023.jpg



View looking downstream at vegetation on the water side slope (October 2018).

LM Start	3.48	Rating **	M	Issue No.	128
LM End	3.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.151694 °	38.148710 °
				-121.593942 °	-121.599753 °
DWR ID	DWR_NA0002_01_s_2021_128				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.60	Rating **	M	Issue No.	68	
LM End	3.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.151813 °	38.151813 °	
				-121.596007 °	-121.596007 °	
DWR ID	21771					
Comment Code						
Inspector Comment						
FS_ID:62325 DS_ID:21771 EP_NO: 11238 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. HDPE riser on landside shoulder needs a permanent cover for avoid fall hazard. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Siphon breaker in 16-inch high-density polyethylene riser unit on the landside (LS) shoulder. 36-inch diameter concrete standpipe located LS of toe. (8-inch pipe [HLM 3.60] authorized under Automatic Board Order (ABO) issued as Permit No. 11238, 1975 - Gardiner Improvement Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.58). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 127+98), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 127+98, March 1950]. FS Date: 6/23/2020 4:38:39 PM						

Photo 1 of 3 : UCIP_SP_2021_62325_90029.jpg



Top of Levee: View of levee crown looking upstream

LM Start	3.60	Rating **	M	Issue No.	68 (cont)
LM End	3.60	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62325_90028.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.92	Rating **	M	Issue No.	47
LM End	3.94	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.148528 °	38.148284 °
				-121.599895 °	-121.600056 °
DWR ID	DWR_NA0002_01_f_2017_47				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	3.93	Rating **	U	Issue No.	11
LM End	3.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.148318 °	38.147923 °
				-121.599947 °	-121.600245 °
DWR ID	DWR_NA0002_01_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_62_11_20210226_00006.jpg



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

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.99	Rating **	M	Issue No.	69	
LM End	3.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.147692 °	38.147692 °	
				-121.600469 °	-121.600469 °	
DWR ID	21817					
Comment Code						
Inspector Comment						
FS_ID:62326 DS_ID:21817 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Steel pipe with hose bib visible on waterside berm. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 0.75-inch iron water line, 11.6 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 108+35), listed as 3/4-inch water line. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 108+35, March 1950, listed as 3/4-inch water line]. FS Date: 6/23/2020 8:23:36 AM						

Photo 1 of 3 : UCIP_SP_2021_62326_90603.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.99	Rating **	M	Issue No.	69 (cont)
LM End	3.99	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62326_90604.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.99	Rating **	M	Issue No.	69 (cont)
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.147692 °	38.147692 °	
			-121.600469 °	-121.600469 °	
DWR ID	21817				

Photo 3 of 3 : UCIP_SP_2021_62326_90605.jpg



Top of Levee: View of levee crown looking upstream

LM Start	3.99	Rating **	M	Issue No.	71
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.147675 °	38.147675 °	
			-121.600479 °	-121.600479 °	
DWR ID	21826				

Comment Code

Inspector Comment

FS_ID:62328
 DS_ID:21826
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Not Found
 UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)
 FIELD_STRUCT_DESC: 1.5-inch electrical conduit through the levee, 3 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 107+76), listed as 1-1/2-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 107+76, March 1950].
 FS Date: 6/23/2020 9:47:52 AM

Photo 1 of 3 : UCIP_SP_2021_62328_90609.jpg



Top of Levee: View of levee crown looking towards waterside

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.99	Rating **	M	Issue No.	71 (cont)
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.147675 °	38.147675 °
				-121.600479 °	-121.600479 °
DWR ID	21826				

Photo 2 of 3 : UCIP_SP_2021_62328_90610.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.99	Rating **	M	Issue No.	71 (cont)
LM End	3.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62328_90607.jpg



Land-Side: Pumping plant at landside toe

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.99	Rating **	M	Issue No.	75
LM End	3.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.147677 °	38.147677 °
				-121.600501 °	-121.600501 °
DWR ID	21772				

Comment Code

Inspector Comment

FS_ID:62327
DS_ID:21772
EP_NO: 11248
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. 20-inch steel drainage pipe sleeved through 24-inch steel pipe. Annular space between pipes seems to be grouted. Unable to find a permit for modification. Asphalt repair patches on levee crown. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 20-inch steel drainage pipe sleeved through 24-inch steel pipe through the levee, 3 feet below the crown. Siphon breaker is located on the waterside (WS) slope. Pump is located on the landside (LS). (24-inch pipe [HLM 3.99] authorized under Automatic Board Order (ABO) issued as Permit No. 11248, 1975 - Reclamation District No.407). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.99), listed as 24-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 107+76), listed as 26-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 107+76, March 1950, listed as 26-inch pipe].
FS Date: 6/23/2020 9:27:29 AM

LM Start	3.99	Rating **	M	Issue No.	75 (cont)
LM End	3.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2021_62327_90037.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62327_90036.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.99	Rating **	M	Issue No.	79 (cont)
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.147653 °	38.147653 °
				-121.600491 °	-121.600491 °
DWR ID	21825				

Photo 2 of 3 : UCIP_SP_2021_62329_90045.jpg



Water-Side: View of levee slope looking from crown

LM Start	3.99	Rating **	M	Issue No.	79 (cont)
LM End	3.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62329_90041.jpg



Water-Side: Pipe daylights on waterside slope

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.99	Rating **	U	Issue No.	80
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.147657 °	38.147657 °
				-121.600521 °	-121.600521 °
DWR ID	21773				
Comment Code					
Inspector Comment					
FS_ID:62330 DS_ID:21773 EP_NO: 5534 Repair Type: Urgent Crossing Status: Found UCIP Comments: 06/23/2020 Record remains Urgent. Erosion site on landside shoulder has been repaired, but pipe integrity may still be compromised. Asphalt repair patches in levee crown pavement along pipe alignment. Recommend owner to perform pipe integrity test. Overgrown vegetation on landside slope limits inspection of levee at this crossing. (O.Yakimov - DWR UCIP) 07/12/2018 Levee crown on LS shoulder was repaved with asphalt. Dense vegetation limits visibility on LS levee slope and ability to evaluate erosion on LS. Crossing remains "Urgent". (O.Yakimov-DWR)10/24/2016 Internal erosion visible on LS where pipe daylights. LS road shoulder appears to be failing. Large sink hole patched and is visible on road/crown. Evidence of burrow activity that appear to be about 6-inches in diameter with depths greater than 3 feet. Burrow holes are located on LS hinge point just upstream of pipe and 3 holes visible on WS. Need to contact owner to address issue and recommend to stop use of crossing to avoid further damage to levee. (O. Magana - DWR UCIP)05/16/2013 Pot holes over pipe may indicate internal failure. Good candidate for video inspection. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 22-inch steel drainage pipe through the levee, 3 feet below the crown. Siphon breaker located on the waterside (WS) shoulder. Pump located on the landside (LS). This crossing replaces 24-inch pipe (see DSID 25663). (24-inch pipe authorized under Permit No. 5534, 1966 - Reclamation District No.407). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.99), listed as 24-inch pipe]. FS Date: 6/23/2020 10:47:15 AM					

Photo 1 of 3 : UCIP_SP_2021_62330_90046.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	3.99	Rating **	U	Issue No.	80 (cont)
LM End	3.99	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.147657 °	38.147657 °	
			-121.600521 °	-121.600521 °	
DWR ID	21773				

Photo 2 of 3 : UCIP_SP_2021_62330_90047.jpg



Land-Side: View of levee slope looking from crown

LM Start	3.99	Rating **	U	Issue No.	80 (cont)
LM End	3.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62330_90048.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.01	Rating **	M	Issue No.	83	
LM End	4.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.147459 °	38.147459 °	
				-121.600681 °	-121.600681 °	
DWR ID	21774					
Comment Code						
Inspector Comment						
FS_ID:62331 DS_ID:21774 EP_NO: 11238 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/23/2020 Record remains Non-Urgent. Scour hole around air release pipe on waterside shoulder has been repaired, pipe is capped. Flanged coupler installed on pipe on landside levee shoulder and a new pipe put on landside levee slope to pumping plant bypassing concrete standpipe. Concrete standpipe with slide gate is abandoned. Diesel pump and media filtering facility installed on landside off levee toe. Unable to find a permit for modification. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 10/24/2016 Unable to determine if WS primer pipe is leaking or if settling is occurring at pipe. Need to contact owner to determine when upgrades to WS were completed. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 10-inch irrigation steel pipe through levee, 4 feet below crown. Siphon breaker is located on the landside (LS). 1.5-inch primer, 48-inch concrete standpipe on LS toe with slide gate. (12-inch pipe [HLM 4.01] authorized under Automatic Board Order (ABO) issued as Permit No. 11238, 1975 - Gardiner Improvement Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.00), listed as 12-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 106+79), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 106+79, March 1950, listed as 12-inch pipe]. FS Date: 6/23/2020 11:49:07 AM						

Photo 1 of 3 : UCIP_SP_2021_62331_90056.jpg



Top of Levee: View of levee crown looking upstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.01	Rating **	M	Issue No.	83 (cont)
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.147459 °	38.147459 °	
			-121.600681 °	-121.600681 °	
DWR ID	21774				

Photo 2 of 3 : UCIP_SP_2021_62331_90052.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.01	Rating **	M	Issue No.	83 (cont)
LM End	4.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62331_90057.jpg



Land-Side: Air vent/primer line on levee shoulder

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.04	Rating **	U	Issue No.	84
LM End	4.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.146985 °	38.146985 °
				-121.601019 °	-121.601019 °
DWR ID	21775				

Comment Code

Inspector Comment

FS_ID:62333
DS_ID:21775
EP_NO: 11238
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 06/23/2020 Record remains Urgent. Levee slope subsidence in pipe alignment on landside is more than 2-feet-deep. Sinkhole on waterside shoulder at public road pavement keeps growing and measures 3' x 2' x 0.75' deep. Missing cover on the top of vault at landside toe creates fall hazard. 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 on LS shoulder under concrete blocks is still present, although haven't increased in size. Part of cover on concrete sump is still missing which is public safety issue. Crossing remain "Urgent" because of potential pipe failure signs. Recommend internal inspection to determine condition of pipe through levee. (DWR-O.Yakimov)
12/30/2016 Left message with Ms. Cabral to inform her that we are working with LMA to find additional information about crossing. Spoke with Andy Giannini, LMA representative, regarding the UCIP report and Mr. Giannini believes the hole is due to ground squirrel activity. According to Mr. Giannini, the issue with ground squirrel has been resolved and the hole filled. Records indicate pipe was installed in the 1950s and authorized under Permit No. 11238 in 1975. This pipe could be about 62 years old. Crossing remains Urgent due to the uncertainty of pipe integrity through levee. Recommend having owner complete an internal inspection of the pipe through the levee to determine integrity of pipe. (O. Magana - DWR UCIP)12/28/2016 Contacted Andy Giannini, LMA representative, and provided him with UCIP report to review. (O. Magana - DWR UCIP)12/27/2016 Contacted Rebecca Cabral, property sales agent from Century 21 Farm & Ranch M&M and Associates, at 1-707-374-3900 to inquire about the property owner for this area. Mrs. Cabral was unaware of pipe through levee and has requested photos to share with client. She was not able to provide me with the current property owner information but mentioned that she will contact me next week (week ending Jan 6, 2017). (O. Magana - DWR UCIP)10/24/2016 Section of cover is still missing. Potential pipe failure through levee. Sink hole is present on LS shoulder. Need to contact owner to stop use of pipe to avoid further damage to levee. Recommend internal inspection of pipe to determine integrity of pipe wall. (O. Magana - DWR UCIP)05/08/2013 Missing cover on concrete sump is an immediate hazard and should be repaired. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. 5-foot by 5-foot concrete spill box located on the landside (LS) slope. (8-inch pipe [HLM 4.04] authorized under Automatic Board Order (ABO) issued as Permit No. 11238, 1975 -

Photo 1 of 3 : UCIP_SP_2021_62333_90065.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

Gardiner Improvement Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.04). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 105+02), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 105+02, March 1950].
FS Date: 6/23/2020 3:32:06 PM

LM Start	4.04	Rating **	U	Issue No.	84 (cont)
LM End	4.04	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62333_90066.jpg



Water-Side: View of pipe at riverbank

LM Start	4.04	Rating **	U	Issue No.	84 (cont)
LM End	4.04	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62333_90064.jpg



Water-Side: Sinkhole on levee shoulder at the edge of road pavement

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.11	Rating **	M	Issue No.	86
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.146188 °	38.146188 °
				-121.601517 °	-121.601517 °
DWR ID	21777				

Comment Code

Inspector Comment

FS_ID:62334
DS_ID:21777
EP_NO: 11236
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. Abandoned piles on waterside may indicate location of former pumping structure at riverbank. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3 feet below the crown. Siphon breaker on the landside (LS). 0.75-inch primer valve, 15-foot by 3-foot concrete standpipe. (8-inch pipe [HLM 4.10] authorized under Automatic Board Order (ABO) issued as Permit No. 11236, 1975 - Edward Robert Freitas). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.10). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 101+79.1), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 6, Station 101+79.1, 25 January 1951].
FS Date: 6/26/2020 4:02:04 PM

LM Start	4.11	Rating **	M	Issue No.	86 (cont)
LM End	4.11	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62334_90069.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP_SP_2021_62334_90068.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.11	Rating **	M	Issue No.	86 (cont)
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.146188 °	38.146188 °
				-121.601517 °	-121.601517 °
DWR ID	21777				

Photo 3 of 3 : UCIP_SP_2021_62334_90067.jpg



Water-Side: View of levee slope looking from crown. Piles at riverbank

LM Start	4.11	Rating **	M	Issue No.	4
LM End	4.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.146153 °	38.145668 °
				-121.601541 °	-121.601661 °
DWR ID	DWR_NA0002_01_f _ 2020_4				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Willows on the waterside slope.					

No Photos

LM Start	4.19	Rating **	M	Issue No.	8
LM End	4.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.145004 °	38.144313 °
				-121.601584 °	-121.601300 °
DWR ID	DWR_NA0002_01_s_2021_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.19	Rating **	M	Issue No.	87	
LM End	4.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.144978 °	38.144978 °	
				-121.601539 °	-121.601539 °	
DWR ID	23127					
Comment Code						
Inspector Comment						
FS_ID:62335 DS_ID:23127 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/26/2020 Record remains No Action Needed. No issues observed during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1-inch electrical conduit of an unknown material through the levee, at an unknown depth. 18-inch plastic riser unit on the waterside (WS) slope. FS Date: 6/26/2020 11:12:42 AM						

Photo 1 of 3 : UCIP_SP_2021_62335_90074.jpg



Top of Levee: View of levee crown looking downstream

LM Start	4.19	Rating **	M	Issue No.	87 (cont)
LM End	4.19	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62335_90073.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.19	Rating **	M	Issue No.	87 (cont)
LM End	4.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.144978 °	38.144978 °
				-121.601539 °	-121.601539 °
DWR ID	23127				

Photo 3 of 3 : UCIP_SP_2021_62335_90072.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.21	Rating **	M	Issue No.	88
LM End	4.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.144751 °	38.144751 °
				-121.601484 °	-121.601484 °
DWR ID	21778				

Comment Code

Inspector Comment

FS_ID:62337
DS_ID:21778
EP_NO: 11236

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 3-inch steel irrigation pipe through the levee, 3.3 feet below the crown. Siphon breaker on the landside (LS) shoulder. Pipe terminates at pump house attached to the house on landside. (3-1/2-inch pipe [HLM 4.20] authorized under Automatic Board Order (ABO) issued as Permit No. 11236, 1975 - Edward Robert Freitas). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.20), listed as 3.5-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 96+25.3), listed as 3-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 5, Station 96+25.3, 25 January 1951].

FS Date: 6/26/2020 1:10:42 PM

Photo 1 of 3 : UCIP_SP_2021_62337_90082.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.21	Rating **	M	Issue No.	88 (cont)
LM End	4.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.144751 °	38.144751 °
				-121.601484 °	-121.601484 °
DWR ID	21778				

Photo 2 of 3 : UCIP_SP_2021_62337_90087.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.21	Rating **	M	Issue No.	88 (cont)
LM End	4.21	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62337_90086.jpg



Water-Side: View of riverbank at the crossing. Pipe is under water

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.22	Rating **	U	Issue No.	89
LM End	4.22	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.144579 °	38.144579 °
				-121.601412 °	-121.601412 °
DWR ID	21813				

Comment Code

Inspector Comment

FS_ID:62338
DS_ID:21813
EP_NO: 16762
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 06/26/2020 Record updated from No Action Needed to Urgent. Local landowner informed that leakage on landside occurs when pipe is running. Excess vegetation in pipe alignment is visible at the approximate leakage spot. Recommend pipe owner to perform pipe integrity test. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 2 feet below the crown. Siphon breaker on the landside (LS) shoulder. Shutoff valve at the LS toe. This crossing replaces 10-inch pipe (see DSID 21779). (12-inch pipe authorized under Permit No. 16762, 1997 - Brannan Andrus Levee Maintenance District). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.21). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 95+61), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 5, Station 95+61, 25 January 1951, listed as 8-inch pipe].
FS Date: 6/26/2020 1:25:20 PM

LM Start	4.22	Rating **	U	Issue No.	89 (cont)
LM End	4.22	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62338_90092.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62338_90089.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.22	Rating **	U	Issue No.	89 (cont)	
LM End	4.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.144579 °	38.144579 °	
				-121.601412 °	-121.601412 °	
DWR ID	21813					

Photo 3 of 3 : UCIP_SP_2021_62338_90090.jpg



Land-Side: Levee slope. Shut-off valve at levee toe

LM Start	4.23	Rating **	M	Issue No.	20
LM End	4.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.144471 °	38.143652 °
				-121.601381 °	-121.600877 °
DWR ID	DWR_NA0002_01_f _ 2019_20				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Sprinkler system on waterside of levee.					

Photo 1 of 1 : SP_2021_NA0002_62_20_20210226_00008.jpg



View looking downstream at sprinkler system on the waterside slope (Fall 2019).

LM Start	4.26	Rating **	C	Issue No.	9
LM End	4.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.143973 °	38.143728 °
				-121.601057 °	-121.600885 °
DWR ID	DWR_NA0002_01_f_2020_9				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.37	Rating **	M	Issue No.	90
LM End	4.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.142643 °	38.142643 °
				-121.599993 °	-121.599993 °
DWR ID	23124				
Comment Code					
Inspector Comment					
FS_ID:62347 DS_ID:23124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 0.5-inch polyvinyl chloride electrical conduit through the levee, 2 feet below the crown. Pipes visible under walkway. Permit T2017119 to install sprinklers on both sides of levee road is withdrawn. FS Date: 6/26/2020 1:39:35 PM					

LM Start	4.37	Rating **	M	Issue No.	90 (cont)
LM End	4.37	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62347_90133.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62347_90137.jpg



Land-Side: Electrical conduit next to house

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.37	Rating **	M	Issue No.	90 (cont)
LM End	4.37	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.142643 °	38.142643 °	
			-121.599993 °	-121.599993 °	
DWR ID	23124				

Photo 3 of 3 : UCIP_SP_2021_62347_90134.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.37	Rating **	M	Issue No.	91
LM End	4.37	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.142643 °	38.142643 °	
			-121.599993 °	-121.599993 °	
DWR ID	23123				

Comment Code

Inspector Comment

FS_ID:62348
DS_ID:23123
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 0.5-inch polyvinyl chloride electrical conduit through the levee, 2 feet below the crown. Pipes visible under walkway on the waterside (WS) shoulder.
FS Date: 6/26/2020 1:42:40 PM

Photo 1 of 3 : UCIP_SP_2021_62348_90138.jpg



Top of Levee: View of levee crown looking downstream

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.37	Rating **	M	Issue No.	91 (cont)	
LM End	4.37	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.142643 °	38.142643 °	
				-121.599993 °	-121.599993 °	
DWR ID	23123					

Photo 2 of 3 : UCIP_SP_2021_62348_90143.jpg



Land-Side: Electrical conduit next to house

LM Start	4.37	Rating **	M	Issue No.	91 (cont)
LM End	4.37	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62348_90139.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.38	Rating **	M	Issue No.	92
LM End	4.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.142643 °	38.142643 °
				-121.599993 °	-121.599993 °
DWR ID	23122				
Comment Code					
Inspector Comment					
FS_ID:62349 DS_ID:23122 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2-inch polyvinyl chloride irrigation pipe through the levee, 2 feet below the crown. Pump on boat dock on the waterside (WS) with walkway. Pipes visible under walkway. FS Date: 6/26/2020 1:45:03 PM					

LM Start	4.38	Rating **	M	Issue No.	92 (cont)
LM End	4.38	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62349_90144.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62349_90149.jpg



Land-Side: View of levee slope looking from crown

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.45	Rating **	M	Issue No.	93 (cont)
LM End	4.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.141719 °	38.141719 °
				-121.599223 °	-121.599223 °
DWR ID	21780				

Photo 2 of 3 : UCIP_SP_2021_62350_90151.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.45	Rating **	M	Issue No.	93 (cont)
LM End	4.45	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62350_90152.jpg



Land-Side: Siphon breaker / filler pipe on levee slope

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.47	Rating **	M	Issue No.	94
LM End	4.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.141531 °	38.141531 °
				-121.599076 °	-121.599076 °
DWR ID	21827				

Comment Code

Inspector Comment

FS_ID:62351
DS_ID:21827
EP_NO: 11237
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 3-inch steel irrigation pipe through the levee, 4 feet below the crown. (3-inch pipe [HLM 4.45] authorized under Automatic Board Order (ABO) issued as Permit No. 11237, 1975 - Bruna Galli). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.45), listed as 3.5-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 82+86), listed as 3-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 5, Station 82+86, 25 January 1951].
FS Date: 6/26/2020 5:04:11 PM

LM Start	4.47	Rating **	M	Issue No.	94 (cont)
LM End	4.47	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62351_90157.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62351_90156.jpg



Land-Side: View of levee slope at potential crossing

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.47	Rating **	M	Issue No.	94 (cont)
LM End	4.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.141531 °	38.141531 °
				-121.599076 °	-121.599076 °
DWR ID	21827				

Photo 3 of 3 : UCIP_SP_2021_62351_90158.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.54	Rating **	M	Issue No.	130
LM End	4.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140542 °	38.139808 °
				-121.598366 °	-121.597911 °
DWR ID	DWR_NA0002_01_s_2021_130				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.54	Rating **	M	Issue No.	129
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140540 °	38.139806 °
				-121.598366 °	-121.597909 °
DWR ID	DWR_NA0002_01_s_2021_129				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.55	Rating **	U	Issue No.	85
LM End	4.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140402 °	38.140402 °
				-121.598275 °	-121.598275 °
DWR ID	DWR_NA0002_01_s_2019_85				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries from landside toe					

Photo 1 of 1 : SP_2021_NA0002_62_85_20210226_00035.jpg



View looking downslope at blackberries at the landside slope (Spring 2019).

LM Start	4.63	Rating **	M	Issue No.	95
LM End	4.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.139401 °	38.139401 °
				-121.597678 °	-121.597678 °
DWR ID	21781				
Comment Code					
Inspector Comment					
FS_ID:62355 DS_ID:21781 EP_NO: 11237 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/26/2020 Record remains Non-Urgent. Crossing appears abandoned. Vegetation grows in concrete standpipe on landside. Pipe is under water at riverbank. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 05/15/2013 Appears abandoned. Good candidate for video inspection. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 3.6 feet below the crown. 42-inch concrete standpipe on the landside (LS) toe. (7-inch pipe [HLM 4.63] authorized under Automatic Board Order (ABO) issued as Permit No. 11237, 1975 - Bruna Galli). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.63). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 74+06), listed as 6-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 5, Station 74+06, 25 January 1951]. FS Date: 6/26/2020 8:21:40 AM					

Photo 1 of 3 : UCIP_SP_2021_62355_90176.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.63	Rating **	M	Issue No.	95 (cont)
LM End	4.63	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.139401 °	38.139401 °	
			-121.597678 °	-121.597678 °	
DWR ID	21781				

Photo 2 of 3 : UCIP_SP_2021_62355_90177.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.63	Rating **	M	Issue No.	95 (cont)
LM End	4.63	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62355_90178.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.65	Rating **	U	Issue No.	131
LM End	4.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.139167 °	38.139167 °
				-121.597561 °	-121.597561 °
DWR ID	DWR_NA0002_01_s_2021_131				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders blocking view down landside slope.					

Photo 1 of 1 : SP_2021_NA0002_62_131_20210317_00238.jpg



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

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.70	Rating **	M	Issue No.	96	
LM End	4.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.138546 °	38.138546 °	
				-121.597213 °	-121.597213 °	
DWR ID	23117					
Comment Code						
Inspector Comment						
FS_ID:62360						
DS_ID:23117						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1-inch polyvinyl chloride irrigation pipe through the levee, 1.5 feet below the crown. Pump on dock. Pipes visible under walkway.						
FS Date: 6/26/2020 9:36:38 AM						

LM Start	4.70	Rating **	M	Issue No.	96 (cont)
LM End	4.70	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62360_90196.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62360_90197.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.70	Rating **	M	Issue No.	96 (cont)
LM End	4.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.138546 °	38.138546 °	
			-121.597213 °	-121.597213 °	
DWR ID	23117				

Photo 3 of 3 : UCIP_SP_2021_62360_90198.jpg



Water-Side: Pipe under walkway

LM Start	4.70	Rating **	M	Issue No.	97
LM End	4.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.138546 °	38.138546 °	
			-121.597213 °	-121.597213 °	
DWR ID	23118				

Comment Code

Inspector Comment

FS_ID:62361
DS_ID:23118
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 0.75-inch polyvinyl chloride domestic water pipe through the levee, 1.5 feet below the crown. Pipes visible under walkway.

FS Date: 6/26/2020 9:39:26 AM

Photo 1 of 3 : UCIP_SP_2021_62361_90203.jpg



Top of Levee: View of levee crown looking downstream

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.70	Rating **	M	Issue No.	97 (cont)
LM End	4.70	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.138546 °	38.138546 °	
			-121.597213 °	-121.597213 °	
DWR ID	23118				

Photo 2 of 3 : UCIP_SP_2021_62361_90204.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.70	Rating **	M	Issue No.	97 (cont)
LM End	4.70	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62361_90205.jpg



Water-Side: Pipe under walkway

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.70	Rating **	M	Issue No.	98	
LM End	4.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.138546 °		38.138546 °
				-121.597213 °		-121.597213 °
DWR ID	23119					
Comment Code						
Inspector Comment						
FS_ID:62362 DS_ID:23119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. Permit No. 18284 that potentially authorizes existing electrical conduit is still under review. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 0.75-inch polyvinyl chloride electrical conduit through the levee, 1.5 feet below the crown. Pipes visible under walkways on both sides of levee. FS Date: 6/26/2020 9:44:29 AM						

LM Start	4.70	Rating **	M	Issue No.	98 (cont)
LM End	4.70	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62362_90208.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62362_90209.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.70	Rating **	M	Issue No.	98 (cont)
LM End	4.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.138546 °	38.138546 °
				-121.597213 °	-121.597213 °
DWR ID	23119				

Photo 3 of 3 : UCIP_SP_2021_62362_90210.jpg



Water-Side: Conduit under walkway

LM Start	4.70	Rating **	M	Issue No.	55
LM End	4.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.138424 °	38.137959 °
				-121.597163 °	-121.596872 °
DWR ID	DWR_NA0002_01_s_2018_55				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner needs to maintain the landscaping on the LS slope.					

No Photos

LM Start	4.74	Rating **	M	Issue No.	70
LM End	4.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.137921 °	38.137366 °
				-121.596847 °	-121.596421 °
DWR ID	DWR_NA0002_01_s_2018_70				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Iceplant blocks visibility of landside slope.					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.76	Rating **	M	Issue No.	99	
LM End	4.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.137651 °	38.137651 °	
				-121.596659 °	-121.596659 °	
DWR ID	25569					
Comment Code						
Inspector Comment						
FS_ID:62363 DS_ID:25569 EP_NO: 18234 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 6-inch steel pipe is through the levee 16-inch below the crown. Four 2-inch galvanized steel utility conduits sleeved through 6-inch pipe and extend through capped ends of sleeve. Permitted as a part of boat dock construction. (6-inch steel conduit with sleeved utility conduits authorized under Permit No. 18234, 2012 - Richard & Marilyn Comstock). FS Date: 6/29/2020 11:18:31 AM						

LM Start	4.76	Rating **	M	Issue No.	99 (cont)
LM End	4.76	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62363_90213.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62363_90214.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.79	Rating **	M	Issue No.	100 (cont)
LM End	4.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.137306 °	38.137306 °
				-121.596371 °	-121.596371 °
DWR ID	21782				

Photo 2 of 3 : UCIP_SP_2021_62366_90225.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.79	Rating **	M	Issue No.	100 (cont)
LM End	4.79	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62366_90226.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.80	Rating **	M	Issue No.	101
LM End	4.80	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.137218 °	38.137218 °
				-121.596310 °	-121.596310 °
DWR ID	21799				
Comment Code					
Inspector Comment					
FS_ID:62367 DS_ID:21799 EP_NO: 15073 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: Galvanized iron utility conduit of an unknown size through the levee, 2 feet below the crown. Christie box on the landside (LS) slope. (Utility line (special condition 24) authorized under Permit No. 15073, 1989 - David & Sharon Thurman). FS Date: 6/29/2020 1:34:57 PM					

LM Start	4.80	Rating **	M	Issue No.	101 (cont)
LM End	4.80	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62367_90228.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62367_90229.jpg



Land-Side: View of levee slope looking from crown

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

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.80	Rating **	M	Issue No.	102 (cont)
LM End	4.80	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.137175 °	38.137175 °	
			-121.596270 °	-121.596270 °	
DWR ID	25568				

Photo 2 of 3 : UCIP_SP_2021_62368_90232.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.80	Rating **	M	Issue No.	102 (cont)
LM End	4.80	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62368_90233.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.80	Rating **	M	Issue No.	103
LM End	4.80	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.137218 °	38.137218 °
				-121.596300 °	-121.596300 °
DWR ID	21837				
Comment Code					
Inspector Comment					
FS_ID:62369 DS_ID:21837 EP_NO: 15073 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: Galvanized iron utility conduit of an unknown size through the levee, 2 feet below the crown. (Utility line (special condition 24) authorized under Permit No. 15073, 1989 - David & Sharon Thurman).					
FS Date: 6/29/2020 1:40:39 PM					

LM Start	4.80	Rating **	M	Issue No.	103 (cont)
LM End	4.80	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62369_90234.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62369_90235.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.80	Rating **	M	Issue No.	103 (cont)
LM End	4.80	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.137218 °	38.137218 °
				-121.596300 °	-121.596300 °
DWR ID	21837				

Photo 3 of 3 : UCIP_SP_2021_62369_90236.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.80	Rating **	M	Issue No.	104
LM End	4.80	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.137180 °	38.137180 °
				-121.596268 °	-121.596268 °
DWR ID	21796				

Comment Code

Inspector Comment

FS_ID:62371
DS_ID:21796
EP_NO: 13667
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Recommend owner to install utility box and conduit to protect electrical cable on waterside. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 1-inch electrical conduit of an unknown material through the levee, 2 feet below the crown. (Utility line (special condition 23) authorized under Permit No. 13667, 1983 - Ted Amlick).
FS Date: 6/29/2020 1:43:47 PM

Photo 1 of 3 : UCIP_SP_2021_62371_90241.jpg



Top of Levee: View of levee crown looking downstream

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.80	Rating **	M	Issue No.	104 (cont)
LM End	4.80	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.137180 °	38.137180 °	
			-121.596268 °	-121.596268 °	
DWR ID	21796				

Photo 2 of 3 : UCIP_SP_2021_62371_90242.jpg



Land-Side: View of levee slope looking from crown

LM Start	4.80	Rating **	M	Issue No.	104 (cont)
LM End	4.80	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62371_90243.jpg



Land-Side: Christie box on levee slope

LM Start	4.83	Rating **	U	Issue No.	48
LM End	4.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.136839 °	38.136839 °
				-121.595994 °	-121.595994 °
DWR ID	DWR_NA0002_01_f_2015_48				
Comment Code					
FE : Fence					
Inspector Comment					
Unauthorized fence at landside toe.					

Photo 1 of 1 : SP_2021_NA0002_62_48_20210226_00016.jpg



View looking downslope at unauthorized fence on the landside (Fall 2019).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.86	Rating **	M	Issue No.	10
LM End	4.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.136470 °	38.135553 °
				-121.595643 °	-121.594532 °
DWR ID	DWR_NA0002_01_f_2020_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.95	Rating **	M	Issue No.	73
LM End	4.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.135445 °	38.135029 °
				-121.594527 °	-121.594052 °
DWR ID	DWR_NA0002_01_s_2018_73				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Iceplant blocks visibility of landside slope. Should be removed.					

No Photos

LM Start	4.96	Rating **	M	Issue No.	54
LM End	5.00	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.135407 °	38.135013 °
				-121.594512 °	-121.593970 °
DWR ID	DWR_NA0002_01_s_2020_54				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Sprinklers on the waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_62_54_20210226_00019.jpg



View looking downstream at sprinklers on the waterside slope (Spring 2020).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.98	Rating **	M	Issue No.	105	
LM End	4.98	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.135138 °		38.135138 °
				-121.594176 °		-121.594176 °
DWR ID	21841					
Comment Code						
Inspector Comment						
FS_ID:62374						
DS_ID:21841						
EP_NO: 5420						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Conduit is open on waterside slope under gangway.						
Recommend owner to cap the end of the conduit. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1-inch galvanized steel electrical conduit through the levee, 2 feet below the crown. Visible on walkway at the waterside (WS) slope. (Utility conduit authorized under Permit No. 5420, 1966 - William C. Myer). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.98)].						
FS Date: 6/29/2020 3:09:43 PM						

LM Start	4.98	Rating **	M	Issue No.	105 (cont)
LM End	4.98	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62374_90258.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62374_90260.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	4.98	Rating **	M	Issue No.	105 (cont)	
LM End	4.98	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.135138 °	38.135138 °	
				-121.594176 °	-121.594176 °	
DWR ID	21841					

Photo 3 of 3 : UCIP_SP_2021_62374_90259.jpg



Water-Side: View of levee slope looking from crown

LM Start	4.99	Rating **	M	Issue No.	12
LM End	4.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.135118 °	38.135118 °
				-121.594108 °	-121.594108 °
DWR ID	DWR_NA0002_01_f_2020_12				
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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.01	Rating **	M	Issue No.	106
LM End	5.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.134906 °	38.134906 °
				-121.593888 °	-121.593888 °
DWR ID	21784				

Comment Code

Inspector Comment

FS_ID:62377
DS_ID:21784
EP_NO: 11244
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Pipe is running - no leaks detected. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 4 feet below the crown. Siphon breaker on the landside (LS) shoulder. 48-inch diameter concrete standpipe on the LS. (12-inch pipe [HLM 5.01] authorized under Automatic Board Order (ABO) issued as Permit No. 11244, 1975 - Mary Nobrega). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.01). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 54+23), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 4, Station 54+23, 25 January 1951].
FS Date: 6/29/2020 3:16:42 PM

LM Start	5.01	Rating **	M	Issue No.	106 (cont)
LM End	5.01	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62377_90274.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62377_90273.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.01	Rating **	M	Issue No.	106 (cont)
LM End	5.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.134906 °	38.134906 °
				-121.593888 °	-121.593888 °
DWR ID	21784				

Photo 3 of 3 : UCIP_SP_2021_62377_90275.jpg



Land-Side: Concrete standpipe with screw gate at levee toe

LM Start	5.01	Rating **	M	Issue No.	76
LM End	5.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.134857 °	38.133309 °
				-121.593840 °	-121.592068 °
DWR ID	DWR_NA0002_01_s_2018_76				
Comment Code					
V6 : Landscaping					
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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.01	Rating **	M	Issue No.	107	
LM End	5.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.134822 °	38.134822 °	
				-121.593819 °	-121.593819 °	
DWR ID	21828					
Comment Code						
Inspector Comment						
FS_ID:62379 DS_ID:21828 EP_NO: 11244 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. 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 irrigation pipe of an unknown material through the levee, 4 feet below the crown. Siphon breaker on the landside (LS) shoulder. (12-inch pipe [HLM 5.01] authorized under Automatic Board Order (ABO) issued as Permit No. 11244, 1975 - Mary Nobrega). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.01)]. FS Date: 6/29/2020 9:51:54 AM						

LM Start	5.01	Rating **	M	Issue No.	107 (cont)
LM End	5.01	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62379_90283.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62379_90282.jpg



Water-Side: View of levee slope looking from toe

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.02	Rating **	M	Issue No.	108 (cont)
LM End	5.02	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.134725 °	38.134725 °	
			-121.593709 °	-121.593709 °	
DWR ID	21805				

Photo 2 of 3 : UCIP_SP_2021_62380_90286.jpg



Land-Side: View of levee slope looking from crown

LM Start	5.02	Rating **	M	Issue No.	108 (cont)
LM End	5.02	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62380_90287.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.07	Rating **	M	Issue No.	57
LM End	5.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.134238 °	38.133325 °
				-121.593188 °	-121.592032 °
DWR ID	DWR_NA0002_01_s_2020_57				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Sprinklers on the waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_62_57_20210226_00021.jpg



View looking downstream at sprinklers on the waterside slope (Spring 2020).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.13	Rating **	U	Issue No.	66
LM End	5.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.133600 °	38.133600 °
				-121.592414 °	-121.592414 °
DWR ID	DWR_NA0002_01_s_2016_66				
Comment Code					
BU : Building					
Inspector Comment					
Storage container at landside toe.					

Photo 1 of 1 : SP_2021_NA0002_62_66_20210226_00027.jpg



View looking upstream at storage container at the landside toe (Fall 2019).

LM Start	5.17	Rating **	C	Issue No.	13
LM End	5.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.133177 °	38.133177 °
				-121.591888 °	-121.591888 °
DWR ID	DWR_NA0002_01_f_2020_13				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	5.18	Rating **	M	Issue No.	77
LM End	5.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.133062 °	38.132753 °
				-121.591798 °	-121.591452 °
DWR ID	DWR_NA0002_01_s_2018_77				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.21	Rating **	M	Issue No.	109	
LM End	5.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.132682 °		38.132682 °
				-121.591369 °		-121.591369 °
DWR ID	21785					
Comment Code						
Inspector Comment						
FS_ID:62389 DS_ID:21785 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Abandoned pumphouse on landside, 3/4-inch air vent pipe on waterside shoulder. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2.5-inch pipe of an unknown material or purpose through the levee, 2.2 feet below the crown. FS Date: 6/29/2020 2:17:41 PM						

Photo 1 of 3 : UCIP_SP_2021_62389_90328.jpg



Top of Levee: View of levee crown looking downstream

LM Start	5.21	Rating **	M	Issue No.	109 (cont)
LM End	5.21	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62389_90329.jpg



Land-Side: View of levee slope looking crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.21	Rating **	M	Issue No.	109 (cont)
LM End	5.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.132682 °	38.132682 °
				-121.591369 °	-121.591369 °
DWR ID	21785				

Photo 3 of 3 : UCIP_SP_2021_62389_90330.jpg



Land-Side: Abandoned pumphouse off levee toe

LM Start	5.22	Rating **	U	Issue No.	78
LM End	5.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.132606 °	38.132322 °
				-121.591295 °	-121.590989 °
DWR ID	DWR_NA0002_01_s_2018_78				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Heavy landscaping completely blocks visibility and access to landside slope and toe.					

Photo 1 of 1 : SP_2021_NA0002_62_78_20210226_00032.jpg



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

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.23	Rating **	M	Issue No.	110
LM End	5.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.132462 °	38.132462 °
				-121.591131 °	-121.591131 °
DWR ID	21786				
Comment Code					
Inspector Comment					
FS_ID:62390 DS_ID:21786 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2-inch pipe of an unknown material or purpose through the levee, 3.2 feet below the crown. FS Date: 6/29/2020 2:20:01 PM					

Photo 1 of 3 : UCIP_SP_2021_62390_90334.jpg



Top of Levee: View of levee crown looking downstream

LM Start	5.23	Rating **	M	Issue No.	110 (cont)
LM End	5.23	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62390_90335.jpg



Land-Side: View of levee slope looking from crown. Private dwelling on landside

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.23	Rating **	M	Issue No.	110 (cont)
LM End	5.23	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.132462 °	38.132462 °	
			-121.591131 °	-121.591131 °	
DWR ID	21786				

Photo 3 of 3 : UCIP_SP_2021_62390_90336.jpg



Water-Side: Floating house in the slough channel. Pipe not found on riverbank

LM Start	5.25	Rating **	M	Issue No.	61
LM End	5.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.132261 °	38.132261 °
				-121.590914 °	-121.590914 °
DWR ID	DWR_NA0002_01_s_2015_61				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Overgrown landscaping and firewood on waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_62_61_20210226_00025.jpg



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

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.26	Rating **	M	Issue No.	60
LM End	5.26	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.132199 °	38.132199 °
				-121.590855 °	-121.590855 °
DWR ID	DWR_NA0002_01_s_2015_60				
Comment Code					
GA : Garbage					
Inspector Comment					
An abandoned child's swing set at the waterside toe.					

Photo 1 of 1 : SP_2021_NA0002_62_60_20210226_00024.jpg



View looking downstream at abandoned child's swing and other garbage on the waterside slope (Fall 2019).

LM Start	5.26	Rating **	M	Issue No.	133
LM End	5.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.132154 °	38.130114 °
				-121.590834 °	-121.588662 °
DWR ID	DWR_NA0002_01_s_2021_133				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.26	Rating **	M	Issue No.	15
LM End	5.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.132160 °	38.129252 °
				-121.590803 °	-121.585248 °
DWR ID	DWR_NA0002_01_f_2020_15				
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		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.36	Rating **	M	Issue No.	111
LM End	5.36	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.131048 °	38.131048 °	
			-121.589655 °	-121.589655 °	
DWR ID	21816				

Comment Code

Inspector Comment

FS_ID:62393
DS_ID:21816
EP_NO: 11245
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/29/2020 Record remains Non-Urgent. Slide gate is closed, pipe is under water inside of concrete riser - unable to evaluate pipe condition and compare with previous inspection comment. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/08/2013 Appears abandoned. Pipe at slide gate in riser on LS toe is rusted through.
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 3.8 feet below the crown. 2-inch primer valve and 48-inch concrete standpipe on the landside (LS). (12-inch pipe [HLM 5.37] authorized under Automatic Board Order (ABO) issued as Permit No. 11245, 1975 - Mary Nobrega & Manuel Mendes et.al). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.36), listed as 14-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 35+76.7), listed as 14-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 3, Station 35+76.7, 25 January 1951].
FS Date: 6/29/2020 8:24:30 AM

LM Start	5.36	Rating **	M	Issue No.	111 (cont)
LM End	5.36	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62393_90346.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62393_90347.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.36	Rating **	M	Issue No.	111 (cont)
LM End	5.36	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.131048 °	38.131048 °	
			-121.589655 °	-121.589655 °	
DWR ID	21816				

Photo 3 of 3 : UCIP_SP_2021_62393_90349.jpg



Water-Side: View of pipe at riverbank

LM Start	5.44	Rating **	M	Issue No.	23
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.130115 °	38.129359 °
				-121.588662 °	-121.586487 °
DWR ID	DWR_NA0002_01_s_2012_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_62_23_20210226_00009.jpg



View looking downstream at vegetation at the landside toe (Fall 2019).

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.54	Rating **	U	Issue No.	112
LM End	5.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129441 °	38.129441 °
				-121.587014 °	-121.587014 °
DWR ID	21788				

Comment Code

Inspector Comment

FS_ID:62394
DS_ID:21788
EP_NO: 11245
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/01/2020 Record updated from No Action Needed to Urgent. Soil depression on landside slope from concrete standpipe up the slope measures 13' x 3' x 1'-deep. Overgrown vegetation on waterside limits inspection of levee at this crossing. Crossing appears abandoned. Slide gate inside of concrete standpipe not in operable condition. 1-1/2 hose connected to siphon breaker / filler pipe on landside shoulder. 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 irrigation pipe through the levee, 3.8 feet below the crown. Siphon breaker on the landside (LS) shoulder. Concrete standpipe located LS of toe. (10-inch pipe [HLM 5.55] authorized under Automatic Board Order (ABO) issued as Permit No. 11245, 1975 - Mary Nobrega & Manuel Mendes et.al). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.55). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 26+25), listed as 10-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 3, Station 26+25, 25 January 1951].
FS Date: 7/1/2020 8:28:37 AM

LM Start	5.54	Rating **	U	Issue No.	112 (cont)
LM End	5.54	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62394_21275.jpg



10-inch pipe at WS toe.

Photo 2 of 3 : UCIP_SP_2021_62394_21274.jpg



Pipe visible at WS toe to left of tree in photo.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.54	Rating **	U	Issue No.	112 (cont)
LM End	5.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129441 °	38.129441 °
				-121.587014 °	-121.587014 °
DWR ID	21788				

Photo 3 of 3 : UCIP_SP_2021_62394_21273.jpg



Siphon breaker next to paddle marker on LS shoulder.

LM Start	5.64	Rating **	C	Issue No.	81
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.129250 °	38.129637 °
				-121.585193 °	-121.581648 °
DWR ID	DWR_NA0002_01_f_2018_81				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	5.67	Rating **	M	Issue No.	134
LM End	5.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.129276 °	38.129640 °
				-121.584692 °	-121.581688 °
DWR ID	DWR_NA0002_01_s_2021_134				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.84	Rating **	C	Issue No.	51
LM End	5.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.129655 °	38.129655 °
				-121.581719 °	-121.581719 °
DWR ID	DWR_NA0002_01_f_2017_51				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	5.84	Rating **	M	Issue No.	113	
LM End	5.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.129652 °	38.129652 °	
				-121.581641 °	-121.581641 °	
DWR ID	23131					
Comment Code						
Inspector Comment						
FS_ID:62395 DS_ID:23131 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/01/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. Need to have CVFPB review ABO and determine current owner. Pipe visible only on landside. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1-inch galvanized iron water line, at an unknown depth, visible at the landside (LS) toe. (Waterline authorized under Automatic Board Order (ABO) issued as Permit No. 4366B, 1974 - Mr. Aramis Fouche). FS Date: 7/1/2020 9:53:54 AM						

Photo 1 of 3 : UCIP_SP_2021_62395_90359.jpg



Top of Levee: View of levee crown looking downstream

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.84	Rating **	M	Issue No.	113 (cont)
LM End	5.84	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129652 °	38.129652 °
				-121.581641 °	-121.581641 °
DWR ID	23131				

Photo 2 of 3 : UCIP_SP_2021_62395_90360.jpg



Land-Side: View of levee slope looking from crown

LM Start	5.84	Rating **	M	Issue No.	113 (cont)
LM End	5.84	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62395_90361.jpg



Land-Side: Pipe visible on levee toe at a structure covered with tree branches

LM Start	5.84	Rating **	C	Issue No.	82
LM End	5.84	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.129663 °	38.129663 °
				-121.581638 °	-121.581638 °
DWR ID	DWR_NA0002_01_f_2018_82				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.85	Rating **	M	Issue No.	114	
LM End	5.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.129674 °	38.129674 °	
				-121.581408 °	-121.581408 °	
DWR ID	23132					
Comment Code						
Inspector Comment						
FS_ID:62396 DS_ID:23132 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/01/2020 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1.5-inch galvanized iron water line, at an unknown depth, visible on the landside (LS) toe and at building corner at the waterside (WS) toe. (Waterline authorized under Automatic Board Order (ABO) issued as Permit No. 4366B, 1974 - Mr. Aramis Fouche). FS Date: 7/1/2020 9:56:55 AM						

Photo 1 of 3 : UCIP_SP_2021_62396_90363.jpg



Top of Levee: View of levee crown looking downstream

LM Start	5.85	Rating **	M	Issue No.	114 (cont)
LM End	5.85	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_62396_90364.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.87	Rating **	M	Issue No.	115 (cont)
LM End	5.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129712 °	38.129712 °
				-121.581012 °	-121.581012 °
DWR ID	21811				

Photo 2 of 3 : UCIP_SP_2021_62399_90384.jpg



Land-Side: View of levee slope looking from crown

LM Start	5.87	Rating **	M	Issue No.	115 (cont)
LM End	5.87	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62399_90386.jpg



Water-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.88	Rating **	M	Issue No.	116	
LM End	5.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.129712 °	38.129712 °	
				-121.581011 °	-121.581011 °	
DWR ID	21858					
Comment Code						
Inspector Comment						
FS_ID:62400 DS_ID:21858 EP_NO: 14429 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 07/01/2020 Record updated from No Action Needed to Non-Urgent. Crossing not found. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: Utility conduit of an unknown size or material through the levee, 2 feet below the crown. (Utility line authorized under Permit No. 14429, 1986 - James A. and Joan Deak). FS Date: 7/1/2020 10:13:26 AM						

LM Start	5.88	Rating **	M	Issue No.	116 (cont)
LM End	5.88	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62400_90388.jpg



Top of Levee: View of levee crown looking towards waterside

Photo 2 of 3 : UCIP_SP_2021_62400_90387.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.88	Rating **	M	Issue No.	117 (cont)
LM End	5.88	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129727 °	38.129727 °
				-121.580851 °	-121.580851 °
DWR ID	21789				

Photo 2 of 3 : UCIP_SP_2021_62401_90391.jpg



Water-Side: View of levee slope looking from crown

LM Start	5.88	Rating **	M	Issue No.	117 (cont)
LM End	5.88	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62401_90393.jpg



Water-Side: View of pipe at riverbank

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.90	Rating **	M	Issue No.	118	
LM End	5.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.129742 °	38.129742 °	
				-121.580528 °	-121.580528 °	
DWR ID	21815					
Comment Code						
Inspector Comment						
FS_ID:62404 DS_ID:21815 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/01/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1.75-inch galvanized iron irrigation line through the levee, 3.5 feet below the crown. Pump on pad on the landside (LS) shoulder. Pier on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 6+76.9), listed as 2-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 3, Station 6+76.9, 25 January 1951, listed as 2-inch pipe]. FS Date: 7/1/2020 10:22:11 AM						

LM Start	5.90	Rating **	M	Issue No.	118 (cont)
LM End	5.90	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62404_90407.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62404_90408.jpg



Land-Side: View of levee slope looking from crown

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.91	Rating **	M	Issue No.	119 (cont)
LM End	5.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129737 °	38.129737 °
				-121.580346 °	-121.580346 °
DWR ID	21797				

Photo 2 of 3 : UCIP_SP_2021_62405_90415.jpg



Land-Side: View of levee slope. Drainage pipe just behind irrigation box

LM Start	5.91	Rating **	M	Issue No.	119 (cont)
LM End	5.91	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_62405_90416.jpg



Land-Side: Drainage pipe enters ground under walkway

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/17/2021 03/17/2021	David Julian

LM Start	5.94	Rating **	M	Issue No.	120	
LM End	5.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.129702 °	38.129702 °	
				-121.579781 °	-121.579781 °	
DWR ID	21790					
Comment Code						
Inspector Comment						
FS_ID:62410 DS_ID:21790 EP_NO: 11231 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 07/01/2020 Record updated from No Action Needed to Non-Urgent. 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: 7-inch pipe through levee 3.6 feet below crown. Pump on bank. 1-inch steel pipe visible at WS toe. (7-inch pipe [HLM 5.92] authorized under Automatic Board Order (ABO) issued as Permit No. 11231, 1975 - B&W Resort Marina). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.94)]. FS Date: 7/1/2020 1:11:08 PM						

LM Start	5.94	Rating **	M	Issue No.	120 (cont)
LM End	5.94	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_62410_90440.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_SP_2021_62410_90441.jpg



Land-Side: View of levee slope looking from crown

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

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Brannan Andrus Levee Maintenance District

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Left	11.54
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/26/2021 - 4/26/2021			
DWR Inspector	David Julian			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	0.00	Rating **	M	Issue No.	63
LM End	3.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.191865 °	38.162596 °
				-121.567674 °	-121.608538 °
DWR ID	DWR_NA0002_02_s_2021_63				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.03	Rating **	M	Issue No.	58
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.191734 °	38.170428 °
				-121.568175 °	-121.593577 °
DWR ID	DWR_NA0002_02_s_2021_58				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.43	Rating **	M	Issue No.	26
LM End	0.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.189212 °	38.189212 °
				-121.574757 °	-121.574757 °
DWR ID	DWR_NA0002_02_s_2012_26				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_26_20210226_00006.jpg



Looking northeast at fence on landward shoulder and slope.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	0.66	Rating **	M	Issue No.	1	
LM End	0.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.187658 °	38.187658 °	
				-121.578492 °	-121.578492 °	
DWR ID	21867					
Comment Code						
Inspector Comment						
FS_ID:52689 DS_ID:21867 EP_NO: 1173 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Pump platform is leaning on a side. (O.Yakimov-DWR UCIP) FIELD_STRUCT_DESC: 1 of 4: 12-inch irrigation pipe of an unknown material through the levee, 6 feet below the crown. Pump on pile structure in stream. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope. 7-foot by 9-foot concrete distribution box at the LS toe. Service pole on the LS slope with a 1-inch steel electrical conduit at same location. (Permit No. 1173, 1947 - Reclamation District No. 556). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 72+67) steel pipe listed, Drawing No. 50-4-2277]. FS Date: 7/12/2018						

LM Start	0.66	Rating **	M	Issue No.	1 (cont)
LM End	0.66	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_52689_77595.jpg



Pump platform on WS is distorted.

Photo 2 of 3 : UCIP_SP_2021_52689_77596.jpg



View of a bridge to pump platform on WS.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	0.66	Rating **	M	Issue No.	1 (cont)
LM End	0.66	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.187658 °	38.187658 °	
			-121.578492 °	-121.578492 °	
DWR ID	21867				

Photo 3 of 3 : UCIP_SP_2021_52689_19722.jpg



Siphon breaker and Concrete distribution box on LS.

LM Start	0.72	Rating **	U	Issue No.	97
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.187102 °	38.187102 °
				-121.579463 °	-121.579463 °
DWR ID	DWR_NA0002_02_f _ 2018_97				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Fig tree on the landside toe.					

Photo 1 of 1 : SP_2021_NA0002_63_97_20210226_00037.jpg



Looking east at untrimmed fig tree at landward toe.

LM Start	0.80	Rating **	M	Issue No.	8
LM End	0.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.186410 °	38.186172 °
				-121.580616 °	-121.581023 °
DWR ID	DWR_NA0002_02_s_2012_8				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	0.83	Rating **	M	Issue No.	2	
LM End	0.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.186199 °	38.186199 °	
				-121.580968 °	-121.580968 °	
DWR ID	21868					
Comment Code						
Inspector Comment						
FS_ID:12164 DS_ID:21868 EP_NO: 1173 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Several patches on pipe, walkway in disrepair and 24-inch standpipe for siphon breaker on LS slope has been dislodged from the LS slope and rests at LS toe. Pipe appears to be failing at multiple places due to corrosion. FIELD_STRUCT_DESC: 2 of 4: 12-inch irrigation pipe of an unknown material through the levee, 7 feet below the crown. Pump on pile structure with a walkway in the river. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope with a 7-foot by 9-foot concrete distribution box on the LS toe. Service pole on the LS slope with a 1.5-inch galvanized iron electrical conduit at the same location. (Permit No. 1173, 1947 - Reclamation District No. 556). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 52+21) steel pipe listed, Drawing No. 50-4-2277]. FS Date: 4/18/2013						

LM Start	0.83	Rating **	M	Issue No.	2 (cont)
LM End	0.83	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_12164_19726.jpg



Pump on pile structure with walkway on WS berm.

Photo 2 of 3 : UCIP_SP_2021_12164_19725.jpg



1.5-inch galvanized iron electrical conduit at same location as 12-inch pipe on WS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	0.83	Rating **	M	Issue No.	2 (cont)	
LM End	0.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.186199 °		38.186199 °
				-121.580968 °		-121.580968 °
DWR ID	21868					

Photo 3 of 3 : UCIP_SP_2021_12164_19724.jpg



Multiple patches on Pipe along WS berm.

LM Start	1.08	Rating **	U	Issue No.	47
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.183458 °	38.183458 °
				-121.584065 °	-121.584065 °
DWR ID	DWR_NA0002_02_f _ 2020_47				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove down tree within 20' of waterside shoulder.					

Photo 1 of 1 : SP_2021_NA0002_63_47_20210226_00011.jpg



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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	1.33	Rating **	M	Issue No.	81
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.180472 °	38.180472 °
				-121.586510 °	-121.586510 °
DWR ID	DWR_NA0002_02_s_2018_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree has been significantly reduced on waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_81_20210426_00146.jpg



View of fallen tree on waterside slope that has been significantly reduced since Fall 2020 (Spring 2021).

LM Start	1.39	Rating **	M	Issue No.	3	
LM End	1.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.179666 °		38.179666 °
				-121.587109 °		-121.587109 °
DWR ID	21869					
Comment Code						
Inspector Comment						
FS_ID:12165 DS_ID:21869 EP_NO: 11261 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Pipe open on WS. FIELD_STRUCT_DESC: 8-inch irrigation pipe of an unknown material through the levee, 6.5 feet below the crown. Pump in pump house on berm. 7-foot by 9-foot concrete distribution box on the landside (LS) toe. Service poles on the LS slope with a 1.5-inch galvanized steel electrical conduit at same location. (Automatic Board Order (ABO) issued as Permit No. 11261, 1975 - Anthony and John Correia). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 42+33) steel pipe listed, Drawing No. 50-4-2277]. FS Date: 4/18/2013						

Photo 1 of 3 : UCIP_SP_2021_12165_19731.jpg



JP on LS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	1.39	Rating **	M	Issue No.	3 (cont)
LM End	1.39	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.179666 °	38.179666 °
				-121.587109 °	-121.587109 °
DWR ID	21869				

Photo 2 of 3 : UCIP_SP_2021_12165_19730.jpg



Pipe and pumphouse on WS berm.

LM Start	1.39	Rating **	M	Issue No.	3 (cont)
LM End	1.39	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_12165_19729.jpg



Pipe at pumphouse has been disconnected from pump and is open.

LM Start	1.46	Rating **	U	Issue No.	52
LM End	1.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.178865 °	38.178865 °
				-121.587763 °	-121.587763 °
DWR ID	DWR_NA0002_02_s_2021_52				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove large fallen tree on waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_52_20210426_00147.jpg



View of downed tree and limbs on waterside slope (Spring 2021).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	1.46	Rating **	M	Issue No.	102
LM End	1.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.178790 °	38.178790 °
				-121.587784 °	-121.587784 °
DWR ID	DWR_NA0002_02_s_2021_102				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove tree prunings on the landside slope.					

No Photos

LM Start	1.57	Rating **	M	Issue No.	100
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.177439 °	38.177439 °
				-121.588841 °	-121.588841 °
DWR ID	DWR_NA0002_02_s_2021_100				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	1.61	Rating **	M	Issue No.	4	
LM End	1.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.176874 °	38.176874 °	
				-121.589200 °	-121.589200 °	
DWR ID	21870					
Comment Code						
Inspector Comment						
FS_ID:12183						
DS_ID:21870						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 5.8 feet below the crown. 3-foot by 3-foot concrete distribution box at the landside (LS) toe. Polyvinyl chloride standpipe at the waterside (WS) toe. Hose bib attachment on pipe at the LS toe.						
FS Date: 4/18/2013						

Photo 1 of 3 : UCIP_SP_2021_12183_19742.jpg



Concrete distribution box on LS toe.

LM Start	1.61	Rating **	M	Issue No.	4 (cont)
LM End	1.61	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_12183_19741.jpg



Distribution box and hose bib on LS toe.

* 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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Brannan Andrus Levee Maintenance District

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	1.90	Rating **	M	Issue No.	5	
LM End	1.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.173197 °		38.173197 °
				-121.591552 °		-121.591552 °
DWR ID	21872					
Comment Code						
Inspector Comment						
FS_ID:12185 DS_ID:21872 EP_NO: 11294 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned on both sides. Pipe should be abandoned properly. FIELD_STRUCT_DESC: 6-inch irrigation pipe of an unknown material through the levee, 6.5 feet below the crown. Pump in pump house on the waterside (WS) slope. 1-inch galvanized iron steel electrical conduit at same location. (Automatic Board Order (ABO) issued as Permit No. 11294, 1975 - Hubert Vandermaele). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 8+72) steel pipe listed, Drawing No. 50-4-2277]. FS Date: 4/18/2013						

Photo 1 of 3 : UCIP_SP_2021_12185_19751.jpg



Pumphouse on WS slope.

LM Start	1.90	Rating **	M	Issue No.	5 (cont)
LM End	1.90	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_12185_19750.jpg



Pipe and shutoff valve at pumphouse on WS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	1.90	Rating **	M	Issue No.	5 (cont)
LM End	1.90	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.173197 °	38.173197 °	
			-121.591552 °	-121.591552 °	
DWR ID	21872				

Photo 3 of 3 : UCIP_SP_2021_12185_19749.jpg



Pipe at LS slope (open).

LM Start	1.91	Rating **	U	Issue No.	12
LM End	1.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.173030 °	38.172598 °
				-121.591624 °	-121.591853 °
DWR ID	DWR_NA0002_02_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense landscaping vegetation is on the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_12_20210426_00160.jpg



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

LM Start	1.98	Rating **	M	Issue No.	48
LM End	1.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.172134 °	38.172134 °
				-121.592260 °	-121.592260 °
DWR ID	DWR_NA0002_02_f_2020_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	1.99	Rating **	U	Issue No.	95
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.171939 °	38.171939 °
				-121.592337 °	-121.592337 °
DWR ID	DWR_NA0002_02_s_2021_95				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove down tree limbs on the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_95_20210426_00159.jpg



View of down tree limbs on the landside slope (Spring 2021).

LM Start	2.16	Rating **	M	Issue No.	120
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.169853 °	38.169853 °
				-121.593828 °	-121.593828 °
DWR ID	DWR_NA0002_02_f _ 2016_120				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Fig tree on the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_120_20210226_00048.jpg



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

LM Start	2.34	Rating **	M	Issue No.	25
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.167627 °	38.167152 °
				-121.595538 °	-121.595997 °
DWR ID	DWR_NA0002_02_s_2012_25				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_25_20210226_00005.jpg



Looking southeast at trees at landward shoulder. (Spring 2015)

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.42	Rating **	M	Issue No.	6	
LM End	2.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.166819 °	38.166819 °	
				-121.596590 °	-121.596590 °	
DWR ID	21878					
Comment Code						
Inspector Comment						
FS_ID:12211 DS_ID:21878 EP_NO: 11263 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Further investigation to determine location of pipe should be done. Pumphouse needs to be unlocked to gather additional information. FIELD_STRUCT_DESC: 8-inch irrigation pipe of an unknown material through the levee, 3.7 feet below the crown. Pump in pump house on the waterside (WS) berm. 30-inch concrete standpipe on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 11263, 1975 - Ensher, Alexander, and Barsoon, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (RM 18.25) welded steel pipe listed, Drawing No. 6-13-1100]. FS Date: 4/18/2013						

Photo 1 of 3 : UCIP_SP_2021_12211_19770.jpg



Possible pumphouse on WS shoulder.

LM Start	2.42	Rating **	M	Issue No.	6 (cont)
LM End	2.42	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_12211_19769.jpg



Evidence of pipe (buried) on LS in ditch.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.42	Rating **	M	Issue No.	6 (cont)
LM End	2.42	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.166819 °	38.166819 °	
			-121.596590 °	-121.596590 °	
DWR ID	21878				

Photo 3 of 3 : UCIP_SP_2021_12211_19768.jpg



JP with a meter on pole that would be appropriate for this crossing.

LM Start	2.42	Rating **	U	Issue No.	99
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166772 °	38.166772 °
				-121.596667 °	-121.596667 °
DWR ID	DWR_NA0002_02_s_2014_99				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Dense willows on the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_99_20210226_00039.jpg



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

LM Start	2.45	Rating **	M	Issue No.	62
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166586 °	38.162692 °
				-121.597089 °	-121.608226 °
DWR ID	DWR_NA0002_02_s_2021_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.54	Rating **	M	Issue No.	9	
LM End	2.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.165980 °	38.165980 °	
				-121.598520 °	-121.598520 °	
DWR ID	21879					
Comment Code						
Inspector Comment						
FS_ID:53389 DS_ID:21879 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Tunnel is open on both sides. No integrity issue observed, therefore crossing downgraded to "Non-Urgent". (O.Yakimov-DWR UCIP)10/24/2016 same as previous inspection culvert is open on both ends. WS blocked by blankets -- WS structure is being used as a shelter. (O. Magana - DWR UCIP)04/18/2013 Culvert open on both ends. Needs to be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 42-inch by 42-inch open reinforced concrete drainage culvert through the levee, 6 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005, 3-foot by 3.5-foot culvert listed. USACE Sacramento O&M Manual 103, June 1954, (RM 18.16) Drawing No. 6-13-1100]. FS Date: 7/12/2018 2:59:33 PM						

LM Start	2.54	Rating **	M	Issue No.	9 (cont)
LM End	2.54	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2021_53389_19773.jpg



Concrete tunnel open on both ends.

Photo 2 of 3 : UCIP_SP_2021_53389_19772.jpg



Top of concrete tunnel on LS shoulder.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.54	Rating **	M	Issue No.	9 (cont)	
LM End	2.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.165980 °	38.165980 °	
				-121.598520 °	-121.598520 °	
DWR ID	21879					

Photo 3 of 3 : UCIP_SP_2021_53389_19771.jpg



Concrete tunnel on LS shoulder.

LM Start	2.56	Rating **	M	Issue No.	82
LM End	2.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.165898 °	38.165898 °
				-121.598888 °	-121.598888 °
DWR ID	DWR_NA0002_02_f_2017_82				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is a footpath digging into the levee slope.					

Photo 1 of 1 : SP_2021_NA0002_63_82_20210226_00031.jpg



Looking northwest at the waterside slope.

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.57	Rating **	M	Issue No.	10	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.165775 °	38.165775 °	
				-121.599048 °	-121.599048 °	
DWR ID	21880					
Comment Code						
Inspector Comment						
FS_ID:53513 DS_ID:21880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Tunnel is open on both sides. No integrity issue observed, therefore crossing downgraded to "Non-Urgent". (O.Yakimov-DWR UCIP)10/24/2016 same as previous inspection concrete box culvert will need to be abandoned properly. (O. Magana - DWR UCIP)04/18/2013 tunnel should be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 48-inch by 48-inch reinforced concrete drainage culvert through the levee, 6.5-inches below the crown. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (RM 18.13) 3-foot by 3-foot concrete box listed, Drawing No. 6-13-1100]. FS Date: 7/12/2018 9:05:37 AM						

LM Start	2.57	Rating **	M	Issue No.	10 (cont)
LM End	2.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2021_53513_19776.jpg



Tunnel open on LS shoulder.

Photo 2 of 3 : UCIP_SP_2021_53513_77578.jpg



Concrete tunnel on LS shoulder.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.57	Rating **	M	Issue No.	10 (cont)
LM End	2.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.165775 °	38.165775 °
				-121.599048 °	-121.599048 °
DWR ID	21880				

Photo 3 of 3 : UCIP_SP_2021_53513_19774.jpg



10'X5' concrete box on WS slope, filled with soil.

LM Start	2.58	Rating **	U	Issue No.	74
LM End	2.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.165945 °	38.165498 °
				-121.599345 °	-121.600080 °
DWR ID	DWR_NA0002_02_f_2018_74				

Comment Code

Inspector Comment

2017 Site ID: SAC 18.1 L
 Status: Critical
 2017 Field Notes: Upgraded to critical. Vertical slope face behind a tree that is likely to pop-out soon.
 Site History: 2009 - Short reach of vertical bank at the toe. 2010 - Large tree is getting ready to fall in. 2015 - Freshly exposed tree roots.

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.75	Rating **	M	Issue No.	11	
LM End	2.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.164432 °	38.164432 °	
				-121.601918 °	-121.601918 °	
DWR ID	21881					
Comment Code						
Inspector Comment						
FS_ID:12214						
DS_ID:21881						
EP_NO: 2005						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and rusty. It should be abandoned properly if it is no longer in use.						
FIELD_STRUCT_DESC: 18-inch steel sewer discharge line through the levee, 4 feet below the crown. Two pile dolphins in stream. Fire hydrant on the landside (LS) shoulder. (Permit No. 2005, 1954 - City of Isleton). [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 4/18/2013						

Photo 1 of 3 : UCIP_SP_2021_12214_19778.jpg



Pipe, pile structure, and dolphins on WS.

LM Start	2.75	Rating **	M	Issue No.	11 (cont)
LM End	2.75	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2021_12214_19777.jpg



Pipe on pier at WS.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.75	Rating **	M	Issue No.	11 (cont)
LM End	2.75	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.164432 °	38.164432 °	
			-121.601918 °	-121.601918 °	
DWR ID	21881				

Photo 3 of 3 : UCIP_SP_2021_12214_19779.jpg



Fire hydrant on LS shoulder.

LM Start	2.81	Rating **	M	Issue No.	94
LM End	2.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.164077 °	38.164077 °
				-121.602853 °	-121.602853 °
DWR ID	DWR_NA0002_02_f _ 2015_94				
Comment Code					
FE : Fence					
Inspector Comment					
Remove fallen fence on landside shoulder.					

Photo 1 of 1 : SP_2021_NA0002_63_94_20210226_00036.jpg



View looking at down fence on the landside shoulder (Fall 2019).

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.84	Rating **	M	Issue No.	14	
LM End	2.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.163850 °	38.163850 °	
				-121.603317 °	-121.603317 °	
DWR ID	21882					
Comment Code						
Inspector Comment						
FS_ID:53514 DS_ID:21882 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Tunnel is open on both ends. No integrity issue observed, therefore crossing downgraded to "Non-Urgent". (O.Yakimov-DWR UCIP)10/24/2016 same as previous inspection tunnel is opened on both ends. (O. Magana - DWR UCIP)04/18/2013 Tunnel open on both ends and should be abandoned properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 1 foot below the crown. [Additional Reference(s): DWR Levee Log, 2005, 4-foot by 4.5-foot culvert listed. USACE Sacramento O&M Manual 103, June 1954, (RM 17.89) 48-inch by 52-inch concrete box listed, Drawing No. 6-13-1100]. FS Date: 7/12/2018 9:07:49 AM						

LM Start	2.84	Rating **	M	Issue No.	14 (cont)
LM End	2.84	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2021_53514_19782.jpg



Entrance to tunnel on LS slope.

Photo 2 of 3 : UCIP_SP_2021_53514_19781.jpg



Tunnel opening on WS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.84	Rating **	M	Issue No.	14 (cont)
LM End	2.84	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.163850 °	38.163850 °	
			-121.603317 °	-121.603317 °	
DWR ID	21882				

Photo 3 of 3 : UCIP_SP_2021_53514_19780.jpg



Tunnel opening on WS slope.

LM Start	2.90	Rating **	M	Issue No.	15
LM End	2.90	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.163475 °	38.163475 °	
			-121.604221 °	-121.604221 °	
DWR ID	21883				

Comment Code

Inspector Comment

FS_ID:12217
 DS_ID:21883
 EP_NO: 11269
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe needs to be abandoned properly if it is truly abandoned.
 FIELD_STRUCT_DESC: 8-inch irrigation pipe of an unknown material through the levee, 8.7 feet below the crown. Pump in pump house on the waterside (WS) slope. Slide gate in pump house. Pipe not visible on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 11269, 1975 - Griffin Steel and Supply Company). [Additional Reference(s): DWR Levee Log, 2005].
 FS Date: 4/18/2013

Photo 1 of 2 : UCIP_SP_2021_12217_19785.jpg



Pumphouse on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.90	Rating **	M	Issue No.	15 (cont)
LM End	2.90	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.163475 °	38.163475 °	
			-121.604221 °	-121.604221 °	
DWR ID	21883				

Photo 2 of 2 : UCIP_SP_2021_12217_19784.jpg



Slide gate in pumphouse on WS slope.

LM Start	2.91	Rating **	M	Issue No.	16
LM End	2.91	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.163413 °	38.163413 °	
			-121.604399 °	-121.604399 °	
DWR ID	21884				

Comment Code

Inspector Comment

FS_ID:16005
 DS_ID:21884
 EP_NO: 14173
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: If pipe is still in use it should be marked properly on levee.
 FIELD_STRUCT_DESC: 12-inch steel telephone conduit through the levee, 2 feet below the crown, and under the channel. Four 4-inch galvanized iron conductor pipes sleeved through 12-inch steel conduit. Sign on the waterside (WS) slope of levee across river provides location for this crossing. (Permit No. 14173, 1985 - Owner Unknown).
 [Additional Reference(s): DWR Levee Log, 2005].
 FS Date: 4/18/2013

Photo 1 of 2 : UCIP_SP_2021_16005_27067.jpg



Sign on opposite side of river provides indication of pipe location.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.91	Rating **	M	Issue No.	16 (cont)
LM End	2.91	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.163413 °	38.163413 °	
			-121.604399 °	-121.604399 °	
DWR ID	21884				

Photo 2 of 2 : UCIP_SP_2021_16005_27066.jpg



Sign on opposite side of river provides indication of pipe location.

LM Start	2.93	Rating **	U	Issue No.	30
LM End	3.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.163317 °	38.162707 °
				-121.604813 °	-121.608262 °
DWR ID	DWR_NA0002_02_s_2012_30				
Comment Code					
UR : Urban					
Inspector Comment					
There are several encroachments within the town limits along the landside slope.					

Photo 1 of 2 : SP_2021_NA0002_63_30_20210226_00007.jpg



Looking north at several encroachments along landward slope and toe.

LM Start	2.93	Rating **	U	Issue No.	30 (cont)
LM End	3.12	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2021_NA0002_63_30_20210226_00008.jpg



Looking south at several encroachments along landward slope and toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	2.99	Rating **	M	Issue No.	17	
LM End	2.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.163063 °	38.163063 °	
				-121.605799 °	-121.605799 °	
DWR ID	21886					
Comment Code						
Inspector Comment						
FS_ID:12724 DS_ID:21886 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch pipe of an unknown material or purpose through levee 4.5 feet below crown. Originally included in the 1959 O&M manual. Pipe visible at foundation on WS shoulder. FS Date: 4/24/2013 10:00:00 AM						

Photo 1 of 2 : UCIP_SP_2021_12724_20643.jpg



Pipe visible at concrete foundation on WS shoulder.

LM Start	2.99	Rating **	M	Issue No.	17 (cont)
LM End	2.99	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2021_12724_20642.jpg



Foundation on WS shoulder.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.12	Rating **	M	Issue No.	53
LM End	3.16	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.162738 °	38.162551 °
				-121.608169 °	-121.608912 °
DWR ID	DWR_NA0002_02_s_2020_53				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	3.22	Rating **	U	Issue No.	7
LM End	3.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.162609 °	38.162609 °
				-121.609979 °	-121.609979 °
DWR ID	DWR_NA0002_02_f_2019_7				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_7_20210226_00001.jpg



Looking south at overgrown landscaping on landward slope. (Fall 2016)

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.29	Rating **	M	Issue No.	18
LM End	3.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.162430 °	38.162430 °
				-121.611248 °	-121.611248 °
DWR ID	23135				
Comment Code					
Inspector Comment					
FS_ID:15966 DS_ID:23135 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition and use of pipe. FIELD_STRUCT_DESC: 4-inch cast iron drainage pipe through the levee, 8 feet below the crown. Pipe visible next to foundation on the landside (LS) toe. FS Date: 4/24/2013					

LM Start	3.29	Rating **	M	Issue No.	18 (cont)
LM End	3.29	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_SP_2021_15966_26949.jpg



Pipe visible next to foundation on LS slope.

Photo 2 of 2 : UCIP_SP_2021_15966_26948.jpg



Pipe visible next to foundation on LS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.31	Rating **	M	Issue No.	19	
LM End	3.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.162378 °		38.162378 °
				-121.611656 °		-121.611656 °
DWR ID	23136					
Comment Code						
Inspector Comment						
FS_ID:41838						
DS_ID:23136						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Only USAA paint on pavement. Gasline should be permanently marked.						
FIELD_STRUCT_DESC: Gas line markers on pavement.						
FS Date: 4/24/2013						

No Photos

LM Start	3.37	Rating **	M	Issue No.	20
LM End	3.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.162388 °	38.162388 °
				-121.612847 °	-121.612847 °
DWR ID	21892				
Comment Code					
Inspector Comment					
FS_ID:12745 DS_ID:21892 EP_NO: 11266 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has been abandoned and should be abandoned properly. Pumphouse has collapsed. FIELD_STRUCT_DESC: 6-inch irrigation pipe of an unknown material through the levee, 4.5 feet below the crown. Pump in pump house on the waterside (WS). (Automatic Board Order (ABO) issued as Permit No. 11266, 1975 - Gardiner Improvement Company). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/24/2013					

Photo 1 of 2 : UCIP_SP_2021_12745_20683.jpg



Pipe and wrecked pumphouse on WS toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.37	Rating **	M	Issue No.	20 (cont)
LM End	3.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.162388 °	38.162388 °
				-121.612847 °	-121.612847 °
DWR ID	21892				

Photo 2 of 2 : UCIP_SP_2021_12745_20682.jpg



Pipe visible on WS toe.

LM Start	3.38	Rating **	M	Issue No.	65
LM End	4.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.162408 °	38.165850 °
				-121.612984 °	-121.627982 °
DWR ID	DWR_NA0002_02_s_2021_65				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.40	Rating **	M	Issue No.	64
LM End	3.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.162449 °	38.162449 °
				-121.613390 °	-121.613390 °
DWR ID	DWR_NA0002_02_s_2020_64				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.43	Rating **	U	Issue No.	75
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.162459 °	38.162828 °
				-121.613848 °	-121.616263 °
DWR ID	DWR_NA0002_02 f _ 2018_75				

Comment Code

Inspector Comment

2017 Site ID: SAC 17.2 L

Status: Critical

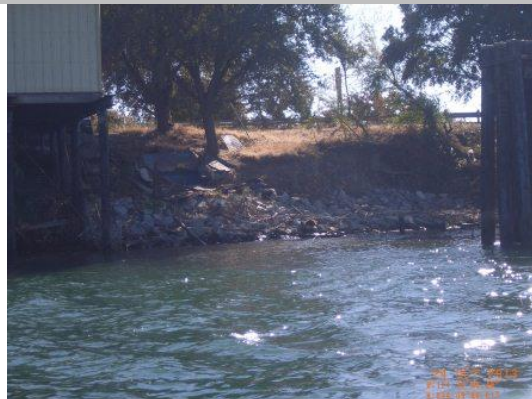
2017 Field Notes: More rock has been placed in spots along the toe, but it is still insufficient.

Site History: 2009 - Fluvial erosion, into the levee slope, close to vertical bank with roadway on top. Pilings that were once at the bankline are now 30 ft out. 2010 - Very steep slope with slumps and overturned trees. 2011 - Upgraded to CRITICAL. Sections of vertical slope with highway on top. Heavy vegetation in front of most of the erosion pockets. Structures built into the levee on the upstream end. 2012 - Site continues to worsen. 2013 - Some rock added on the upstream end, but site remains critical.

2018: Site with erosion almost into roadway still there. Keep as critical.

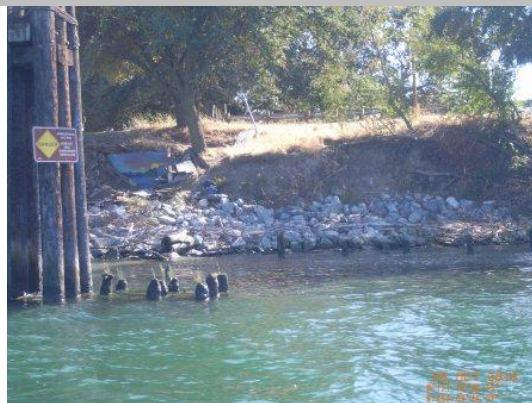
LM Start	3.43	Rating **	U	Issue No.	75 (cont)
LM End	3.56	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2021_NA0002_63_75_20210226_00023.jpg



USACE 2013 Photo #1

Photo 2 of 2 : SP_2021_NA0002_63_75_20210226_00024.jpg



USACE 2013 Photo #2

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.44	Rating **	M	Issue No.	21	
LM End	3.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.162473 °	38.162473 °	
				-121.613963 °	-121.613963 °	
DWR ID	21893					
Comment Code						
Inspector Comment						
FS_ID:12746 DS_ID:21893 EP_NO: 11275 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be abandoned properly. Pipe open on both ends. FIELD_STRUCT_DESC: 8-inch irrigation pipe of an unknown material through the levee, 7.7 feet below the crown. Pump in pump house on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 11275, 1975 - M. R. V., Inc., Isleton Motel). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 17.3) (Reclamation District No. 2067) steel pipe listed]. FS Date: 4/24/2013						

LM Start	3.44	Rating **	M	Issue No.	21 (cont)
LM End	3.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_12746_20686.jpg



Pipe and pump visible on WS slope

Photo 2 of 3 : UCIP_SP_2021_12746_20685.jpg



Pipe visible on LS slope near toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.44	Rating **	M	Issue No.	21 (cont)
LM End	3.44	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.162473 °	38.162473 °	
			-121.613963 °	-121.613963 °	
DWR ID	21893				

Photo 3 of 3 : UCIP_SP_2021_12746_20684.jpg



Pipe and pump on WS toe.

LM Start	3.47	Rating **	M	Issue No.	101
LM End	3.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.162492 °	38.162600 °
				-121.614521 °	-121.615667 °
DWR ID	DWR_NA0002_02_s_2014_101				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_101_20210226_00040.jpg



Looking at dense landscaping on landward slope.

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.70	Rating **	M	Issue No.	22
LM End	3.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.163048 °	38.163048 °
				-121.618839 °	-121.618839 °
DWR ID	21895				
Comment Code					
Inspector Comment					
FS_ID:12748 DS_ID:21895 EP_NO: 1615 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be abandoned properly. FIELD_STRUCT_DESC: 8-inch irrigation pipe of an unknown material through the levee, 7.7 feet below the crown. 6-foot by 6-foot concrete distribution box on the LS toe. (Permit No. 1615, 1951 - Jones and Miller). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 17.0) (Reclamation District No. 2067) steel pipe listed]. FS Date: 4/24/2013					

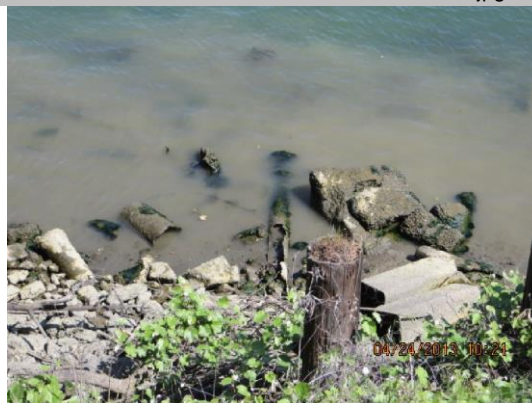
Photo 1 of 2 : UCIP_SP_2021_12748_20692.jpg



Concrete distribution box on LS toe.

LM Start	3.70	Rating **	M	Issue No.	22 (cont)
LM End	3.70	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2021_12748_20691.jpg



Rusted out pipe visible at WS toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.92	Rating **	M	Issue No.	108
LM End	3.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.164020 °	38.164020 °
				-121.622641 °	-121.622641 °
DWR ID	DWR_NA0002_02_s_ 2019_108				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Move irrigation pipe 10 feet away from landside toe.					

Photo 1 of 1 : SP_2021_NA0002_63_108_20210226_00042.jpg



View of irrigation pipe at landside toe (Spring 2019).

LM Start	3.92	Rating **	U	Issue No.	98
LM End	3.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.164019 °	38.164019 °
				-121.622642 °	-121.622642 °
DWR ID	DWR_NA0002_02_s_ 2019_98				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove arundo from the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_98_20210226_00038.jpg



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

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.92	Rating **	M	Issue No.	23	
LM End	3.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.164063 °		38.164063 °
				-121.622650 °		-121.622650 °
DWR ID	21898					
Comment Code						
Inspector Comment						
FS_ID:12752 DS_ID:21898 EP_NO: 11287 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Aging pipe with repair on WS slope. Good candidate for vidio inspection. FIELD_STRUCT_DESC: 5-inch irrigation pipe of an unknown material through the levee, 5.5 feet below the crown. Pump in pump house on the landside (LS). Shutoff valve in pump house on the LS toe. (Automatic Board Order (ABO) issued as Permit No. 11287, 1975 - Norman Silva). [Additional Reference(s): DWR Levee Log, 2005, 6-inch pipe listed. USACE Sacramento O&M Manual 102, April 1959, (RM 16.8) (Reclamation District No. 2067) 6-inch steel pipe listed]. FS Date: 4/24/2013						

LM Start	3.92	Rating **	M	Issue No.	23 (cont)
LM End	3.92	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_12752_20699.jpg



Pipe and pump house on LS.

Photo 2 of 3 : UCIP_SP_2021_12752_20698.jpg



Pump and shutoff valve inside pump house on LS toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	3.92	Rating **	M	Issue No.	23 (cont)
LM End	3.92	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.164063 °	38.164063 °	
			-121.622650 °	-121.622650 °	
DWR ID	21898				

Photo 3 of 3 : UCIP_SP_2021_12752_20697.jpg



Pipe visible in water at left of tree.

LM Start	4.05	Rating **	M	Issue No.	24
LM End	4.05	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.164727 °	38.164727 °	
			-121.624869 °	-121.624869 °	
DWR ID	21902				

Comment Code

Inspector Comment

FS_ID:12764
DS_ID:21902
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Not Found
UCIP Comments: Need to determine disposition of this crossing.
FIELD_STRUCT_DESC: 48-inch by 48-inch concrete tunnel of an unknown purpose through the levee, 5 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 102, April 1959, (RM 16.7) (Reclamation District No. 2067) abandoned].
FS Date: 4/24/2013

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.06	Rating **	U	Issue No.	59
LM End	4.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.164728 °	38.165167 °
				-121.624949 °	-121.626273 °
DWR ID	DWR_NA0002_02_s_ 2012_59				
Comment Code					
V6 : Landscaping					
Inspector Comment					

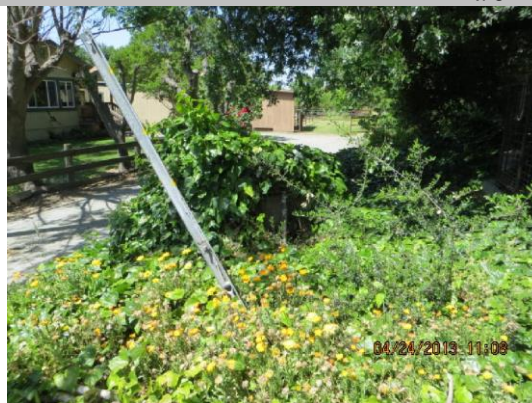
Photo 1 of 1 : SP_2021_NA0002_63_59_20210226_00014.jpg



Looking west at dense landscaping on landward slope.

LM Start	4.11	Rating **	M	Issue No.	27	
LM End	4.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.165016 °	38.165016 °	
				-121.625834 °	-121.625834 °	
DWR ID	21904					
Comment Code						
Inspector Comment						
FS_ID:12768 DS_ID:21904 EP_NO: 787 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe may be abandoned and should be done so properly if not being used. Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation pipe through the levee, 4.2 feet below the crown. Pump on pile structure in stream. (Permit No. 787, 1939 - J. E. Silva, et al.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 16.6) (Reclamation District No. 2067)]. FS Date: 4/24/2013						

Photo 1 of 3 : UCIP_SP_2021_12768_20731.jpg



Concrete distribution box at LS toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.11	Rating **	M	Issue No.	27 (cont)
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.165016 °	38.165016 °	
			-121.625834 °	-121.625834 °	
DWR ID	21904				

Photo 2 of 3 : UCIP_SP_2021_12768_20730.jpg



Pipe on LS slope.

LM Start	4.11	Rating **	M	Issue No.	27 (cont)
LM End	4.11	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_12768_20729.jpg



Pipe on WS slope.

LM Start	4.29	Rating **	U	Issue No.	169
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.166258 °	38.166258 °
				-121.628717 °	-121.628717 °
DWR ID	DWR_NA0002_02_f _ 2018_169				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the downed tree limb from the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_169_20210426_00158.jpg



View of down tree limb on the landside slope (Spring 2021).

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.29	Rating **	M	Issue No.	113
LM End	4.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.166335 °	38.166335 °
				-121.628785 °	-121.628785 °
DWR ID	DWR_NA0002_02_f _ 2019_113				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside slope.					

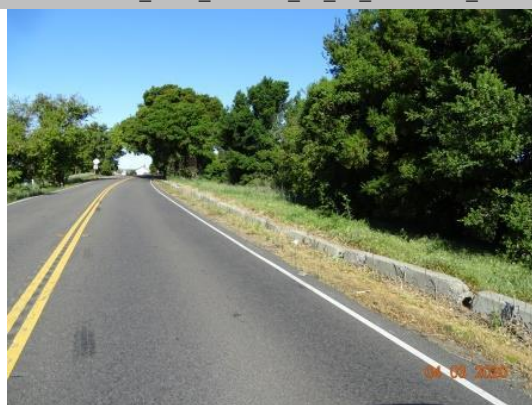
No Photos

LM Start	4.42	Rating **	M	Issue No.	123
LM End	4.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.167027 °	38.167027 °
				-121.630916 °	-121.630916 °
DWR ID	DWR_NA0002_02_s_2020_123				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	4.43	Rating **	A/W	Issue No.	80
LM End	4.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.167094 °	38.167171 °
				-121.631101 °	-121.631693 °
DWR ID	DWR_NA0002_02_s_2020_80				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete blocks placed to deter parking on waterside of crown.					

Photo 1 of 1 : SP_2021_NA0002_63_80_20210226_00029.jpg



View looking downstream concrete blocks used to block parking on the waterside slope (Spring 2020).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.46	Rating **	U	Issue No.	88
LM End	4.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.167132 °	38.167132 °
				-121.631592 °	-121.631592 °
DWR ID	DWR_NA0002_02_f_2019_88				
Comment Code					
BU : Building					
Inspector Comment					
Storage container is located at the landside toe.					

Photo 1 of 1 : SP_2021_NA0002_63_88_20210226_00033.jpg



View of storage container at the landside toe (Fall 2019).

LM Start	4.47	Rating **	M	Issue No.	125
LM End	4.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.167118 °	38.167118 °
				-121.631709 °	-121.631709 °
DWR ID	DWR_NA0002_02_f_2017_125				
Comment Code					
PR : Prunings					
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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.48	Rating **	M	Issue No.	28	
LM End	4.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.167174 °		38.167174 °
				-121.631927 °		-121.631927 °
DWR ID	21907					
Comment Code						
Inspector Comment						
FS_ID:16010 DS_ID:21907 EP_NO: 11274 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be abandoned properly if not already done so. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 10-inch irrigation pipe of an unknown material through the levee, 6.6 feet below the crown. Pump in pump house on the landside (LS) slope. Pump house not visible, 4/24/2013. (Automatic Board Order (ABO) issued as Permit No. 11274, 1975 - Henry Martin). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 16.2) (Reclamation District No. 2067) steel pipe listed]. FS Date: 4/24/2013						

LM Start	4.48	Rating **	M	Issue No.	28 (cont)
LM End	4.48	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_16010_27085.jpg



Possible portion of pumphouse visible off WS toe.

Photo 2 of 3 : UCIP_SP_2021_16010_27087.jpg



JP and meter on LS slope at location of abandoned pipe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.48	Rating **	M	Issue No.	28 (cont)
LM End	4.48	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.167174 °	38.167174 °	
			-121.631927 °	-121.631927 °	
DWR ID	21907				

Photo 3 of 3 : UCIP_SP_2021_16010_27086.jpg



Abandoned pipe on LS slope.

LM Start	4.78	Rating **	M	Issue No.	29
LM End	4.78	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.168744 °	38.168744 °	
			-121.637155 °	-121.637155 °	
DWR ID	21908				

Comment Code

Inspector Comment

FS_ID:12773
 DS_ID:21908
 EP_NO: 11285
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pit under pipe on WS shoulder - possible leak.
 Excavation of pipe on LS slope into levee prism.
 FIELD_STRUCT_DESC: 20-inch irrigation pipe of an unknown material, sleeved through a 22-inch, sleeved through a 24-inch pipe, through the levee, 3 feet below the crown. Pump on the landside (LS). Small pump on the LS shoulder and a 7-foot by 9-foot concrete sump on the LS toe.
 (Automatic Board Order (ABO) issued as Permit No. 11285, 1975 - Manuel Silva). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 15.9) (Reclamation District No. 2067) steel pipe listed].
 FS Date: 5/2/2013

Photo 1 of 3 : UCIP_SP_2021_12773_20740.jpg



Small pump on LS shoulder with concrete distribution box on LS toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.78	Rating **	M	Issue No.	29 (cont)
LM End	4.78	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.168744 °	38.168744 °	
			-121.637155 °	-121.637155 °	
DWR ID	21908				

Photo 2 of 3 : UCIP_SP_2021_12773_20739.jpg



20-inch pipe sleeved through 22-inch pipe sleeved through a 24-inch steel pipe.

LM Start	4.78	Rating **	M	Issue No.	29 (cont)
LM End	4.78	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_12773_20738.jpg



Pipe on LS slope with excavation in levee prism.

LM Start	4.81	Rating **	U	Issue No.	128
LM End	4.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.168831 °	38.169583 °
				-121.637619 °	-121.640698 °
DWR ID	DWR_NA0002_02_f_2019_128				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Multiple large squirrel holes.					

Photo 1 of 1 : SP_2021_NA0002_63_128_20210226_00051.jpg



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

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	4.83	Rating **	M	Issue No.	31
LM End	4.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.168887 °	38.168887 °
				-121.637957 °	-121.637957 °
DWR ID	21909				

Comment Code

Inspector Comment

FS_ID:12774
DS_ID:21909
EP_NO: 724
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe open on waterside at fallen down pumphouse. Pipe abandoned. Service pole on LS slope down on ground near broken standpipe. Pipe needs to be properly abandoned.
FIELD_STRUCT_DESC: 10-inch irrigation pipe of an unknown material through the levee, 3.8 feet below the crown. Pump in pump house on the waterside (WS) slope. Service pole on the landside (LS) slope. Replaces a 10-inch pipe at approximately the same location. 32-inch concrete standpipe on the LS toe. 1.5-inch electrical conduit runs parallel to 10-inch pipe. (Permit No. 724, 1937 - California Lands, Inc., and Frank Hodapp). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 15.8) (Reclamation District No. 2067) steel pipe listed].
FS Date: 5/2/2013

LM Start	4.83	Rating **	M	Issue No.	31 (cont)
LM End	4.83	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_12774_20745.jpg



Broken down pumphouse on WS slope.

Photo 2 of 3 : UCIP_SP_2021_12774_20744.jpg



deformed and crushed pipe with 1.5-inch electrical conduit on WS slope.

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

Broken Concrete standpipe on LS toe.

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

View looking downstream at animal holes in the landside slope (Fall 2020).

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	5.32	Rating **	U	Issue No.	91
LM End	5.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.171866 °	38.171866 °
				-121.645684 °	-121.645684 °
DWR ID	DWR_NA0002_02_s_2021_91				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove large fallen tree on landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_91_20210426_00157.jpg



View of large fallen tree on the landside slope (Spring 2021).

LM Start	5.36	Rating **	M	Issue No.	115
LM End	5.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.171892 °	38.171892 °
				-121.646387 °	-121.646387 °
DWR ID	DWR_NA0002_02_f _ 2018_115				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_115_20210226_00045.jpg



View of prunings on the waterside slope (October 2018).

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	5.41	Rating **	M	Issue No.	32
LM End	5.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.171824 °	38.171824 °
				-121.647265 °	-121.647265 °
DWR ID	21910				
Comment Code					
Inspector Comment					
FS_ID:12776 DS_ID:21910 EP_NO: 7089A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole at LS toe over pipe possible sign of leakage. FIELD_STRUCT_DESC: 7-inch drainage pipe of an unknown material through the levee, 13 feet below the crown. Pump in pump house on the landside (LS). 1.5-inch galvanized steel electrical conduit at same location. 4-foot by 6-foot concrete distribution box off the LS toe next to pump house. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 15.3) (Reclamation District No. 2067) steel pipe listed]. FS Date: 5/2/2013					

LM Start	5.41	Rating **	M	Issue No.	32 (cont)
LM End	5.41	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_12776_20754.jpg



Pipe and electrical conduit on WS slope.

Photo 2 of 3 : UCIP_SP_2021_12776_20753.jpg



Pump on pier at WS toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	5.41	Rating **	M	Issue No.	32 (cont)
LM End	5.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.171824 °	38.171824 °
				-121.647265 °	-121.647265 °
DWR ID	21910				

Photo 3 of 3 : UCIP_SP_2021_12776_20752.jpg



Pipe under pier.

LM Start	5.43	Rating **	M	Issue No.	121
LM End	5.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.171837 °	38.171837 °
				-121.647735 °	-121.647735 °
DWR ID	DWR_NA0002_02_f_2018_121				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.64	Rating **	C	Issue No.	61
LM End	5.64	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.172251 °	38.172251 °
				-121.651491 °	-121.651491 °
DWR ID	DWR_NA0002_02_f_2020_61				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	5.66	Rating **	M	Issue No.	66
LM End	5.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.172395 °	38.172505 °
				-121.651855 °	-121.652231 °
DWR ID	DWR_NA0002_02_s_2021_66				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo on waterside slope.					

No Photos

LM Start	5.77	Rating **	M	Issue No.	33	
LM End	5.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.172940 °		38.172940 °
				-121.653700 °		-121.653700 °
DWR ID	21912					
Comment Code						
Inspector Comment						
FS_ID:12778 DS_ID:21912 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned. Erosion on WS slope at location where pipe should be. FIELD_STRUCT_DESC: *ABANDONED* 12-inch drainage pipe of an unknown material through the levee, 13 feet below the crown. Pump and gate valve in pump house at the landside (LS) toe. 1.5-inch electrical conduit along pipe at same location. 42-inch concrete standpipe at the LS toe. [Additional Reference(s): USACE Sacramento O&M Manual 102, April 1959, (RM 14.8) (Reclamation District No. 2067) steel pipe listed FS Date: 5/2/2013						

Photo 1 of 3 : UCIP_SP_2021_12778_20762.jpg



Conduit at WS toe.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	5.77	Rating **	M	Issue No.	33 (cont)
LM End	5.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.172940 °	38.172940 °
				-121.653700 °	-121.653700 °
DWR ID	21912				

Photo 2 of 3 : UCIP_SP_2021_12778_20761.jpg



Erosion along pipe alignment at WS slope.

LM Start	5.77	Rating **	M	Issue No.	33 (cont)
LM End	5.77	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2021_12778_20760.jpg



Concrete standpipe and pump on LS toe.

LM Start	5.87	Rating **	M	Issue No.	72
LM End	6.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.173517 °	38.169776 °
				-121.655413 °	-121.668859 °
DWR ID	DWR_NA0002_02_s_2021_72				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	6.06	Rating **	M	Issue No.	73
LM End	6.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174697 °	38.174697 °
				-121.658474 °	-121.658474 °
DWR ID	DWR_NA0002_02_s_2021_73				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo on the waterside slope.					

No Photos

LM Start	6.07	Rating **	U	Issue No.	122
LM End	6.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.174655 °	38.174655 °
				-121.658643 °	-121.658643 °
DWR ID	DWR_NA0002_02_f_2019_122				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Multiple large squirrel holes.					

Photo 1 of 1 : SP_2021_NA0002_63_122_20210226_00049.jpg



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

LM Start	6.12	Rating **	M	Issue No.	103
LM End	6.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174670 °	38.174413 °
				-121.659592 °	-121.660623 °
DWR ID	DWR_NA0002_02_f _ 2015_103				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	6.12	Rating **	U	Issue No.	130
LM End	6.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174625 °	38.174625 °
				-121.659661 °	-121.659661 °
DWR ID	DWR_NA0002_02_f _ 2018_130				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	6.20	Rating **	M	Issue No.	34	
LM End	6.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.174308 °	38.174308 °	
				-121.661105 °	-121.661105 °	
DWR ID	21913					
Comment Code						
Inspector Comment						
FS_ID:12779 DS_ID:21913 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to locate due to excessive vegetation. FIELD_STRUCT_DESC: *ABANDONED* 8-inch pipe of an unknown material or purpose through the levee, at low elevation. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 5/2/2013						

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	6.24	Rating **	M	Issue No.	84
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.174143 °	38.174143 °
				-121.661659 °	-121.661659 °
DWR ID	DWR_NA0002_02_f _ 2017_84				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree on the landside.					

Photo 1 of 1 : SP_2021_NA0002_63_84_20210226_00032.jpg



View looking downslope at burned tree on the landside slope (Fall 2020).

LM Start	6.27	Rating **	M	Issue No.	50
LM End	6.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.173922 °	38.173832 °
				-121.662272 °	-121.662550 °
DWR ID	DWR_NA0002_02_s_2013_50				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_50_20210426_00156.jpg



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

LM Start	6.32	Rating **	U	Issue No.	13
LM End	6.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.173697 °	38.173697 °
				-121.663082 °	-121.663082 °
DWR ID	DWR_NA0002_02_s_2017_13				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_13_20210226_00004.jpg



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

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	6.46	Rating **	M	Issue No.	118
LM End	6.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.172678 °	38.172678 °
				-121.665280 °	-121.665280 °
DWR ID	DWR_NA0002_02_f_2019_118				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_118_20210226_00046.jpg



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

LM Start	6.82	Rating **	M	Issue No.	87
LM End	7.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.168776 °	38.159011 °
				-121.669435 °	-121.675239 °
DWR ID	DWR_NA0002_02_s_2021_87				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.98	Rating **	U	Issue No.	71
LM End	7.04	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.166583 °	38.165794 °
				-121.670684 °	-121.671014 °
DWR ID	DWR_NA0002_02_f_2018_71				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 13.6 L					
Status: Critical					
2017 Field Notes: upgraded to critical. nearly vertical face from levee hinge. trees with large root balls likely to fail.					
Site History: 2011 - Large section of bank slumped off.					

Photo 1 of 1 : SP_2021_NA0002_63_71_20210226_00022.jpg



USACE 2013 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.02	Rating **	U	Issue No.	35
LM End	7.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.165949 °	38.165949 °
				-121.670638 °	-121.670638 °
DWR ID	21916				

Comment Code

Inspector Comment

FS_ID:53390
DS_ID:21916
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/12/2018 Holes on pipe visible where it daylightes on WS, and inside of concrete box on LS. Pipe is opened on WS. Recommend internal inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)10/24/2016 same as previous inspection pipe is opened on the WS. The crossing remains "Urgent" due WS end open. Crossing appears abandoned--need to contact owner to determine status. If crossing is no longer in use owner will need to coordinate with the CVFPB to comply with Title 23. (O. Magana - DWR UCIP)05/02/2013 Pipe open on WS. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through levee 8.7 feet below crown. Pipe measures 8-inch inner diameter (ID) and 10-inch outer diameter (OD). A 5-foot by 5-foot concrete distribution box is located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (RM 13.6)].
FS Date: 7/12/2018 3:23:49 PM

LM Start	7.02	Rating **	U	Issue No.	35 (cont)
LM End	7.02	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_53390_27090.jpg



Pipe open on WS slope.

Photo 2 of 3 : UCIP_SP_2021_53390_27091.jpg



5X5 concrete distribution box at LS toe

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.02	Rating **	U	Issue No.	35 (cont)
LM End	7.02	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.165949 °	38.165949 °	
			-121.670638 °	-121.670638 °	
DWR ID	21916				

Photo 3 of 3 : UCIP_SP_2021_53390_76478.jpg



View of levee crown and WS slope at pipe crossing.

LM Start	7.24	Rating **	M	Issue No.	107
LM End	7.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.162931 °	38.162931 °
				-121.672046 °	-121.672046 °
DWR ID	DWR_NA0002_02_s_2020_107				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove limb from landside hinge.					

No Photos

LM Start	7.37	Rating **	U	Issue No.	111
LM End	7.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.161348 °	38.161348 °
				-121.673138 °	-121.673138 °
DWR ID	DWR_NA0002_02_f_2019_111				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Multiple large active squirrel holes.					

Photo 1 of 1 : SP_2021_NA0002_63_111_20210226_00044.jpg



View of multiple recent squirrel holes on the landside slope (Fall 2019).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.45	Rating **	M	Issue No.	36	
LM End	7.45	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.160387 °		38.160387 °
				-121.673972 °		-121.673972 °
DWR ID	21918					
Comment Code						
Inspector Comment						
FS_ID:12814 DS_ID:21918 EP_NO: 11293 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion or sinkhole on WS shoulder. Does not appear to be an immediate threat. FIELD_STRUCT_DESC: 2 of 2: 16-inch irrigation pipe of an unknown material through the levee, 7.1 feet below the crown. Pump and service pole on the landside (LS) slope. 72-inch concrete standpipe at the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 11293, 1975 - John Wilcox). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 13.0) (Reclamation District No. 2067) steel pipe listed]. FS Date: 5/2/2013						

LM Start	7.45	Rating **	M	Issue No.	36 (cont)
LM End	7.45	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_12814_20821.jpg



Erosion/sinkhole over pipe on WS slope.

Photo 2 of 3 : UCIP_SP_2021_12814_20820.jpg



Pipe on WS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.45	Rating **	M	Issue No.	36 (cont)
LM End	7.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.160387 °	38.160387 °
				-121.673972 °	-121.673972 °
DWR ID	21918				

Photo 3 of 3 : UCIP_SP_2021_12814_20819.jpg



Pipe and pump on LS shoulder.

LM Start	7.49	Rating **	M	Issue No.	37
LM End	7.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.159940 °	38.159940 °
				-121.674430 °	-121.674430 °
DWR ID	21920				

Comment Code

Inspector Comment

FS_ID:12817
 DS_ID:21920
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe should be abandoned properly.
 FIELD_STRUCT_DESC: 3-inch pipe of an unknown material or purpose through the levee, 7.7 feet below the crown. Inactive service pole on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005].
 FS Date: 5/2/2013

Photo 1 of 2 : UCIP_SP_2021_12817_20825.jpg



3.5-inch galvanized iron pipe on LS slope.

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.49	Rating **	M	Issue No.	37 (cont)
LM End	7.49	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.159940 °	38.159940 °	
			-121.674430 °	-121.674430 °	
DWR ID	21920				

Photo 2 of 2 : UCIP_SP_2021_12817_20824.jpg



3.5-inch galvanized iron pipe on LS slope.

LM Start	7.57	Rating **	U	Issue No.	90
LM End	7.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.159011 °	38.159011 °
				-121.675239 °	-121.675239 °
DWR ID	DWR_NA0002_02_s_2019_90				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope instability causing edge of road to crack and slip. Two larger cracks from 2019.					

Photo 1 of 1 : SP_2021_NA0002_63_90_20210226_00034.jpg



View of small slip on the landside shoulder causing the edge of the road to crack and sink (Fall 2020).

LM Start	7.60	Rating **	U	Issue No.	49
LM End	7.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.158555 °	38.156797 °
				-121.675595 °	-121.678955 °
DWR ID	DWR_NA0002_02_f_2020_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_49_20210426_00152.jpg



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

*** 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

Brannan Andrus Levee Maintenance District

* 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

Brannan Andrus Levee Maintenance District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.85	Rating **	M	Issue No.	54
LM End	8.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.156377 °	38.151670 °
				-121.679257 °	-121.681993 °
DWR ID	DWR_NA0002_02_f_2020_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.85	Rating **	M	Issue No.	55
LM End	8.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.156377 °	38.151670 °
				-121.679258 °	-121.681993 °
DWR ID	DWR_NA0002_02_f_2020_55				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**** Rating**
 A : Acceptable 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.93	Rating **	M	Issue No.	38	
LM End	7.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.155494 °		38.155494 °
				-121.679988 °		-121.679988 °
DWR ID	21925					
Comment Code						
Inspector Comment						
FS_ID:12869 DS_ID:21925 EP_NO: 2795 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space between PVC pipe and 12-inch steel pipe has not been sealed. FIELD_STRUCT_DESC: 20-inch irrigation pipe of an unknown material through the levee, 3 feet below the crown. 8-inch polyvinyl chloride pipe sleeved through a 12-inch pipe that is sleeved through the 20-inch. Annular space grouted between two metal pipes. Pump and butterfly valve in pump house on the waterside (WS) slope. 36-inch concrete standpipe and filters on the landside (LS) toe. (Permit No. 2795, 1958 - M. B. McKinnon). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 5/3/2013						

LM Start	7.93	Rating **	M	Issue No.	38 (cont)
LM End	7.93	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_12869_20933.jpg



PVC pipe, filters, and concrete standpipe on LS.

Photo 2 of 3 : UCIP_SP_2021_12869_20932.jpg



Pumphouse and pipe on WS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	7.93	Rating **	M	Issue No.	38 (cont)
LM End	7.93	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.155494 °	38.155494 °	
			-121.679988 °	-121.679988 °	
DWR ID	21925				

Photo 3 of 3 : UCIP_SP_2021_12869_20931.jpg



PVC pipe sleeved through 12-inch steel pipe on WS slope.

LM Start	7.94	Rating **	U	Issue No.	56
LM End	7.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.155375 °	38.155375 °
				-121.680065 °	-121.680065 °
DWR ID	DWR_NA0002_02_f_2020_56				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	8.03	Rating **	U	Issue No.	60
LM End	8.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.154176 °	38.154176 °
				-121.680721 °	-121.680721 °
DWR ID	DWR_NA0002_02_f _ 2020_60				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Chopped up tree trunk on the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_60_20210226_00015.jpg



View of chopped up tree trunk on the landside slope (Fall 2020).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	8.15	Rating **	M	Issue No.	39	
LM End	8.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.152550 °		38.152550 °
				-121.681560 °		-121.681560 °
DWR ID	21926					
Comment Code						
Inspector Comment						
FS_ID:16143						
DS_ID:21926						
EP_NO: 8661						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Dip in crown over alignment of pipe. Good candidate for video inspection.						
FIELD_STRUCT_DESC: 8-inch irrigation pipe of an unknown material through the levee, 3.7 feet below the crown. Pump in pump house on the landside (LS) slope. Service pole and 30-inch concrete standpipe at the LS toe (Automatic Board Order (ABO) issued as Permit No. 8661, 1972 - Jesse Marks). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 12.2) (Reclamation District No. 2067) steel pipe listed].						
FS Date: 5/3/2013						

LM Start	8.15	Rating **	M	Issue No.	39 (cont)
LM End	8.15	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2021_16143_27242.jpg



Pump and butterfly valve in pumphouse on LS toe.

Photo 2 of 3 : UCIP_SP_2021_16143_27241.jpg



Pumphouse with concrete standpipe in background on LS toe.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	8.15	Rating **	M	Issue No.	39 (cont)
LM End	8.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.152550 °	38.152550 °
				-121.681560 °	-121.681560 °
DWR ID	21926				

Photo 3 of 3 : UCIP_SP_2021_16143_27240.jpg



Pipe on WS slope.

LM Start	8.17	Rating **	U	Issue No.	92
LM End	8.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.152255 °	38.152255 °
				-121.681607 °	-121.681607 °
DWR ID	DWR_NA0002_02_f _ 2019_92				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove arundo on the waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_92_20210426_00154.jpg



View of arundo on the waterside slope (Spring 2021).

*** 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	8.20	Rating **	U	Issue No.	70
LM End	8.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.151867 °	38.148711 °
				-121.682201 °	-121.682790 °
DWR ID	DWR_NA0002_02_f_2018_70				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 12.1 L					
Status: Critical					
2017 Field Notes: Continues to worsen and threaten the road.					
Site History: 2010 - Small inlet area behind a man-built spit. Bank is slumping and could possibly be fixed with maintenance. 2011 - Site continues to worsen. 2015 - Upgraded to CRITICAL. 2016 - Site continues to get worse.					

Photo 1 of 1 : SP_2021_NA0002_63_70_20210226_00021.jpg



USACE 2013 Photo #1

LM Start	8.32	Rating **	U	Issue No.	158
LM End	8.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.150168 °	38.149698 °
				-121.682159 °	-121.682255 °
DWR ID	DWR_NA0002_02_f _ 2018_158				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the downed trees from landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_158_20210226_00056.jpg



View of down tree on landside slope (October 2018).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	8.34	Rating **	M	Issue No.	151
LM End	8.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.149773 °	38.149383 °
				-121.682335 °	-121.682392 °
DWR ID	DWR_NA0002_02_f _ 2018_151				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	8.40	Rating **	U	Issue No.	157
LM End	8.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.148959 °	38.148959 °
				-121.682385 °	-121.682385 °
DWR ID	DWR_NA0002_02_f _ 2019_157				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the downed tree from the landside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_157_20210226_00055.jpg



View of downed tree on landside slope (October 2018).

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	8.55	Rating **	M	Issue No.	41
LM End	8.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.146784 °	38.146784 °
				-121.682780 °	-121.682780 °
DWR ID	21929				
Comment Code					
Inspector Comment					
FS_ID:12886 DS_ID:21929 EP_NO: 842 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine disposition of pipe. FIELD_STRUCT_DESC: 12-inch gas pipeline of an unknown material through the levee, 3 feet below the crown. Gas line marker and vent on the waterside (WS) shoulder. (Permit No. 842, 1940 - PG&E). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 5/3/2013					

Photo 1 of 2 : UCIP_SP_2021_12886_20946.jpg



Gasline marker and vent to right of JP.

LM Start	8.55	Rating **	M	Issue No.	41 (cont)
LM End	8.55	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2021_12886_20945.jpg



Gasline marker and vent to right of JP.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	8.66	Rating **	M	Issue No.	110
LM End	8.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.145235 °	38.145235 °
				-121.683133 °	-121.683133 °
DWR ID	DWR_NA0002_02_f_2019_110				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	8.78	Rating **	M	Issue No.	112
LM End	8.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.143616 °	38.142375 °
				-121.683677 °	-121.684195 °
DWR ID	DWR_NA0002_02_s_2020_112				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	8.96	Rating **	U	Issue No.	69
LM End	9.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.141399 °	38.136227 °
				-121.685346 °	-121.687361 °
DWR ID	DWR_NA0002_02_f_2018_69				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 11.2 L					
Status: Critical					
2017 Field Notes: New slump section. Erosion under the road has enlarged.					
Site History: 2008 - Erosion causing vertical bank at the highway on top of levee. The whole bank along the highway should be repaired.					
2009 - Minimal new erosion. 2011 - Bank continues to slowly erode.					
2012 - Upgrade to critical, new erosion since lat year and steeper slopes in sections. 2015 - Road foundation and cables exposed.					
Extremely large tree with exposed roots looks likely to fail and take out a significant portion of the levee. 2016 - Site continues to erode.					

Photo 1 of 1 : SP_2021_NA0002_63_69_20210226_00020.jpg



USACE 2013 Photo #1

LM Start	9.02	Rating **	M	Issue No.	42	
LM End	9.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.140391 °	38.140391 °	
				-121.685266 °	-121.685266 °	
DWR ID	21941					
Comment Code						
Inspector Comment						
FS_ID:12927 DS_ID:21941 EP_NO: 16014 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe. FIELD_STRUCT_DESC: 1 of 2: 12-inch steel irrigation pipe through the levee, 2 feet below the crown. Pump on the waterside (WS). Concrete riser unit on the landside (LS). (Permit No. 16014, 1993 - Dorothy Funez). FS Date: 5/3/2013						

No Photos

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	9.02	Rating **	M	Issue No.	43
LM End	9.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.140391 °	38.140391 °
				-121.685266 °	-121.685266 °
DWR ID	21963				
Comment Code					
Inspector Comment					
FS_ID:12928 DS_ID:21963 EP_NO: 16014 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of utility. FIELD_STRUCT_DESC: 2 of 2: Electrical conduit of an unknown size or material through the levee, 2 feet below the crown. Pump on the waterside (WS). Concrete riser unit on the landside (LS). (Permit No. 16014, 1993 - Dorothy Funez). FS Date: 5/3/2013					

No Photos

LM Start	9.06	Rating **	U	Issue No.	152
LM End	9.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.139863 °	38.139862 °
				-121.685617 °	-121.685620 °
DWR ID	DWR_NA0002_02_f_2018_152				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove arundo from the waterside slope.					

Photo 1 of 1 : SP_2021_NA0002_63_152_20210226_00054.jpg



View of arundo on waterside slope (October 2018).

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	9.06	Rating **	U	Issue No.	57
LM End	9.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.139722 °	38.139722 °
				-121.685524 °	-121.685524 °
DWR ID	DWR_NA0002_02_s_2021_57				
Comment Code					
DE : Debris					
Inspector Comment					
Large dirt piles at the landside toe.					

Photo 1 of 1 : SP_2021_NA0002_63_57_20210426_00155.jpg



View of large dirt piles within 15 feet of landside toe (Spring 2021).

LM Start	9.19	Rating **	M	Issue No.	109
LM End	10.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.138038 °	38.122558 °
				-121.686165 °	-121.690739 °
DWR ID	DWR_NA0002_02_f _ 2019_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_109_20210226_00043.jpg



View looking upstream at vegetation on the landside slope (Fall 2019).

LM Start	9.36	Rating **	U	Issue No.	67
LM End	10.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.135593 °	38.126291 °
				-121.686057 °	-121.688959 °
DWR ID	DWR_NA0002_02_s_2019_67				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There is major ground squirrel burrowing activity along this stretch. The LMA is aware of rock piles near the levee toe and says that is the source of the rodents.					

Photo 1 of 2 : SP_2021_NA0002_63_67_20210226_00017.jpg



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

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	9.36	Rating **	U	Issue No.	67 (cont)
LM End	10.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.135593 °	38.126291 °
				-121.686057 °	-121.688959 °
DWR ID	DWR_NA0002_02_s_2019_67				

Photo 2 of 2 : SP_2021_NA0002_63_67_20210226_00018.jpg



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

LM Start	9.36	Rating **	M	Issue No.	44
LM End	9.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.135584 °	38.135584 °
				-121.686108 °	-121.686108 °
DWR ID	21931				

Comment Code

Inspector Comment

FS_ID:40528
 DS_ID:21931
 EP_NO: 16011
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Annular space between pipes should be grouted. IF abandoned, these pipes should be abandoned properly.
 FIELD_STRUCT_DESC: 18-inch corrugated metal conduit pipe through the levee, 4.5 feet below the crown. Inactive 12-inch pipe sleeved through 18-inch. Both ends open. Siphon breaker and air valve in 24-inch corrugated metal riser unit on the landside (LS) shoulder. 9-foot by 5-foot concrete box with slide gate off LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 102, April 1959, (RM 10.9) (Reclamation District No. 2067) steel pipe listed].
 FS Date: 5/3/2013

Photo 1 of 3 : UCIP_SP_2021_40528_21002.jpg



Pipe on WS slope.

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

Levee Inspection Report By Mile - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	9.36	Rating **	M	Issue No.	44 (cont)	
LM End	9.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.135584 °	38.135584 °	
				-121.686108 °	-121.686108 °	
DWR ID	21931					

Photo 2 of 3 : UCIP_SP_2021_40528_21001.jpg



18-inch CMP with 12-inch irrigation pipe sleeved through it.

LM Start	9.36	Rating **	M	Issue No.	44 (cont)
LM End	9.36	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2021_40528_21000.jpg



Standpipe and concrete box at LS.

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	9.50	Rating **	M	Issue No.	46
LM End	9.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.133512 °	38.133512 °
				-121.685948 °	-121.685948 °
DWR ID	23142				
Comment Code					
Inspector Comment					
FS_ID:16146 DS_ID:23142 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine Permit No. for this crossing. FIELD_STRUCT_DESC: Gas line markers on the landside (LS) toe and waterside (WS) shoulder. FS Date: 5/3/2013					

LM Start	9.50	Rating **	M	Issue No.	46 (cont)
LM End	9.50	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_SP_2021_16146_27251.jpg



Gasline Marker on WS shoulder

Photo 2 of 2 : UCIP_SP_2021_16146_27250.jpg



Gasline Marker on LS shoulder

* 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 - Spring 2021

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	04/26/2021 04/26/2021	David Julian

LM Start	9.78	Rating **	M	Issue No.	68
LM End	9.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.129722 °	38.127672 °
				-121.687468 °	-121.688646 °
DWR ID	DWR_NA0002_02_f_2019_68				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 10.8 L					
Status: Eroding					
2017 Field Notes: Lots of new woody debris recruitment.					
Site History: 2004 - Wave wash pockets approximately 100 ft long with new full bank rock between the pockets. 2005 - Spot repairs, but toe is still eroding in several places. 2006 - Low vertical bank along roadway. 2007 - A PL 84-99 repair was constructed, it cover the majority of the site with the exception of the upstream 150 to 200 ft and the downstream 250 ft, therefore it is being kept in the inventory. 2009 - Minimal new erosion. 2010 - Outboard berm looks good, but the banks are still very steep. 2011 - While the outboard berm is protecting against wave wash, bank still has slumping issues.					

Photo 1 of 1 : SP_2021_NA0002_63_68_20210226_00019.jpg



USACE 2013 Photo #1

LM Start	10.74	Rating **	M	Issue No.	119
LM End	10.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.116906 °	38.116906 °
				-121.694595 °	-121.694595 °
DWR ID	DWR_NA0002_02_f_2017_119				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2021_NA0002_63_119_20210226_00047.jpg



Looking northwest at the waterside slope.

* 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