State of California - Department of Water Resources - Division of Flood Management - Flood Project Inspection & Assessment Section

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 indiction 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	3/11/2022 - 3/11/2022			
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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	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 emegency.					

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**0.02**	Rating **	M	Issue No.	**111**
LM End	**2.25**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.186336 °	38.163508 °
				-121.562998 °	-121.584394 °
DWR ID	DWR_NA0002_01_s _ 2022_111				

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.	**2**
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_2022_62290_89869.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**0.09**	Rating **	M	Issue No.	**2 (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_2022_62290_89875.jpg

Water-Side: View of levee slope looking from crown

LM Start	**0.09**	Rating **	M	Issue No.	**2 (cont)**
LM End	**0.09**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62290_89868.jpg

Water-Side: View of pipe at riverbank

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**0.09**	Rating **	M	Issue No.	**6**
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

Photo 1 of 3 : UCIP_SP_2022_62289_89863.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**0.09**	Rating **	M	Issue No.	**6 (cont)**
LM End	**0.09**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62289_89865.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**0.09**	Rating **	M	Issue No.	**6 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62289_89864.jpg

Land-Side: View of levee slope looking from crown

LM Start	**0.61**	Rating **	M	Issue No.	**8**
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				

Comment Code

Inspector Comment

FS_ID:62295
DS_ID:21752
EP_NO: 2015
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/22/2020 Record remains Non-Urgent. Crossing appears abandoned. Pipe daylights only on waterside slope. Unable to find appurtenances related to the pipe. (O.Yakimov - DWR UCIP) 05/06/2013 This pipe appears abandoned and should be removed. FIELD_STRUCT_DESC: 2-inch galvanized iron wastewater pipe through the levee, 2 feet below the crown. Gas well drain. (2-inch pipe authorized under Permit No. 2015, 1954 - Brazos Oil and Gas Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.56)].
FS Date: 6/22/2020 1:19:06 PM

Photo 1 of 3 : UCIP_SP_2022_62295_89895.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**0.61**	Rating **	M	Issue No.	**8 (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_2022_62295_89896.jpg

Land-Side: View of levee slope looking from crown

LM Start	**0.61**	Rating **	M	Issue No.	**8 (cont)**
LM End	**0.61**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62295_89894.jpg

Water-Side: Pipe daylights on levee slope

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**0.75**	Rating **	U	Issue No.	**9**
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

Photo 1 of 3 : UCIP_SP_2022_62296_89897.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**0.75**	Rating **	U	Issue No.	**9 (cont)**
LM End	**0.75**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62296_89899.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**0.75**	Rating **	U	Issue No.	**9 (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_2022_62296_89898.jpg

Land-Side: View of levee slope looking from crown

LM Start	**0.81**	Rating **	U	Issue No.	**133**
LM End	**0.83**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.182147 °	38.182085 °
				-121.575962 °	-121.576350 °
DWR ID	DWR_NA0002_01_f _ 2021_133				

Comment Code
A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment
Fresh animal holes in the landside toe.

Photo 1 of 1 : SP_2022_NA0002_62_133_20220310_00037.jpg

View of animal holes at the landside toe (Fall 2021).

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**1.22**	Rating **	M	Issue No.	**10**
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_2022_62297_89905.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**1.22**	Rating **	M	Issue No.	**10 (cont)**
LM End	**1.22**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62297_89906.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**1.22**	Rating **	M	Issue No.	**10 (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 3 of 3 : UCIP_SP_2022_62297_89907.jpg

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

LM Start	**1.22**	Rating **	M	Issue No.	**13**
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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

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

There is a ditch at the landside toe.

Photo 1 of 1 : SP_2022_NA0002_62_56_20220310_00019.jpg

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

LM Start	**1.36**	Rating **	M	Issue No.	**14**
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_2022_62299_89908.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**1.36**	Rating **	M	Issue No.	**14 (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 2 of 3 : UCIP_SP_2022_62299_89909.jpg

Water-Side: View of levee slope looking from crown

LM Start	**1.36**	Rating **	M	Issue No.	**14 (cont)**
LM End	**1.36**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62299_89910.jpg

Land-Side: View of levee slope looking from crown

LM Start	**1.46**	Rating **	M	Issue No.	**132**
LM End	**1.46**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174393 °	38.174393 °
				-121.581043 °	-121.581043 °
DWR ID	DWR_NA0002_01_f _ 2021_132				

Comment Code
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.
Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

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	2018 USACE Erosion Survey			38.173410 °	38.173178 °
				-121.580683 °	-121.580622 °
DWR ID	DWR_NA0002_01_s _ 2022_39				

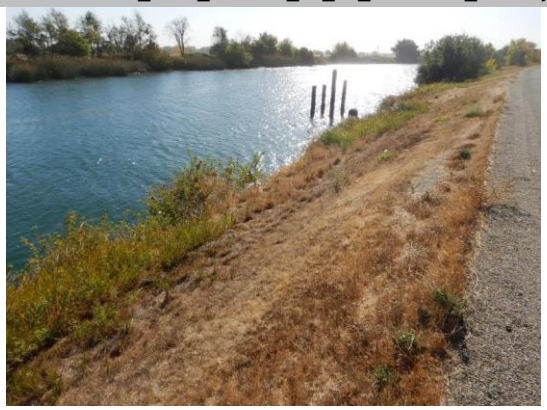
Comment Code

Inspector Comment

2018 Site ID: GEO 5.5 R
Status: Eroding
2018 Field Notes: Site extended downstream.
Site History: 2017 - Failed rock section, slump failure of bank to subvertical face.

LM Start	**1.53**	Rating **	M	Issue No.	**39 (cont)**
LM End	**1.54**	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2022_NA0002_62_39_20220310_00011.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2022_NA0002_62_39_20220310_00012.jpg

USACE 2018 Erosion Photo #2

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**1.54**	Rating **	M	Issue No.	**15**
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

Photo 1 of 3 : UCIP_SP_2022_62300_89912.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**1.54**	Rating **	M	Issue No.	**15 (cont)**
LM End	**1.54**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62300_89913.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**1.54**	Rating **	M	Issue No.	**15 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62300_89914.jpg

Land-Side: CMP riser filled with soil on levee slope

LM Start	**1.54**	Rating **	M	Issue No.	**16**
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				

Comment Code

Inspector Comment

FS_ID:62301
DS_ID:21756
EP_NO: 11252
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 pipe owner to install a riser to protect siphon breaker and filler valve on landside slope. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.3 feet below the crown. 48-inch diameter concrete standpipe at the landside (LS) toe. Siphon breaker on the LS shoulder. (16-inch pipe [HLM 1.55] authorized under Automatic Board Order (ABO) issued as Permit No. 11252, 1975 - Hubert and Palmyra Vandermaele). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.50). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 238+44), listed as 16-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 6, Station 238+44, March 1950].
FS Date: 6/22/2020 8:36:39 AM

Photo 1 of 3 : UCIP_SP_2022_62301_89917.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**1.54**	Rating **	M	Issue No.	**16 (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_2022_62301_89918.jpg

Land-Side: View of levee slope looking from crown

LM Start	**1.54**	Rating **	M	Issue No.	**16 (cont)**
LM End	**1.54**	Issue Type +	En	Location *	

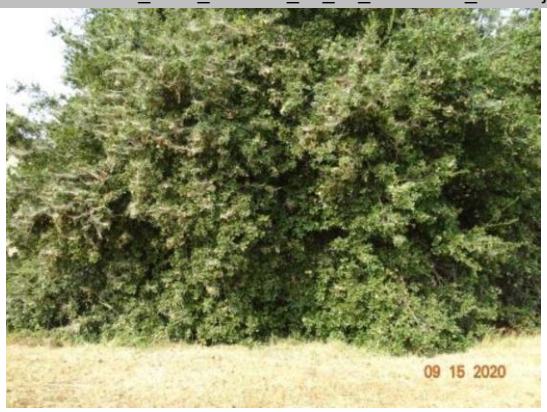
Photo 3 of 3 : UCIP_SP_2022_62301_89921.jpg

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 and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.
Inspector Comment
Tree blocking landside toe.

Photo 1 of 1 : SP_2022_NA0002_62_25_20220310_00008.jpg



View of thick tree on the landside slope (Fall 2020).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	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_2022_NA0002_62_74_20220310_00028.jpg

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

LM Start	**2.03**	Rating **	M	Issue No.	**112**
LM End	**2.25**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166542 °	38.163520 °
				-121.583383 °	-121.584389 °
DWR ID	DWR_NA0002_01_s _ 2022_112				

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.17**	Rating **	M	Issue No.	**17**
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_2022_62304_89930.jpg

Top of Levee: View of levee crown looking downstream

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.17**	Rating **	M	Issue No.	**17 (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_2022_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.	**17 (cont)**
LM End	**2.17**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62304_89932.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.28**	Rating **	M	Issue No.	**18**
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_2022_62305_89937.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**2.28**	Rating **	M	Issue No.	**18 (cont)**
LM End	**2.28**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62305_89939.jpg

Water-Side: Boating dock

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.28**	Rating **	M	Issue No.	**18 (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_2022_62305_89940.jpg

Water-Side: Irrigation pump at boating dock

LM Start	**2.28**	Rating **	M	Issue No.	**19**
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_2022_62306_89941.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.28**	Rating **	M	Issue No.	**19 (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_2022_62306_89942.jpg

Water-Side: Boating dock on waterside

LM Start	**2.28**	Rating **	M	Issue No.	**19 (cont)**
LM End	**2.28**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62306_89943.jpg

Water-Side: View of levee slope looking from toe

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.28**	Rating **	M	Issue No.	**21**
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_2022_62307_89944.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**2.28**	Rating **	M	Issue No.	**21 (cont)**
LM End	**2.28**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62307_89945.jpg

Land-Side: Pipe under walkway on landside

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.28**	Rating **	M	Issue No.	**21 (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_2022_62307_89946.jpg

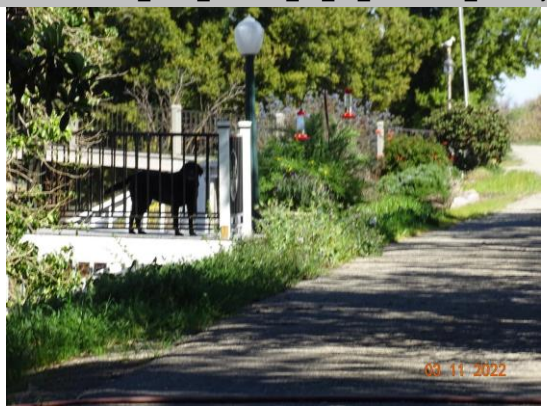
Water-Side: Boating dock on waterside. Pipe is entering ground

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_2022_NA0002_62_36_20220311_00239.jpg



View looking upstream at landscaping on the landside slope (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

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_2022_NA0002_62_58_20220310_00021.jpg

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

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

There is firewood on the waterside shoulder.

Photo 1 of 1 : SP_2022_NA0002_62_3_20220310_00002.jpg

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

LM Start	**2.30**	Rating **	M	Issue No.	**128**
LM End	**2.30**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.162738 °	38.162738 °
				-121.584814 °	-121.584814 °
DWR ID	DWR_NA0002_01_f _ 2021_128				

Comment Code

PR : Prunings

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_62_128_20220310_00035.jpg

View of oleander prunings on the landside hinge (Fall 2021).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.32**	Rating **	M	Issue No.	**22**
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_2022_62308_89949.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**2.32**	Rating **	M	Issue No.	**22 (cont)**
LM End	**2.32**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62308_89950.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.32**	Rating **	M	Issue No.	**22 (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 3 of 3 : UCIP_SP_2022_62308_89951.jpg

Water-Side: View of levee crown looking from crown

LM Start	**2.33**	Rating **	M	Issue No.	**125**
LM End	**2.33**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.162439 °	38.162439 °
				-121.584987 °	-121.584987 °
DWR ID	DWR_NA0002_01_f _ 2021_125				

Comment Code
GA : Garbage

Inspector Comment
Discarded furniture on waterside hinge.

Photo 1 of 1 : SP_2022_NA0002_62_125_20220310_00033.jpg

View of discarded furniture on the waterside hinge (Fall 2021).

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_2022_NA0002_62_50_20220310_00016.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 N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.34**	Rating **	M	Issue No.	**24**
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

Photo 1 of 3 : UCIP_SP_2022_62309_89956.jpg

Water-Side: View of riverbank at the crossing

LM Start	**2.34**	Rating **	M	Issue No.	**24 (cont)**
LM End	**2.34**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62309_89957.jpg

Water-Side: View of levee slope looking from crown

* 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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.34**	Rating **	M	Issue No.	**24 (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_2022_62309_89958.jpg

Land-Side: View of levee slope looking from crown

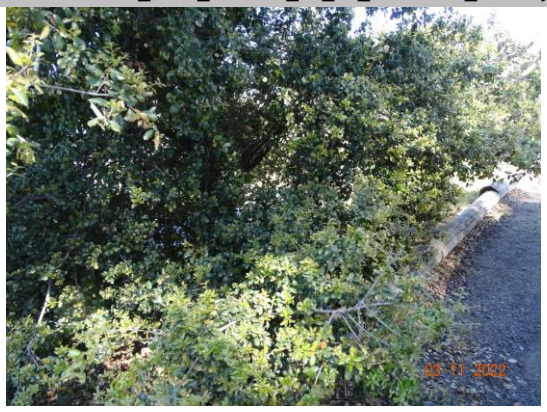
LM Start	**2.34**	Rating **	U	Issue No.	**72**
LM End	**2.34**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.162242 °	38.162242 °
				-121.585058 °	-121.585058 °
DWR ID	DWR_NA0002_01_f _ 2016_72				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_62_72_20220311_00240.jpg



View of thick tree on the landside shoulder (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	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 and woody vegetation 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_2022_NA0002_62_28_20220310_00009.jpg

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

LM Start	**2.50**	Rating **	M	Issue No.	**26**
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

Photo 1 of 3 : UCIP_SP_2022_62311_89963.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.50**	Rating **	M	Issue No.	**26 (cont)**
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				

Photo 2 of 3 : UCIP_SP_2022_62311_89965.jpg

Land-Side: View of levee slope looking from crown

LM Start	**2.50**	Rating **	M	Issue No.	**26 (cont)**
LM End	**2.50**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62311_89964.jpg

Water-Side: View of levee slope looking from crown

LM Start	**2.50**	Rating **	M	Issue No.	**123**
LM End	**3.32**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.160103 °	38.152135 °
				-121.586109 °	-121.591538 °
DWR ID	DWR_NA0002_01_s _ 2022_123				

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	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.54**	Rating **	M	Issue No.	**124**
LM End	**3.04**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.159590 °	38.156006 °
				-121.586332 °	-121.592713 °
DWR ID	DWR_NA0002_01_s _ 2022_124				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**2.55**	Rating **	M	Issue No.	**29**
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				

Comment Code

Inspector Comment

FS_ID:62313
DS_ID:21763
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 4:12:40 PM

Photo 1 of 3 : UCIP_SP_2022_62313_89973.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.55**	Rating **	M	Issue No.	**29 (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_2022_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.	**29 (cont)**
LM End	**2.55**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62313_89974.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.56**	Rating **	M	Issue No.	**30**
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

Photo 1 of 3 : UCIP_SP_2022_62314_89979.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**2.56**	Rating **	M	Issue No.	**30 (cont)**
LM End	**2.56**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62314_89981.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.56**	Rating **	M	Issue No.	**30 (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_2022_62314_89980.jpg

Water-Side: View of levee slope looking from crown

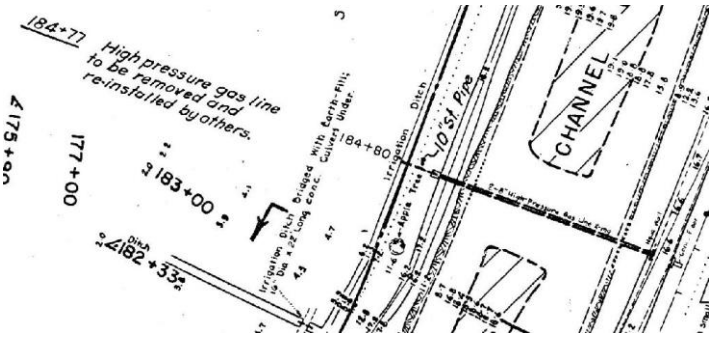
LM Start	**2.56**	Rating **	M	Issue No.	**31**
LM End	**2.56**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.159360 °	38.159360 °
				-121.586486 °	-121.586486 °
DWR ID	21818				

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_2022_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 WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

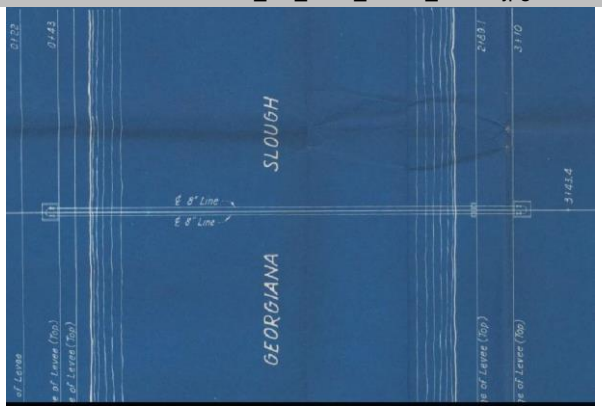
Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.56**	Rating **	M	Issue No.	**31 (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				

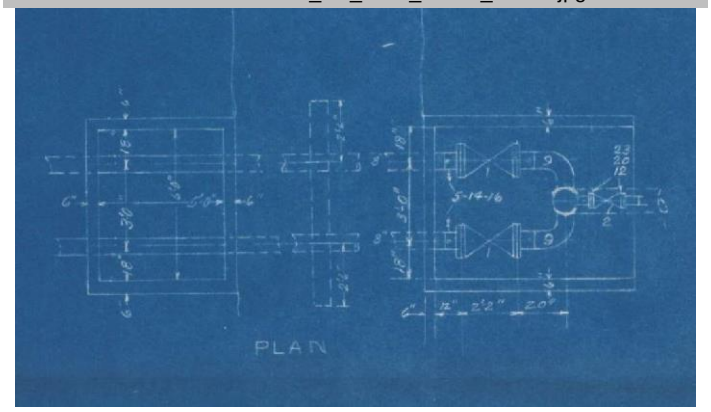
Photo 2 of 3 : UCIP_SP_2022_62315_89984.jpg



Screenshot from Profile Sheet of permit No. 841

LM Start	**2.56**	Rating **	M	Issue No.	**31 (cont)**
LM End	**2.56**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_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 and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.
Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	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
There is a pothole in crown at pipe crossing.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.60**	Rating **	M	Issue No.	**34**
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_2022_62316_89986.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**2.60**	Rating **	M	Issue No.	**34 (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_2022_62316_89987.jpg

Land-Side: View of levee slope looking from crown

LM Start	**2.60**	Rating **	M	Issue No.	**34 (cont)**
LM End	**2.60**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62316_89990.jpg

Land-Side: View of levee slope looking from toe

LM Start	**3.00**	Rating **	U	Issue No.	**53**
LM End	**3.00**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.156537 °	38.156537 °
				-121.592498 °	-121.592498 °
DWR ID	DWR_NA0002_01_f _ 2018_53				

Comment Code
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.
Inspector Comment
Trim willows on the landside slope.

Photo 1 of 1 : SP_2022_NA0002_62_53_20220310_00017.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.01**	Rating **	M	Issue No.	**35**
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				

Comment Code

Inspector Comment

FS_ID:62317
DS_ID:21766
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 06/23/2020 Record remains Non-Urgent. Concrete standpipe on landside was removed. Diesel pump and media filtering facility installed on landside. Unable to find a permit for modification. Recommend owner to install a riser for siphon breaker on waterside shoulder. Pipe is running - no leaks detected. Updated coordinates of crossing. (O.Yakimov - DWR UCIP)
05/16/2013 Appears abandoned
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, at an unknown depth. 5-foot diameter concrete riser unit on the landside (LS) toe. (12-inch pipe authorized under Permit No. 13852, 1984 - A.T.J. Correia & D. Lee). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.97)].
FS Date: 6/23/2020 11:46:59 AM

Photo 1 of 3 : UCIP_SP_2022_62317_89996.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**3.01**	Rating **	M	Issue No.	**35 (cont)**
LM End	**3.01**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62317_89997.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.01**	Rating **	M	Issue No.	**35 (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 3 of 3 : UCIP_SP_2022_62317_89995.jpg

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

LM Start	**3.11**	Rating **	M	Issue No.	**37**
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

Photo 1 of 3 : UCIP_SP_2022_62318_90001.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.11**	Rating **	M	Issue No.	**37 (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 2 of 3 : UCIP_SP_2022_62318_90002.jpg

Water-Side: View of levee slope looking from crown

LM Start	**3.11**	Rating **	M	Issue No.	**37 (cont)**
LM End	**3.11**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62318_89999.jpg

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

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 and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2022_NA0002_62_127_20220310_00034.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.34**	Rating **	M	Issue No.	**38**
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

Photo 1 of 3 : UCIP_SP_2022_62322_90012.jpg

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

LM Start	**3.34**	Rating **	M	Issue No.	**38 (cont)**
LM End	**3.34**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62322_90013.jpg

Land-Side: Service box on levee shoulder

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.34**	Rating **	M	Issue No.	**38 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62322_90014.jpg

Water-Side: Christy box in road pavement on waterside

LM Start	**3.35**	Rating **	M	Issue No.	**40**
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				

Comment Code

Inspector Comment

FS_ID:62323
DS_ID:21770
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: 8-inch iron irrigation pipe through the levee, 3.7 feet below the crown. Siphon breaker on the landside (LS) shoulder. Concrete standpipe and spill box on the LS. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 144+04), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 3, Station 144+04, March 1950].
FS Date: 6/23/2020 3:57:32 PM

Photo 1 of 3 : UCIP_SP_2022_62323_90017.jpg

Top of Levee: View of levee crown looking upstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.35**	Rating **	M	Issue No.	**40 (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_2022_62323_90016.jpg

Land-Side: View of levee slope looking from crown

LM Start	**3.35**	Rating **	M	Issue No.	**40 (cont)**
LM End	**3.35**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_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_2022_NA0002_62_5_20220310_00004.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	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 landside slump. LMA's Engineer (DCC) is monitoring site for movement.

Photo 1 of 1 : SP_2022_NA0002_62_67_20220310_00027.jpg

Looking east at possible sloughing on landward shoulder.

LM Start	**3.42**	Rating **	M	Issue No.	**126**
LM End	**3.93**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.151436 °	38.148469 °
				-121.592845 °	-121.599939 °
DWR ID	DWR_NA0002_01_s _ 2022_126				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**3.43**	Rating **	U	Issue No.	**59**
LM End	**3.82**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.151448 °	38.149783 °
				-121.592898 °	-121.598948 °
DWR ID	DWR_NA0002_01_f _ 2018_59				

Comment Code

V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_62_59_20220310_00022.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.60**	Rating **	M	Issue No.	**41**
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_2022_62325_90029.jpg

Top of Levee: View of levee crown looking upstream

LM Start	**3.60**	Rating **	M	Issue No.	**41 (cont)**
LM End	**3.60**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62325_90028.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.60**	Rating **	M	Issue No.	**41 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62325_90022.jpg

Water-Side: Pipe under water in the stream

LM Start	**3.64**	Rating **	A/W	Issue No.	**1**
LM End	**3.64**	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.151786 °	38.151786 °
				-121.596843 °	-121.596843 °
DWR ID	DWR_NA0002_01_s _ 2020_1				

Comment Code

Inspector Comment

45' wide contiuous wet spot at the landside toe. There is a ditch next to the spot but it does not look like it is the source of the moisture.

Photo 1 of 1 : SP_2022_NA0002_62_1_20220310_00001.jpg

View looking slightly upstream at wet spot on the landside toe (Summer 2020).

LM Start	**3.74**	Rating **	U	Issue No.	**46**
LM End	**3.74**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.150841 °	38.150841 °
				-121.598161 °	-121.598161 °
DWR ID	DWR_NA0002_01_f _ 2017_46				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_62_46_20220310_00013.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.92**	Rating **	U	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

Photo 1 of 1 : SP_2022_NA0002_62_47_20220310_00014.jpg

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

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_2022_NA0002_62_11_20220310_00005.jpg

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	M	Issue No.	**42**
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_2022_62326_90603.jpg

Land-Side: View of levee slope looking from crown

LM Start	**3.99**	Rating **	M	Issue No.	**42 (cont)**
LM End	**3.99**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62326_90604.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	M	Issue No.	**42 (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_2022_62326_90605.jpg

Top of Levee: View of levee crown looking upstream

LM Start	**3.99**	Rating **	M	Issue No.	**43**
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_2022_62328_90609.jpg

Top of Levee: View of levee crown looking towards waterside

* 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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	M	Issue No.	**43 (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_2022_62328_90610.jpg

Water-Side: View of levee slope looking from crown

LM Start	**3.99**	Rating **	M	Issue No.	**43 (cont)**
LM End	**3.99**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62328_90607.jpg

Land-Side: Pumping plant at landside toe

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	M	Issue No.	**45**
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

Photo 1 of 3 : UCIP_SP_2022_62327_90037.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**3.99**	Rating **	M	Issue No.	**45 (cont)**
LM End	**3.99**	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2022_62327_90036.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	M	Issue No.	**45 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62327_90035.jpg

Land-Side: Pipe sleeving point on levee slope

LM Start	**3.99**	Rating **	M	Issue No.	**49**
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				

Comment Code

Inspector Comment

FS_ID:62329
DS_ID:21825
EP_NO: 11248
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/23/2020 Record remains Non-Urgent. Erosion site at waterside toe has been repaired. Pipe not found on landside. Unauthorized encroachment recorded in Levee Log prior to 2011. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)
05/16/2013 Leakage of pipe at WS toe creating erosion. Possible cavity collapse along pipe alignment on WS berm.
FIELD_STRUCT_DESC: 4-inch pipe through levee 4.0 feet below crown. Siphon breaker on waterward slope. Pump on landward side. (4-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)].
FS Date: 6/23/2020 9:58:00 AM

Photo 1 of 3 : UCIP_SP_2022_62329_90044.jpg

Top of Levee: View of levee crown looking upstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	M	Issue No.	**49 (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_2022_62329_90045.jpg

Water-Side: View of levee slope looking from crown

LM Start	**3.99**	Rating **	M	Issue No.	**49 (cont)**
LM End	**3.99**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62329_90041.jpg

Water-Side: Pipe daylights on waterside slope

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	U	Issue No.	**51**
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_2022_62330_90046.jpg

Top of Levee: View of levee crown looking upstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**3.99**	Rating **	U	Issue No.	**51 (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_2022_62330_90047.jpg

Land-Side: View of levee slope looking from crown

LM Start	**3.99**	Rating **	U	Issue No.	**51 (cont)**
LM End	**3.99**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62330_90048.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.01**	Rating **	M	Issue No.	**63**
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_2022_62331_90056.jpg

Top of Levee: View of levee crown looking upstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.01**	Rating **	M	Issue No.	**63 (cont)**
LM End	**4.01**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.147459 °	38.147459 °
				-121.600681 °	-121.600681 °
DWR ID	21774				

Photo 2 of 3 : UCIP_SP_2022_62331_90052.jpg

Land-Side: View of levee slope looking from crown

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

Photo 3 of 3 : UCIP_SP_2022_62331_90057.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.04**	Rating **	U	Issue No.	**64**
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 then 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_2022_62333_90065.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	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.	**64 (cont)**
LM End	**4.04**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62333_90066.jpg

Water-Side: View of pipe at riverbank

LM Start	**4.04**	Rating **	U	Issue No.	**64 (cont)**
LM End	**4.04**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62333_90064.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.05**	Rating **	M	Issue No.	**129**
LM End	**4.10**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.146965 °	38.146233 °
				-121.601052 °	-121.601528 °
DWR ID	DWR_NA0002_01_s _ 2022_129				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**4.09**	Rating **	M	Issue No.	**130**
LM End	**4.23**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.146446 °	38.144369 °
				-121.601435 °	-121.601325 °
DWR ID	DWR_NA0002_01_s _ 2022_130				

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 WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.11**	Rating **	M	Issue No.	**65**
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

Photo 1 of 3 : UCIP_SP_2022_62334_90069.jpg

Top of Levee: View of levee crown looking upstream

LM Start	**4.11**	Rating **	M	Issue No.	**65 (cont)**
LM End	**4.11**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62334_90068.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.11**	Rating **	M	Issue No.	**65 (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_2022_62334_90067.jpg

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

LM Start	**4.11**	Rating **	U	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 and woody vegetation other than native grasses from the levee slopes.

Inspector Comment

Willows on the waterside slope.

Photo 1 of 1 : SP_2022_NA0002_62_4_20220310_00003.jpg

View looking downstream at willows on the wateside slope (Fall 2021).

LM Start	**4.16**	Rating **	M	Issue No.	**134**
LM End	**4.23**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.145422 °	38.144369 °
				-121.601681 °	-121.601325 °
DWR ID	DWR_NA0002_01_s _ 2022_134				

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 WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.19**	Rating **	M	Issue No.	**68**
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_2022_62335_90074.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.19**	Rating **	M	Issue No.	**68 (cont)**
LM End	**4.19**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62335_90073.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.19**	Rating **	M	Issue No.	**68 (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_2022_62335_90072.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.21**	Rating **	M	Issue No.	**69**
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_2022_62337_90082.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.21**	Rating **	M	Issue No.	**69 (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_2022_62337_90087.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.21**	Rating **	M	Issue No.	**69 (cont)**
LM End	**4.21**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62337_90086.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.22**	Rating **	U	Issue No.	**71**
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

Photo 1 of 3 : UCIP_SP_2022_62338_90092.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.22**	Rating **	U	Issue No.	**71 (cont)**
LM End	**4.22**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62338_90089.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.22**	Rating **	U	Issue No.	**71 (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_2022_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_2022_NA0002_62_20_20220310_00006.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.37**	Rating **	M	Issue No.	**75**
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

Photo 1 of 3 : UCIP_SP_2022_62347_90133.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.37**	Rating **	M	Issue No.	**75 (cont)**
LM End	**4.37**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62347_90137.jpg

Land-Side: Electrical conduit next to house

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.37**	Rating **	M	Issue No.	**75 (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_2022_62347_90134.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.37**	Rating **	M	Issue No.	**79**
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_2022_62348_90138.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.37**	Rating **	M	Issue No.	**79 (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_2022_62348_90143.jpg

Land-Side: Electrical conduit next to house

LM Start	**4.37**	Rating **	M	Issue No.	**79 (cont)**
LM End	**4.37**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62348_90139.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.38**	Rating **	M	Issue No.	**80**
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

Photo 1 of 3 : UCIP_SP_2022_62349_90144.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.38**	Rating **	M	Issue No.	**80 (cont)**
LM End	**4.38**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62349_90149.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.38**	Rating **	M	Issue No.	**80 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62349_90145.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.45**	Rating **	M	Issue No.	**81**
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				

Comment Code

Inspector Comment

FS_ID:62350
DS_ID:21780
EP_NO: 11237
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. 42-inch concrete standpipe at landside levee toe has been removed. Unable to find a permit for modification. Crossing appears abandoned. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. High water table at landside toe: water sits at approximately 1/2 feet under land surface. (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. 42-inch diameter concrete standpipe on the LS toe. (12-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). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 83+60), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 5, Station 83+60, 25 January 1951].
FS Date: 6/26/2020 4:26:36 PM

Photo 1 of 3 : UCIP_SP_2022_62350_90150.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.45**	Rating **	M	Issue No.	**81 (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_2022_62350_90151.jpg

Land-Side: View of levee slope looking from crown

LM Start	**4.45**	Rating **	M	Issue No.	**81 (cont)**
LM End	**4.45**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62350_90152.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.47**	Rating **	M	Issue No.	**82**
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

Photo 1 of 3 : UCIP_SP_2022_62351_90157.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.47**	Rating **	M	Issue No.	**82 (cont)**
LM End	**4.47**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62351_90156.jpg

Land-Side: View of levee slope at potential crossing

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.47**	Rating **	M	Issue No.	**82 (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_2022_62351_90158.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.54**	Rating **	M	Issue No.	**113**
LM End	**4.60**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140540 °	38.139869 °
				-121.598353 °	-121.597932 °
DWR ID	DWR_NA0002_01_f _ 2021_113				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	**4.55**	Rating **	M	Issue No.	**122**
LM End	**4.59**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140516 °	38.139957 °
				-121.598348 °	-121.597995 °
DWR ID	DWR_NA0002_01_f _ 2021_122				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.63**	Rating **	M	Issue No.	**83**
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_2022_62355_90176.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.63**	Rating **	M	Issue No.	**83 (cont)**
LM End	**4.63**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62355_90177.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.63**	Rating **	M	Issue No.	**83 (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 3 of 3 : UCIP_SP_2022_62355_90178.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.65**	Rating **	M	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_2022_NA0002_62_131_20220310_00036.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.70**	Rating **	M	Issue No.	**84**
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

Photo 1 of 3 : UCIP_SP_2022_62360_90196.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.70**	Rating **	M	Issue No.	**84 (cont)**
LM End	**4.70**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62360_90197.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.70**	Rating **	M	Issue No.	**84 (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_2022_62360_90198.jpg

Water-Side: Pipe under walkway

LM Start	**4.70**	Rating **	M	Issue No.	**86**
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_2022_62361_90203.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.70**	Rating **	M	Issue No.	**86 (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_2022_62361_90204.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.70**	Rating **	M	Issue No.	**86 (cont)**
LM End	**4.70**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62361_90205.jpg

Water-Side: Pipe under walkway

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.70**	Rating **	M	Issue No.	**87**
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

Photo 1 of 3 : UCIP_SP_2022_62362_90208.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.70**	Rating **	M	Issue No.	**87 (cont)**
LM End	**4.70**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62362_90209.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.70**	Rating **	M	Issue No.	**87 (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_2022_62362_90210.jpg

Water-Side: Conduit under walkway

LM Start	**4.70**	Rating **	M	Issue No.	**85**
LM End	**4.74**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.138434 °	38.137975 °
				-121.597169 °	-121.596887 °
DWR ID	DWR_NA0002_01_s _ 2022_85				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.76**	Rating **	M	Issue No.	**88**
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

Photo 1 of 3 : UCIP_SP_2022_62363_90213.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.76**	Rating **	M	Issue No.	**88 (cont)**
LM End	**4.76**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62363_90214.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

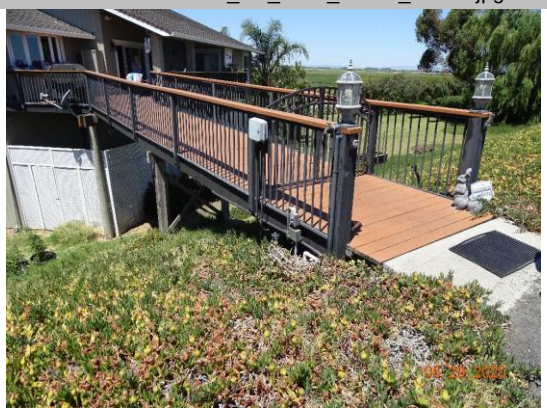
Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.76**	Rating **	M	Issue No.	**88 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62363_90215.jpg



Land-Side: View of levee slope looking from crown

LM Start	**4.79**	Rating **	M	Issue No.	**89**
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				

Comment Code

Inspector Comment

FS_ID:62366
DS_ID:21782
EP_NO: 11233
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 06/29/2020 Record remains Non-Urgent. Crossing appears abandoned. Pipe debris 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 Need to verify type of abandonment.
FIELD_STRUCT_DESC: 2.5-inch pipe of an unknown material or purpose through the levee, 3.2 feet below the crown. Found pipe in water on the waterside (WS) toe. (2-1/2-inch pipe [HLM 4.79] authorized under Automatic Board Order (ABO) issued as Permit No. 11233, 1975 - Jose H. and Maria H. Cervantez). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.79)].
FS Date: 6/29/2020 11:32:20 AM

Photo 1 of 3 : UCIP_SP_2022_62366_90224.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.79**	Rating **	M	Issue No.	**89 (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_2022_62366_90225.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.79**	Rating **	M	Issue No.	**89 (cont)**
LM End	**4.79**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62366_90226.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.80**	Rating **	M	Issue No.	**90**
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

Photo 1 of 3 : UCIP_SP_2022_62367_90228.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.80**	Rating **	M	Issue No.	**90 (cont)**
LM End	**4.80**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62367_90229.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.80**	Rating **	M	Issue No.	**90 (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 °
				-121.596310 °	-121.596310 °
DWR ID	21799				

Photo 3 of 3 : UCIP_SP_2022_62367_90230.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.80**	Rating **	M	Issue No.	**91**
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				

Comment Code

Inspector Comment

FS_ID:62368
DS_ID:25568
EP_NO: 18234
Repair Type: Non-Urgent
Crossing Status: 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 1:35:45 PM

Photo 1 of 3 : UCIP_SP_2022_62368_90231.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.80**	Rating **	M	Issue No.	**91 (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_2022_62368_90232.jpg

Land-Side: View of levee slope looking from crown

LM Start	**4.80**	Rating **	M	Issue No.	**91 (cont)**
LM End	**4.80**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62368_90233.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.80**	Rating **	M	Issue No.	**92**
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

Photo 1 of 3 : UCIP_SP_2022_62369_90234.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.80**	Rating **	M	Issue No.	**92 (cont)**
LM End	**4.80**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62369_90235.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.80**	Rating **	M	Issue No.	**92 (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_2022_62369_90236.jpg

Water-Side: View of levee slope looking from crown

LM Start	**4.80**	Rating **	M	Issue No.	**93**
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_2022_62371_90241.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.80**	Rating **	M	Issue No.	**93 (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_2022_62371_90242.jpg

Land-Side: View of levee slope looking from crown

LM Start	**4.80**	Rating **	M	Issue No.	**93 (cont)**
LM End	**4.80**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62371_90243.jpg

Land-Side: Christie box on levee slope

LM Start	**4.83**	Rating **	M	Issue No.	**55**
LM End	**5.06**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.136893 °	38.134302 °
				-121.596034 °	-121.593250 °
DWR ID	DWR_NA0002_01_s _ 2022_55				

Comment Code
V1 : Control annual grass and weeds on the levee slopes and easements.
Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

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_2022_NA0002_62_48_20220310_00015.jpg

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

LM Start	**4.83**	Rating **	M	Issue No.	**135**
LM End	**4.95**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.136808 °	38.135451 °
				-121.595963 °	-121.594529 °
DWR ID	DWR_NA0002_01_s _ 2022_135				

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

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				

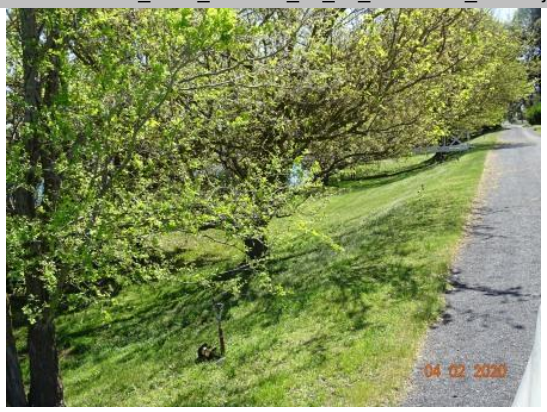
Comment Code

LI : Landscape Irrigation

Inspector Comment

Sprinklers on the waterside slope.

Photo 1 of 1 : SP_2022_NA0002_62_54_20220310_00018.jpg



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

LM Start	**4.96**	Rating **	M	Issue No.	**114**
LM End	**4.96**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.135340 °	38.135340 °
				-121.594411 °	-121.594411 °
DWR ID	DWR_NA0002_01_f _ 2021_114				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.98**	Rating **	M	Issue No.	**94**
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

Photo 1 of 3 : UCIP_SP_2022_62374_90258.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**4.98**	Rating **	M	Issue No.	**94 (cont)**
LM End	**4.98**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62374_90260.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**4.98**	Rating **	M	Issue No.	**94 (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_2022_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 and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.01**	Rating **	M	Issue No.	**95**
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

Photo 1 of 3 : UCIP_SP_2022_62377_90274.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**5.01**	Rating **	M	Issue No.	**95 (cont)**
LM End	**5.01**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62377_90273.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.01**	Rating **	M	Issue No.	**95 (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_2022_62377_90275.jpg

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

LM Start	**5.01**	Rating **	U	Issue No.	**121**
LM End	**5.01**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.134864 °	38.134864 °
				-121.593891 °	-121.593891 °
DWR ID	DWR_NA0002_01_f _ 2021_121				

Comment Code

TR : Tree or limb

Inspector Comment

There is a downed tree on the landside slope.

Photo 1 of 1 : SP_2022_NA0002_62_121_20220310_00032.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.01**	Rating **	M	Issue No.	**96**
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

Photo 1 of 3 : UCIP_SP_2022_62379_90283.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**5.01**	Rating **	M	Issue No.	**96 (cont)**
LM End	**5.01**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62379_90282.jpg

Water-Side: View of levee slope looking from toe

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.01**	Rating **	M	Issue No.	**96 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_62379_90284.jpg

Land-Side: View of levee slope looking from crown

LM Start	**5.02**	Rating **	M	Issue No.	**97**
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				

Comment Code

Inspector Comment

FS_ID:62380
DS_ID:21805
EP_NO: 15253
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: Pipe of an unknown size, material, or purpose through the levee, at an unknown depth. Pipe was to be pressure tested to determine soundness. (Utility line authorized under Permit No. 15273, 1990 - Walter & Charleen Haws). (Special condition 20 of Permit No. 15253, 1989 - Walter & Charleen Haws for placing engeneering fill on landward slope mentions existing pipe through the levee section).
FS Date: 6/29/2020 10:17:35 AM

Photo 1 of 3 : UCIP_SP_2022_62380_90285.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.02**	Rating **	M	Issue No.	**97 (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_2022_62380_90286.jpg

Land-Side: View of levee slope looking from crown

LM Start	**5.02**	Rating **	M	Issue No.	**97 (cont)**
LM End	**5.02**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62380_90287.jpg

Water-Side: View of levee slope looking from crown

LM Start	**5.03**	Rating **	M	Issue No.	**115**
LM End	**5.03**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.134631 °	38.134631 °
				-121.593619 °	-121.593619 °
DWR ID	DWR_NA0002_01_f _ 2021_115				

Comment Code
TR : Tree or limb

Inspector Comment
Tree limb on the waterside slope.

Photo 1 of 1 : SP_2022_NA0002_62_115_20220310_00030.jpg

View of downed tree branch on the waterside slope (Fall 2021).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

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_2022_NA0002_62_57_20220310_00020.jpg

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

LM Start	**5.13**	Rating **	C	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.

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	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.21**	Rating **	M	Issue No.	**98**
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_2022_62389_90328.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**5.21**	Rating **	M	Issue No.	**98 (cont)**
LM End	**5.21**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62389_90329.jpg

Land-Side: View of levee slope looking crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.21**	Rating **	M	Issue No.	**98 (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_2022_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_2022_NA0002_62_78_20220310_00029.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.23**	Rating **	M	Issue No.	**99**
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_2022_62390_90334.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**5.23**	Rating **	M	Issue No.	**99 (cont)**
LM End	**5.23**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62390_90335.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.23**	Rating **	M	Issue No.	**99 (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_2022_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_2022_NA0002_62_61_20220310_00024.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.25**	Rating **	M	Issue No.	**136**
LM End	**5.25**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.132237 °	38.132237 °
				-121.590901 °	-121.590901 °
DWR ID	DWR_NA0002_01_s _ 2022_136				

Comment Code

FW : Firewood

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_62_136_20220311_00241.jpg

View of firewood on the waterside hinge (Spring 2022).

LM Start	**5.25**	Rating **	M	Issue No.	**120**
LM End	**5.83**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.132230 °	38.129649 °
				-121.590893 °	-121.581743 °
DWR ID	DWR_NA0002_01_f _ 2021_120				

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.	**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_2022_NA0002_62_60_20220310_00023.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.27**	Rating **	M	Issue No.	**116**
LM End	**5.64**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.132030 °	38.129264 °
				-121.590694 °	-121.585311 °
DWR ID	DWR_NA0002_01_f _ 2021_116				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**5.36**	Rating **	M	Issue No.	**100**
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

Photo 1 of 3 : UCIP_SP_2022_62393_90346.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.36**	Rating **	M	Issue No.	**100 (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 2 of 3 : UCIP_SP_2022_62393_90347.jpg

Water-Side: View of levee slope looking from crown

LM Start	**5.36**	Rating **	M	Issue No.	**100 (cont)**
LM End	**5.36**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62393_90349.jpg

Water-Side: View of pipe at riverbank

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.54**	Rating **	U	Issue No.	**101**
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

Photo 1 of 3 : UCIP_SP_2022_62394_21275.jpg

10-inch pipe at WS toe.

LM Start	**5.54**	Rating **	U	Issue No.	**101 (cont)**
LM End	**5.54**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62394_21274.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.54**	Rating **	U	Issue No.	**101 (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_2022_62394_21273.jpg

Siphon breaker next to paddle marker on LS shoulder.

LM Start	**5.66**	Rating **	M	Issue No.	**117**
LM End	**5.84**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.129248 °	38.129635 °
				-121.584988 °	-121.581698 °
DWR ID	DWR_NA0002_01_f _ 2021_117				

Comment Code
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.
Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.84**	Rating **	M	Issue No.	**102**
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_2022_62395_90359.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**5.84**	Rating **	M	Issue No.	**102 (cont)**
LM End	**5.84**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62395_90360.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.84**	Rating **	M	Issue No.	**102 (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 3 of 3 : UCIP_SP_2022_62395_90361.jpg

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

LM Start	**5.85**	Rating **	M	Issue No.	**103**
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_2022_62396_90363.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.85**	Rating **	M	Issue No.	**103 (cont)**
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				

Photo 2 of 3 : UCIP_SP_2022_62396_90364.jpg

Land-Side: View of levee slope looking from crown

LM Start	**5.85**	Rating **	M	Issue No.	**103 (cont)**
LM End	**5.85**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62396_90365.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.87**	Rating **	M	Issue No.	**104**
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				

Comment Code

Inspector Comment

FS_ID:62399
DS_ID:21811
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 10:11:43 AM

Photo 1 of 3 : UCIP_SP_2022_62399_90385.jpg

Top of Levee: View of levee crown looking towards waterside

LM Start	**5.87**	Rating **	M	Issue No.	**104 (cont)**
LM End	**5.87**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62399_90384.jpg

Land-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.87**	Rating **	M	Issue No.	**104 (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 3 of 3 : UCIP_SP_2022_62399_90386.jpg

Water-Side: View of levee slope looking from crown

LM Start	**5.88**	Rating **	M	Issue No.	**105**
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

Photo 1 of 3 : UCIP_SP_2022_62400_90388.jpg

Top of Levee: View of levee crown looking towards waterside

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.88**	Rating **	M	Issue No.	**105 (cont)**
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				

Photo 2 of 3 : UCIP_SP_2022_62400_90387.jpg

Land-Side: View of levee slope looking from crown

LM Start	**5.88**	Rating **	M	Issue No.	**105 (cont)**
LM End	**5.88**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62400_90389.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.88**	Rating **	M	Issue No.	**106**
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				

Comment Code

Inspector Comment

FS_ID:62401
DS_ID:21789
EP_NO: 11231
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. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 3-inch steel pipe of an unknown purpose through the levee, 3.3 feet below the crown. (3 1/2-inch pipe [HLM 5.88] authorized under Automatic Board Order (ABO) issued as Permit No. 11231, 1975 - B&W Resort Marina). [Additional Reference(s): USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 8+03), listed as 3-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 3, Station 8+03, 25 January 1951].
FS Date: 7/1/2020 10:14:49 AM

Photo 1 of 3 : UCIP_SP_2022_62401_90390.jpg

Top of Levee: View of levee crown looking towards waterside

LM Start	**5.88**	Rating **	M	Issue No.	**106 (cont)**
LM End	**5.88**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62401_90391.jpg

Water-Side: View of levee slope looking from crown

* 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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.88**	Rating **	M	Issue No.	**106 (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 3 of 3 : UCIP_SP_2022_62401_90393.jpg

Water-Side: View of pipe at riverbank

LM Start	**5.90**	Rating **	M	Issue No.	**107**
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

Photo 1 of 3 : UCIP_SP_2022_62404_90407.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

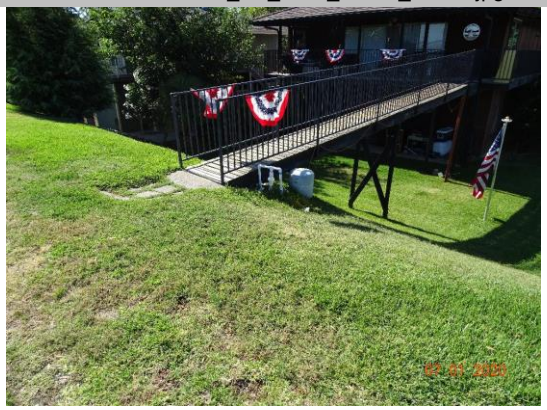
Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.90**	Rating **	M	Issue No.	**107 (cont)**
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				

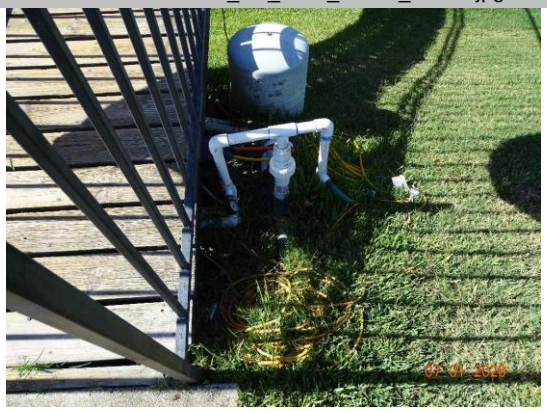
Photo 2 of 3 : UCIP_SP_2022_62404_90408.jpg



Land-Side: View of levee slope looking from crown

LM Start	**5.90**	Rating **	M	Issue No.	**107 (cont)**
LM End	**5.90**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62404_90409.jpg



Land-Side: Irrigation pipe, pump, and pressure tank on levee shoulder

LM Start	**5.91**	Rating **	U	Issue No.	**118**
LM End	**5.91**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.129728 °	38.129728 °
				-121.580382 °	-121.580382 °
DWR ID	DWR_NA0002_01_f _ 2021_118				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2022_NA0002_62_118_20220310_00031.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.91**	Rating **	M	Issue No.	**108**
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				

Comment Code

Inspector Comment

FS_ID:62405
DS_ID:21797
EP_NO: 13831
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/01/2020 Record updated from No Action Needed to Non-Urgent. Crossing appears abandoned. Missing shut-off valve insides on pipe at riverbank. (O.Yakimov - DWR UCIP)

FIELD_STRUCT_DESC: 2-inch polyvinyl chloride drainage pipe through the levee, 2 feet below the crown. (Pipeline authorized under Permit No. 13831, 1984 - Joanne M. Pellissier).
FS Date: 7/1/2020 11:49:28 AM

Photo 1 of 3 : UCIP_SP_2022_62405_90414.jpg

Top of Levee: View of levee crown looking towards landside

LM Start	**5.91**	Rating **	M	Issue No.	**108 (cont)**
LM End	**5.91**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62405_90415.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.91**	Rating **	M	Issue No.	**108 (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 3 of 3 : UCIP_SP_2022_62405_90416.jpg

Land-Side: Drainage pipe enters ground under walkway

LM Start	**5.94**	Rating **	M	Issue No.	**109**
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

Photo 1 of 3 : UCIP_SP_2022_62410_90440.jpg

Top of Levee: View of levee crown looking downstream

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.94**	Rating **	M	Issue No.	**109 (cont)**
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				

Photo 2 of 3 : UCIP_SP_2022_62410_90441.jpg

Land-Side: View of levee slope looking from crown

LM Start	**5.94**	Rating **	M	Issue No.	**109 (cont)**
LM End	**5.94**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2022_62410_90439.jpg

Water-Side: View of pipe on riverbank

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.96**	Rating **	M	Issue No.	**110**
LM End	**5.96**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129680 °	38.129680 °
				-121.579530 °	-121.579530 °
DWR ID	21791				

Comment Code

Inspector Comment

FS_ID:62411
DS_ID:21791
EP_NO: 11235
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. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. 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 steel pipe of an unknown purpose through the levee, 3.6 feet below the crown. Pump in box on the landside (LS) slope. 1-inch galvanized pipe visible at the waterside (WS) edge. (7-inch pipe [HLM 5.96-5.97] authorized under Automatic Board Order (ABO) issued as Permit No. 11235, 1975 - Theodore and Iris Ferrar). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.98)].
FS Date: 7/1/2020 1:13:09 PM

Photo 1 of 3 : UCIP_SP_2022_62411_90442.jpg

Top of Levee: View of levee crown looking downstream

LM Start	**5.96**	Rating **	M	Issue No.	**110 (cont)**
LM End	**5.96**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_62411_90443.jpg

Water-Side: View of levee slope looking from crown

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

Flood Control Project Maintenance
Levee Inspections

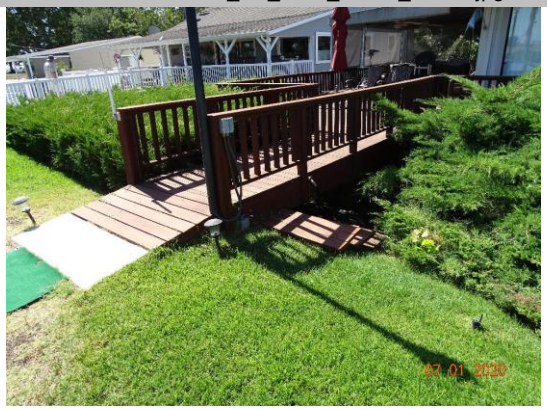
Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.01	03/11/2022 03/11/2022	David Julian

LM Start	**5.96**	Rating **	M	Issue No.	**110 (cont)**
LM End	**5.96**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.129680 °	38.129680 °
				-121.579530 °	-121.579530 °
DWR ID	21791				

Photo 3 of 3 : UCIP_SP_2022_62411_90444.jpg



Land-Side: View of levee slope looking from crown

LM Start	**5.96**	Rating **	U	Issue No.	**62**
LM End	**5.96**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.129677 °	38.129677 °
				-121.579432 °	-121.579432 °
DWR ID	DWR_NA0002_01_s _ 2020_62				

Comment Code
V6 : Landscaping

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_62_62_20220310_00025.jpg

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

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

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	3/30/2022 - 3/30/2022			
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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**0.01**	Rating **	M	Issue No.	**61**
LM End	**2.09**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.191819 °	38.170697 °
				-121.567850 °	-121.593300 °
DWR ID	DWR_NA0002_02_s _ 2022_61				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**0.02**	Rating **	M	Issue No.	**113**
LM End	**2.33**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.191749 °	38.167685 °
				-121.568039 °	-121.595488 °
DWR ID	DWR_NA0002_02_s _ 2022_113				

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_2022_NA0002_63_26_20220329_00005.jpg

Looking northeast at fence on landward shoulder and slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_52689_77595.jpg

Pump platform on WS is distorted.

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

Photo 2 of 3 : UCIP_SP_2022_52689_77596.jpg

View of a bridge to pump platform on WS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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 and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Fig tree on the landside toe.

Photo 1 of 1 : SP_2022_NA0002_63_97_20220329_00045.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 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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_12164_19726.jpg

Pump on pile structure with walkway on WS berm.

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

Photo 2 of 3 : UCIP_SP_2022_12164_19725.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_12164_19724.jpg

Multiple patches on Pipe along WS berm.

LM Start	**0.94**	Rating **	C	Issue No.	**140**
LM End	**0.94**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.185059 °	38.185059 °
				-121.582388 °	-121.582388 °
DWR ID	DWR_NA0002_02_f _ 2021_140				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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_2022_NA0002_63_47_20220401_00152.jpg

View of down tree on the waterside slope (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**1.14**	Rating **	U	Issue No.	**66**
LM End	**1.14**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Vehicle Traffic			38.182772 °	38.182772 °
				-121.584689 °	-121.584689 °
DWR ID	DWR_NA0002_02_s _ 2022_66				

Comment Code

E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_66_20220401_00153.jpg

View of damage to slope due vehicle going off the road on the waterside slope (Spring 2022).

LM Start	**1.25**	Rating **	C	Issue No.	**46**
LM End	**1.25**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.181454 °	38.181454 °
				-121.585727 °	-121.585727 °
DWR ID	DWR_NA0002_02_f _ 2021_46				

Comment Code

TR : Tree or limb

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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_2022_12165_19731.jpg

JP on LS slope.

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

Photo 2 of 3 : UCIP_SP_2022_12165_19730.jpg

Pipe and pumphouse on WS berm.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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 3 of 3 : UCIP_SP_2022_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	Trim / Thin Trees			38.178865 °	38.178865 °
				-121.587763 °	-121.587763 °
DWR ID	DWR_NA0002_02_s _ 2021_52				

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Remove large fallen tree on waterside slope.

Photo 1 of 1 : SP_2022_NA0002_63_52_20220329_00014.jpg

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

LM Start	**1.46**	Rating **	M	Issue No.	**102**
LM End	**1.46**	Issue Type +	Ma	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.

Photo 1 of 1 : SP_2022_NA0002_63_102_20220401_00168.jpg

View of pruned tree limbs on the landside shoulder (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

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_2022_12183_19742.jpg

Concrete distribution box on LS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**1.61**	Rating **	M	Issue No.	**4 (cont)**
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				

Photo 2 of 3 : UCIP_SP_2022_12183_19741.jpg

Distribution box and hose bib on LS toe.

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

Photo 3 of 3 : UCIP_SP_2022_12183_19740.jpg

4-inch suction pipe on WS toe.

LM Start	**1.64**	Rating **	N	Issue No.	**78**
LM End	**1.64**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.176532 °	38.176532 °
				-121.589478 °	-121.589478 °
DWR ID	DWR_NA0002_02_f _ 2018_78				

Comment Code

T5 : Tree stumps.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_78_20220329_00031.jpg

View of tree stump on the waterside slope (October 2018).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**1.69**	Rating **	M	Issue No.	**79**
LM End	**1.69**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175867 °	38.175867 °
				-121.589884 °	-121.589884 °
DWR ID	DWR_NA0002_02_f _ 2018_79				

Comment Code

TR : Tree or limb

Inspector Comment

Remove tree limb from the waterside slope.

Photo 1 of 1 : SP_2022_NA0002_63_79_20220329_00032.jpg

View looking upstream at large tree limb on the waterside slope (October 2018).

LM Start	**1.78**	Rating **	M	Issue No.	**49**
LM End	**1.78**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.174762 °	38.174762 °
				-121.590582 °	-121.590582 °
DWR ID	DWR_NA0002_02_f _ 2021_49				

Comment Code

TR : Tree or limb

Inspector Comment

No Photos

LM Start	**1.80**	Rating **	U	Issue No.	**45**
LM End	**1.83**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174437 °	38.174058 °
				-121.590786 °	-121.590978 °
DWR ID	DWR_NA0002_02_f _ 2013_45				

Comment Code

V6 : Landscaping

Inspector Comment

Dense vegetation and cactus are on the landside slope and toe.

Photo 1 of 1 : SP_2022_NA0002_63_45_20220329_00008.jpg

View of cactus on landside slope (October 2018)

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**1.81**	Rating **	U	Issue No.	**96**
LM End	**1.81**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.174316 °	38.174316 °
				-121.590830 °	-121.590830 °
DWR ID	DWR_NA0002_02_s _ 2021_96				

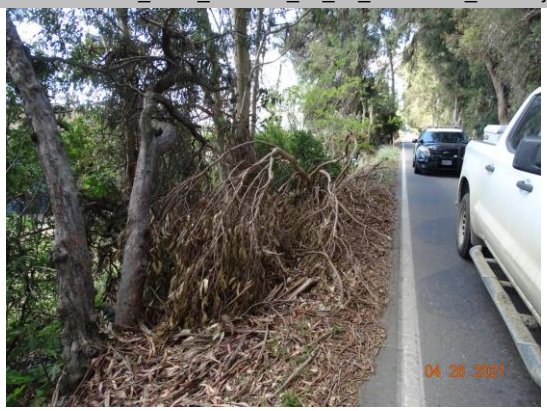
Comment Code

TR : Tree or limb

Inspector Comment

Remove large down tree branch on landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_96_20220329_00044.jpg



Down tree limb on the landside hinge (Spring 2021).

LM Start	**1.86**	Rating **	M	Issue No.	**138**
LM End	**1.86**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.173729 °	38.173729 °
				-121.591177 °	-121.591177 °
DWR ID	DWR_NA0002_02_f _ 2021_138				

Comment Code

TR : Tree or limb

Inspector Comment

No Photos

LM Start	**1.89**	Rating **	U	Issue No.	**137**
LM End	**1.89**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.173273 °	38.173273 °
				-121.591468 °	-121.591468 °
DWR ID	DWR_NA0002_02_f _ 2021_137				

Comment Code

TR : Tree or limb

Inspector Comment

Remove large down tree limb on landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_137_20220329_00060.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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_2022_12185_19750.jpg

Pipe and shutoff valve at pumphouse on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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_2022_NA0002_63_12_20220329_00002.jpg

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

LM Start	**1.97**	Rating **	M	Issue No.	**48**
LM End	**1.97**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.172292 °	38.172292 °
				-121.592124 °	-121.592124 °
DWR ID	DWR_NA0002_02_f _ 2020_48				

Comment Code
TR : Tree or limb

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_NA0002_63_95_20220329_00043.jpg

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

LM Start	**2.13**	Rating **	M	Issue No.	**136**
LM End	**2.13**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.170217 °	38.170217 °
				-121.593602 °	-121.593602 °
DWR ID	DWR_NA0002_02_f _ 2021_136				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_136_20220329_00059.jpg

View of animal holes in the landside slope (Fall 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

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Fig tree on the landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_120_20220329_00053.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_25_20220329_00004.jpg

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

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_2022_12211_19770.jpg

Possible pumphouse on WS shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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 2 of 3 : UCIP_SP_2022_12211_19769.jpg

Evidence of pipe (burried) on LS in ditch.

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

Photo 3 of 3 : UCIP_SP_2022_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
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.
Inspector Comment
Dense willows on the landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_99_20220329_00047.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**2.48**	Rating **	M	Issue No.	**73**
LM End	**2.56**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166366 °	38.165849 °
				-121.597633 °	-121.598878 °
DWR ID	DWR_NA0002_02_s _ 2022_73				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**2.54**	Rating **	U	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: 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

Photo 1 of 3 : UCIP_SP_2022_53389_19773.jpg

Concrete tunnel open on both ends.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**2.54**	Rating **	U	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 2 of 3 : UCIP_SP_2022_53389_19772.jpg

Top of concrete tunnel on LS shoulder.

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

Photo 3 of 3 : UCIP_SP_2022_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	Erosion / Foot Traffic			38.165898 °	38.165898 °
				-121.598888 °	-121.598888 °
DWR ID	DWR_NA0002_02_f _ 2017_82				

Comment Code
E3 : 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_2022_NA0002_63_82_20220329_00034.jpg

Looking northwest at the waterside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_53513_19776.jpg

Tunnel open on LS shoulder.

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

Photo 2 of 3 : UCIP_SP_2022_53513_77578.jpg

Concrete tunnel on LS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_53513_19774.jpg

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

LM Start	**2.58**	Rating **	U	Issue No.	**71**
LM End	**2.63**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.165945 °	38.165498 °
				-121.599345 °	-121.600080 °
DWR ID	DWR_NA0002_02_s _ 2022_71				

Comment Code

Inspector Comment

2018 Site ID: SAC 18.1 L
Status: Critical
2018 Field Notes: Increased vegetation made it difficult to see changes.
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. 2017 - Upgraded to CRITICAL. Vertical slope face behind a tree that is likely to pop-out soon.

Photo 1 of 2 : SP_2022_NA0002_63_71_20220329_00028.jpg

USACE 2018 Erosion Photo #1

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

Flood Control Project Maintenance
Levee Inspections

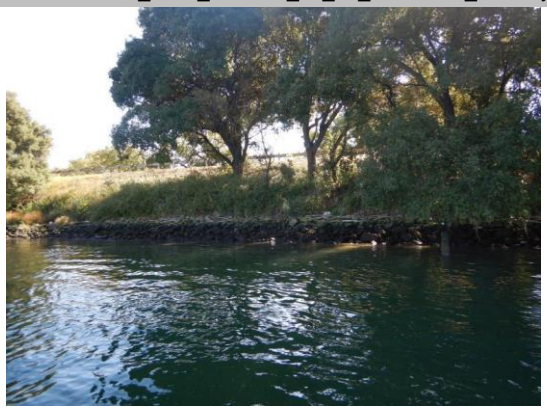
Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**2.58**	Rating **	U	Issue No.	**71 (cont)**
LM End	**2.63**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.165945 °	38.165498 °
				-121.599345 °	-121.600080 °
DWR ID	DWR_NA0002_02_s _ 2022_71				

Photo 2 of 2 : SP_2022_NA0002_63_71_20220329_00029.jpg



USACE 2018 Erosion Photo #2

LM Start	**2.63**	Rating **	U	Issue No.	**104**
LM End	**2.66**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.165310 °	38.165068 °
				-121.599987 °	-121.600445 °
DWR ID	DWR_NA0002_02_s _ 2022_104				

Comment Code
A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_104_20220401_00167.jpg

View of animal holes on the landside slope (Spring 2022).

* 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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

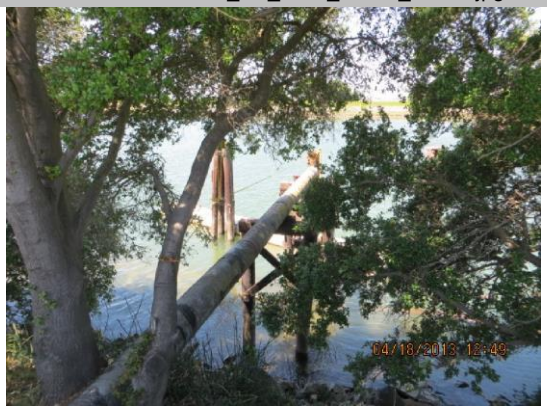
LM Start	**2.75**	Rating **	M	Issue No.	**11**
LM End	**2.75**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.164432 °	38.164432 °
				-121.601918 °	-121.601918 °
DWR ID	21881				

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_2022_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_2022_12214_19777.jpg

Pipe on pier at WS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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_2022_NA0002_63_94_20220329_00042.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**2.84**	Rating **	U	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: 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

Photo 1 of 3 : UCIP_SP_2022_53514_19782.jpg

Entrance to tunnel on LS slope.

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

Photo 2 of 3 : UCIP_SP_2022_53514_19781.jpg

Tunnel opening on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**2.84**	Rating **	U	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_2022_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 truely 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_2022_12217_19785.jpg

Pumphouse on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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_2022_16005_27067.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_16005_27066.jpg

Sign on oposite 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_2022_NA0002_63_30_20220329_00006.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_2022_NA0002_63_30_20220329_00007.jpg

Looking south at several encroachments along landward slope and toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**2.93**	Rating **	M	Issue No.	**135**
LM End	**2.93**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.163270 °	38.163270 °
				-121.604806 °	-121.604806 °
DWR ID	DWR_NA0002_02_f _ 2021_135				

Comment Code

V6 : Landscaping

Inspector Comment

Cactus on the landside slope.

No Photos

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_2022_12724_20643.jpg

Pipe visible at concrete foundation on WS shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**2.99**	Rating **	M	Issue No.	**17 (cont)**
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				

Photo 2 of 2 : UCIP_SP_2022_12724_20642.jpg

Foundation on WS shoulder.

LM Start	**3.00**	Rating **	M	Issue No.	**134**
LM End	**3.00**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.163002 °	38.163002 °
				-121.606060 °	-121.606060 °
DWR ID	DWR_NA0002_02_f _ 2021_134				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

LM Start	**3.08**	Rating **	M	Issue No.	**133**
LM End	**3.08**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.162761 °	38.162761 °
				-121.607549 °	-121.607549 °
DWR ID	DWR_NA0002_02_f _ 2021_133				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_NA0002_63_7_20220329_00001.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

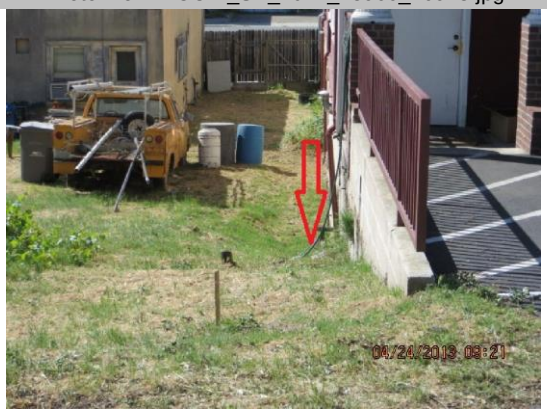
FS_ID:15966
DS_ID:23135
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to determine disposition and use of pipe.
FIELD_STRUCT_DESC: 4-inch cast iron drainage pipe through the levee, 8 feet below the crown. Pipe visible next to foundation on the landside (LS) toe.
FS Date: 4/24/2013

Photo 1 of 2 : UCIP_SP_2022_15966_26949.jpg

Pipe visible next to foundation on LS slope.

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

Photo 2 of 2 : UCIP_SP_2022_15966_26948.jpg



Pipe visible next to foundation on LS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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 colapsed.
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_2022_12745_20683.jpg

Pipe and wrecked pumphouse on WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_12745_20682.jpg

Pipe visible on WS toe.

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	Erosion / Foot Traffic			38.162449 °	38.162449 °
				-121.613390 °	-121.613390 °
DWR ID	DWR_NA0002_02_s _ 2020_64				

Comment Code

E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_12746_20686.jpg

Pipe and pump visible on WS slope

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

Photo 2 of 3 : UCIP_SP_2022_12746_20685.jpg

Pipe visible on LS slope near toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_12746_20684.jpg

Pipe and pump on WS toe.

LM Start	**3.47**	Rating **	C	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

No Photos

LM Start	**3.57**	Rating **	M	Issue No.	**91**
LM End	**3.57**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.162653 °	38.162653 °
				-121.616348 °	-121.616348 °
DWR ID	DWR_NA0002_02_f _ 2021_91				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**3.62**	Rating **	U	Issue No.	**109**
LM End	**7.59**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.162768 °	38.158643 °
				-121.617305 °	-121.675407 °
DWR ID	DWR_NA0002_02_f _ 2021_109				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_109_20220401_00166.jpg

View of thick annual vegetation on the landside slope (Spring 2022).

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_2022_12748_20692.jpg

Concrete distribution box on LS toe.

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

Flood Control Project Maintenance
Levee Inspections

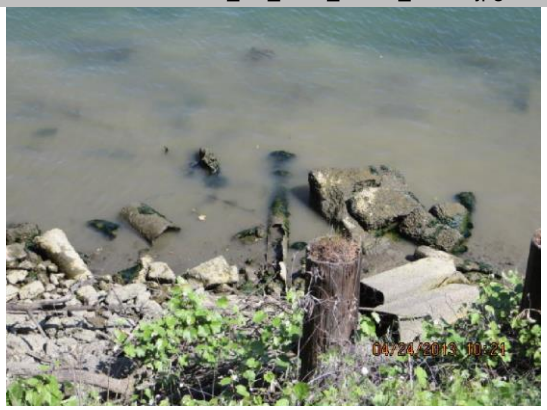
Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**3.70**	Rating **	M	Issue No.	**22 (cont)**
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				

Photo 2 of 2 : UCIP_SP_2022_12748_20691.jpg



Rusted out pipe visible at WS toe.

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_2022_NA0002_63_108_20220329_00049.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	Trim / Thin Trees			38.164019 °	38.164019 °
				-121.622642 °	-121.622642 °
DWR ID	DWR_NA0002_02_s _ 2019_98				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove arundo from the landside slope.					

Photo 1 of 1 : SP_2022_NA0002_63_98_20220329_00046.jpg

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

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_12752_20699.jpg

Pipe and pumphouse on LS.

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

Photo 2 of 3 : UCIP_SP_2022_12752_20698.jpg

Pump and shutoff valve inside pumphouse on LS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

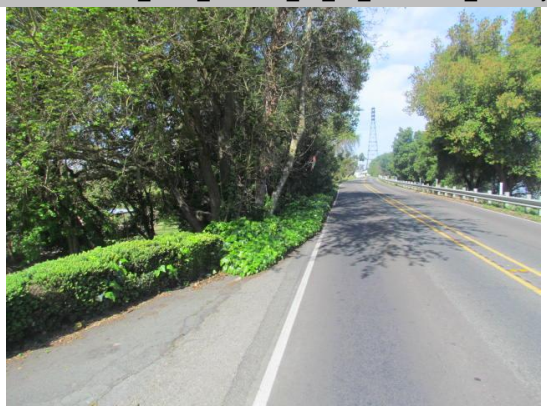
LM Start	**4.06**	Rating **	U	Issue No.	**59**
LM End	**4.13**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.164728 °	38.165167 °
				-121.624949 °	-121.626273 °
DWR ID	DWR_NA0002_02_s _ 2012_59				

Comment Code

V6 : Landscaping

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_59_20220329_00018.jpg



Looking west at dense landscaping on landward slope.

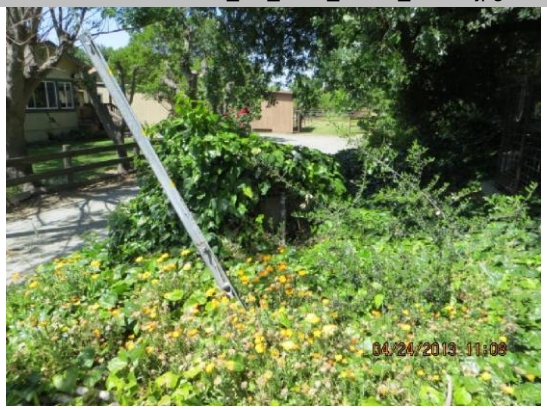
LM Start	**4.11**	Rating **	M	Issue No.	**27**
LM End	**4.11**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.165016 °	38.165016 °
				-121.625834 °	-121.625834 °
DWR ID	21904				

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_2022_12768_20731.jpg



Concrete distribution box at LS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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_2022_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_2022_NA0002_63_169_20220329_00064.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**4.33**	Rating **	U	Issue No.	**93**
LM End	**4.33**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.166644 °	38.166644 °
				-121.629368 °	-121.629368 °
DWR ID	DWR_NA0002_02_s _ 2022_93				

Comment Code

TR : Tree or limb

Inspector Comment

Remove cut up tree limbs on landside shoulder.

Photo 1 of 1 : SP_2022_NA0002_63_93_20220401_00165.jpg

View of cut up tree limbs on the landside shoulder (Spring 2022).

LM Start	**4.33**	Rating **	U	Issue No.	**74**
LM End	**4.33**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.166681 °	38.166681 °
				-121.629374 °	-121.629374 °
DWR ID	DWR_NA0002_02_s _ 2022_74				

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_74_20220401_00154.jpg

View of down tree limb on the waterside slope (Spring 2022).

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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				

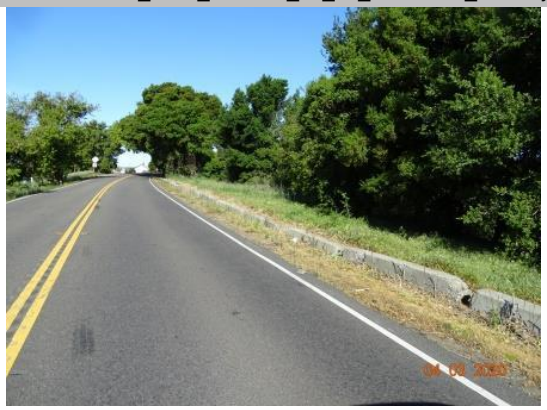
Comment Code

DE : Debris

Inspector Comment

Concrete blocks placed to deter parking on waterside of crown.

Photo 1 of 1 : SP_2022_NA0002_63_80_20220329_00033.jpg



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

LM Start	**4.46**	Rating **	C	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

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

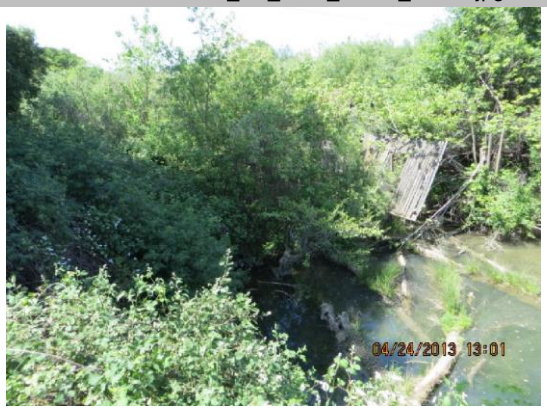
LM Start	**4.48**	Rating **	M	Issue No.	**28**
LM End	**4.48**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.167174 °	38.167174 °
				-121.631927 °	-121.631927 °
DWR ID	21907				

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

Photo 1 of 3 : UCIP_SP_2022_16010_27085.jpg



Possible portion of pumphouse visible off WS toe.

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

Photo 2 of 3 : UCIP_SP_2022_16010_27087.jpg

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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_2022_12773_20740.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_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_2022_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_2022_NA0002_63_128_20220329_00057.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_12774_20745.jpg

Broken down pumphouse on WS slope.

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

Photo 2 of 3 : UCIP_SP_2022_12774_20744.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**4.83**	Rating **	M	Issue No.	**31 (cont)**
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				

Photo 3 of 3 : UCIP_SP_2022_12774_20743.jpg

Broken Concrete standpipe on LS toe.

LM Start	**5.01**	Rating **	U	Issue No.	**163**
LM End	**5.01**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.169750 °	38.169750 °
				-121.641107 °	-121.641107 °
DWR ID	DWR_NA0002_02_f _ 2019_163				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Trim the fig tree on the landside slope and pick up down fig tree limbs.

Photo 1 of 1 : SP_2022_NA0002_63_163_20220329_00063.jpg

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

LM Start	**5.25**	Rating **	U	Issue No.	**124**
LM End	**5.29**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.171928 °	38.171873 °
				-121.644455 °	-121.645082 °
DWR ID	DWR_NA0002_02_f _ 2017_124				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Amount of rodent holes appears to have increased since previous inspection.

Photo 1 of 1 : SP_2022_NA0002_63_124_20220329_00055.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**5.32**	Rating **	U	Issue No.	**132**
LM End	**5.35**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.171844 °	38.171839 °
				-121.645718 °	-121.646163 °
DWR ID	DWR_NA0002_02_f _ 2021_132				

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Remove two down trees on landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_132_20220329_00058.jpg

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

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

Photo 1 of 3 : UCIP_SP_2022_12776_20754.jpg

Pipe and electrical conduit on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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 2 of 3 : UCIP_SP_2022_12776_20753.jpg

Pump on pier at WS toe.

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

Photo 3 of 3 : UCIP_SP_2022_12776_20752.jpg

Pipe under pier.

LM Start	**5.67**	Rating **	M	Issue No.	**131**
LM End	**5.67**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.172377 °	38.172377 °
				-121.651956 °	-121.651956 °
DWR ID	DWR_NA0002_02_f _ 2021_131				

Comment Code
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.
Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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_2022_12778_20762.jpg

Concuit at WS toe.

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

Photo 2 of 3 : UCIP_SP_2022_12778_20761.jpg

Erosion along pipe alignment at WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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 3 of 3 : UCIP_SP_2022_12778_20760.jpg

Concrete standpipe and pump on LS toe.

LM Start	**6.07**	Rating **	A/W	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

There were multiple squirrel holes at this location, however the LMA implemented a baiting program over the summer. Monitor the area for new rodent activity.

Photo 1 of 1 : SP_2022_NA0002_63_122_20220329_00054.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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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	**6.16**	Rating **	M	Issue No.	**126**
LM End	**6.16**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.174466 °	38.174466 °
				-121.660322 °	-121.660322 °
DWR ID	DWR_NA0002_02_f _ 2021_126				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Evidence of squirrel activity.

Photo 1 of 1 : SP_2022_NA0002_63_126_20220329_00056.jpg

View looking down slope at squirrel holes in the landside slope (Fall 2021).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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

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_2022_NA0002_63_84_20220329_00036.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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_2022_NA0002_63_50_20220329_00011.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_2022_NA0002_63_13_20220329_00003.jpg

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

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

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_118_20220329_00051.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**6.60**	Rating **	C	Issue No.	**54**
LM End	**6.60**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.171422 °	38.171422 °
				-121.667261 °	-121.667261 °
DWR ID	DWR_NA0002_02_f _ 2021_54				

Comment Code

DE : Debris

Inspector Comment

No Photos

LM Start	**6.98**	Rating **	U	Issue No.	**70**
LM End	**7.04**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.166583 °	38.165794 °
				-121.670684 °	-121.671014 °
DWR ID	DWR_NA0002_02_s _ 2022_70				

Comment Code

Inspector Comment

2018 Site ID: SAC 13.6 L
Status: Critical
2018 Field Notes: No observed change.
Site History: 2011 - Large section of bank slumped off. 2017 - Upgraded to CRITICAL. Nearly vertical face from levee hinge. Trees with large root balls likely to fail.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**7.00**	Rating **	M	Issue No.	**117**
LM End	**7.00**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.166249 °	38.166249 °
				-121.670505 °	-121.670505 °
DWR ID	DWR_NA0002_02_f _ 2021_117				

Comment Code

TR : Tree or limb

Inspector Comment

No Photos

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 daylights 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

Photo 1 of 3 : UCIP_SP_2022_53390_27090.jpg

Pipe open on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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 2 of 3 : UCIP_SP_2022_53390_27091.jpg

5X5 concrete distribution box at LS toe

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

Photo 3 of 3 : UCIP_SP_2022_53390_76478.jpg

View of levee crown and WS slope at pipe crossing.

LM Start	**7.24**	Rating **	C	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					

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**7.37**	Rating **	A/W	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

There were multiple squirrel holes at this location, however the LMA implemented a baiting program over the summer. Monitor the area for new rodent activity.

Photo 1 of 1 : SP_2022_NA0002_63_111_20220329_00050.jpg

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

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

Photo 1 of 3 : UCIP_SP_2022_12814_20821.jpg

Erosion/sinkhole over pipe on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

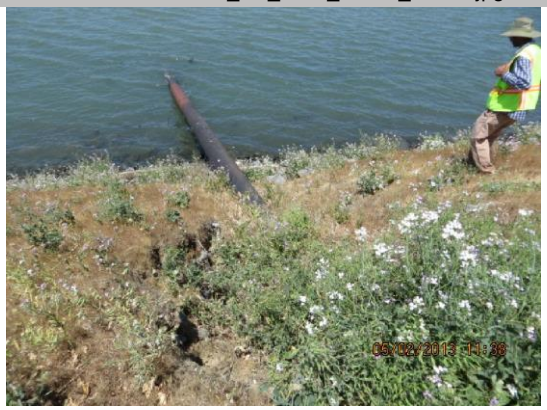
Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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 2 of 3 : UCIP_SP_2022_12814_20820.jpg



Pipe on WS slope.

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

Photo 3 of 3 : UCIP_SP_2022_12814_20819.jpg

Pipe and pump on LS shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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 shoulde 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_2022_12817_20825.jpg

3.5-inch galvanized iron pipe on LS slope.

LM Start	**7.49**	Rating **	M	Issue No.	**37 (cont)**
LM End	**7.49**	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2022_12817_20824.jpg

3.5-inch galvanized iron pipe on LS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**7.53**	Rating **	C	Issue No.	**114**
LM End	**7.53**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.159397 °	38.159397 °
				-121.674924 °	-121.674924 °
DWR ID	DWR_NA0002_02_f _ 2021_114				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

LM Start	**7.57**	Rating **	M	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_2022_NA0002_63_90_20220329_00040.jpg

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

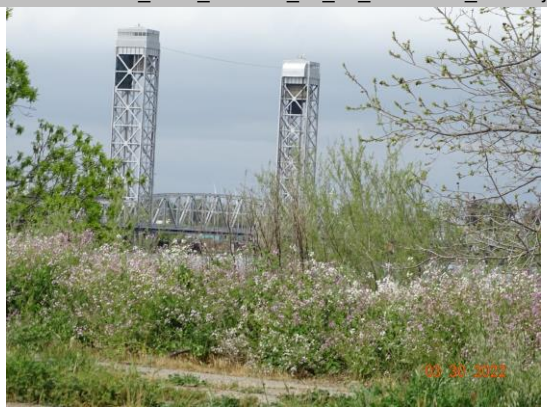
LM Start	**7.60**	Rating **	U	Issue No.	**75**
LM End	**7.93**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.158522 °	38.155458 °
				-121.675609 °	-121.680016 °
DWR ID	DWR_NA0002_02_s _ 2022_75				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_75_20220401_00155.jpg



View of thick vegetation on the waterside slope (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**7.62**	Rating **	U	Issue No.	**55**
LM End	**8.20**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.158511 °	38.151805 °
				-121.675894 °	-121.681874 °
DWR ID	DWR_NA0002_02_s _ 2022_55				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_55_20220401_00156.jpg

View looking upstream at vegetation on the landside slope (Spring 2022).

LM Start	**7.73**	Rating **	U	Issue No.	**58**
LM End	**7.73**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.157695 °	38.157695 °
				-121.677709 °	-121.677709 °
DWR ID	DWR_NA0002_02_f _ 2021_58				

Comment Code

TR : Tree or limb

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_58_20220329_00017.jpg

View of down tree limbs on the landside hinge (Fall 2021).

LM Start	**7.73**	Rating **	M	Issue No.	**83**
LM End	**7.73**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.157658 °	38.157658 °
				-121.677767 °	-121.677767 °
DWR ID	DWR_NA0002_02_s _ 2021_83				

Comment Code

TR : Tree or limb

Inspector Comment

Cut up tree limb on waterside hinge.

Photo 1 of 1 : SP_2022_NA0002_63_83_20220329_00035.jpg

View of cut-up tree limb on the waterside hinge (Spring 2021).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**7.77**	Rating **	U	Issue No.	**62**
LM End	**7.82**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.157286 °	38.156785 °
				-121.678223 °	-121.678842 °
DWR ID	DWR_NA0002_02_f _ 2021_62				

Comment Code

TR : Tree or limb

Inspector Comment

Remove large down tree trunks from landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_62_20220329_00020.jpg

View looking downstream at large down tree trunks on the landside slope (Fall 2021).

LM Start	**7.81**	Rating **	C	Issue No.	**86**
LM End	**7.81**	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.156954 °	38.156954 °
				-121.678736 °	-121.678736 °
DWR ID	DWR_NA0002_02_s _ 2021_86				

Comment Code

DE : Debris

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_12869_20933.jpg

PVC pipe, filters, and concrete standpipe on LS.

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

Photo 2 of 3 : UCIP_SP_2022_12869_20932.jpg

Pumphouse and pipe on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_12869_20931.jpg

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

LM Start	**7.93**	Rating **	U	Issue No.	**72**
LM End	**7.93**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.155487 °	38.155487 °
				-121.679997 °	-121.679997 °
DWR ID	DWR_NA0002_02_f _ 2021_72				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2022_NA0002_63_72_20220329_00030.jpg

View of large down tree limb on the landside hinge (Fall 2021).

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**7.94**	Rating **	U	Issue No.	**65**
LM End	**7.94**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.155373 °	38.155373 °
				-121.680090 °	-121.680090 °
DWR ID	DWR_NA0002_02_s _ 2022_65				

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_65_20220401_00157.jpg

View of large down tree on the landside slope (Spring 2022).

LM Start	**7.95**	Rating **	M	Issue No.	**63**
LM End	**7.95**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.155224 °	38.155224 °
				-121.680164 °	-121.680164 °
DWR ID	DWR_NA0002_02_f _ 2021_63				

Comment Code

FW : Firewood

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_63_20220329_00021.jpg

View of cut up tree logs on the waterside hinge (Fall 2021).

LM Start	**8.03**	Rating **	U	Issue No.	**60**
LM End	**8.03**	Issue Type +	Ma	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_2022_NA0002_63_60_20220329_00019.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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

Photo 1 of 3 : UCIP_SP_2022_16143_27242.jpg

Pump and butterfly valve in pumphouse on LS toe.

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

Photo 2 of 3 : UCIP_SP_2022_16143_27241.jpg

Pumphouse with concrete standpipe in background on LS toe.

* 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 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	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_2022_16143_27240.jpg

Pipe on WS slope.

LM Start	**8.17**	Rating **	M	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

V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.

Inspector Comment

Remove arundo on the waterside slope.

Photo 1 of 1 : SP_2022_NA0002_63_92_20220329_00041.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**8.20**	Rating **	U	Issue No.	**69**
LM End	**8.42**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.151867 °	38.148711 °
				-121.682201 °	-121.682790 °
DWR ID	DWR_NA0002_02_s _ 2022_69				

Comment Code

Inspector Comment

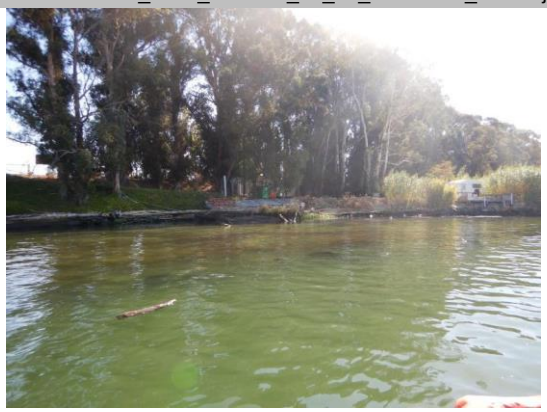
2018 Site ID: SAC 12.1 L
Status: Critical
2018 Field Notes: No observed change.
Site History: 2010 - Small inlet area behind a man-built spit. Bank is slumping and could possibly be fixed with maintenance. 2011 - Site continues to worsen. 2015 - Upgraded to CRITICAL. 2016 - Site continues to get worse. 2017 - Continues to worsen and threaten the road.

Photo 1 of 2 : SP_2022_NA0002_63_69_20220329_00026.jpg

USACE 2018 Erosion Photo #1

LM Start	**8.20**	Rating **	U	Issue No.	**69 (cont)**
LM End	**8.42**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2022_NA0002_63_69_20220329_00027.jpg



USACE 2018 Erosion Photo #2

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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	Trim / Thin Trees			38.150168 °	38.149698 °
				-121.682159 °	-121.682255 °
DWR ID	DWR_NA0002_02_f _ 2018_158				

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Remove the downed trees from landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_158_20220401_00164.jpg

View of down trees on the landside slope (Spring 2022).

LM Start	**8.32**	Rating **	M	Issue No.	**105**
LM End	**8.57**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.150168 °	38.146481 °
				-121.682160 °	-121.682827 °
DWR ID	DWR_NA0002_02_f _ 2021_105				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level 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	Trim / Thin Trees			38.148959 °	38.148959 °
				-121.682385 °	-121.682385 °
DWR ID	DWR_NA0002_02_f _ 2019_157				

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Remove the downed tree from the landside slope.

Photo 1 of 1 : SP_2022_NA0002_63_157_20220401_00163.jpg

View of down tree on the landside slope (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**8.44**	Rating **	M	Issue No.	**106**
LM End	**8.44**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.148444 °	38.148444 °
				-121.682445 °	-121.682445 °
DWR ID	DWR_NA0002_02_f _ 2021_106				

Comment Code

TR : Tree or limb

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_106_20220401_00161.jpg

View of down tree on the landside slope (Spring 2022).

LM Start	**8.44**	Rating **	M	Issue No.	**77**
LM End	**8.44**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.148405 °	38.148405 °
				-121.682580 °	-121.682580 °
DWR ID	DWR_NA0002_02_s _ 2022_77				

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_77_20220401_00158.jpg

View of trees needing trimming on the waterside slope (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**8.55**	Rating **	M	Issue No.	**40**
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_2022_12886_20946.jpg

Gasline marker and vent to right of JP.

LM Start	**8.55**	Rating **	M	Issue No.	**40 (cont)**
LM End	**8.55**	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2022_12886_20945.jpg

Gasline marker and vent to right of JP.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**8.57**	Rating **	M	Issue No.	**81**
LM End	**10.14**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.146519 °	38.124814 °
				-121.682835 °	-121.689682 °
DWR ID	DWR_NA0002_02_s _ 2022_81				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**8.96**	Rating **	U	Issue No.	**68**
LM End	**9.31**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.141399 °	38.136227 °
				-121.685346 °	-121.687361 °
DWR ID	DWR_NA0002_02_s _ 2022_68				

Comment Code

Inspector Comment

2018 Site ID: SAC 11.2 L
Status: Critical
2018 Field Notes: Erosion is now into levee crown
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. 2017 - New slump section. Erosion under the road has enlarged.

Photo 1 of 2 : SP_2022_NA0002_63_68_20220329_00024.jpg

USACE 2018 Erosion Photo #1

LM Start	**8.96**	Rating **	U	Issue No.	**68 (cont)**
LM End	**9.31**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2022_NA0002_63_68_20220329_00025.jpg

USACE 2018 Erosion Photo #2

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**9.01**	Rating **	C	Issue No.	**57**
LM End	**9.06**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.140501 °	38.139722 °
				-121.685151 °	-121.685524 °
DWR ID	DWR_NA0002_02_s _ 2021_57				

Comment Code

DE : Debris

Inspector Comment

No Photos

LM Start	**9.02**	Rating **	M	Issue No.	**41**
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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

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	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	**9.14**	Rating **	M	Issue No.	**87**
LM End	**9.14**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.138718 °	38.138718 °
				-121.685925 °	-121.685925 °
DWR ID	DWR_NA0002_02_s _ 2022_87				

Comment Code

BU : Building

Inspector Comment

Shipping container at landside toe.

Photo 1 of 1 : SP_2022_NA0002_63_87_20220401_00159.jpg

View of shipping container recently placed at landside toe (Spring 2022).

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**9.21**	Rating **	U	Issue No.	**85**
LM End	**9.21**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.137720 °	38.137720 °
				-121.686205 °	-121.686205 °
DWR ID	DWR_NA0002_02_s _ 2022_85				

Comment Code

T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.

Inspector Comment

Photo 1 of 1 : SP_2022_NA0002_63_85_20220401_00160.jpg

View of thick trees on the landside slope (Spring 2022).

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. Rock piles that were source have been removed.

Photo 1 of 2 : SP_2022_NA0002_63_67_20220329_00022.jpg

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

LM Start	**9.36**	Rating **	U	Issue No.	**67 (cont)**
LM End	**10.03**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2022_NA0002_63_67_20220329_00023.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**9.36**	Rating **	M	Issue No.	**43**
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_2022_40528_21002.jpg

Pipe on WS slope.

LM Start	**9.36**	Rating **	M	Issue No.	**43 (cont)**
LM End	**9.36**	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2022_40528_21001.jpg

18-inch CMP with 12-inch irrigation pipe sleeved through it.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**9.36**	Rating **	M	Issue No.	**43 (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 3 of 3 : UCIP_SP_2022_40528_21000.jpg

Standpipe and concrete box at LS.

LM Start	**9.50**	Rating **	M	Issue No.	**44**
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

Photo 1 of 2 : UCIP_SP_2022_16146_27251.jpg

Gasline Marker on WS shoulder

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**9.50**	Rating **	M	Issue No.	**44 (cont)**
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				

Photo 2 of 2 : UCIP_SP_2022_16146_27250.jpg

Gasline Marker on LS shoulder

LM Start	**9.78**	Rating **	M	Issue No.	**51**
LM End	**9.93**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.129722 °	38.127672 °
				-121.687468 °	-121.688646 °
DWR ID	DWR_NA0002_02_s _ 2022_51				

Comment Code

Inspector Comment

2018 Site ID: SAC 10.8 L
Status: Critical
2018 Field Notes: Site extended upstream and upgraded to CRITICAL. New erosion vertical from levee crown down.
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. 2017 - Lots of new woody debris recruitment.

Photo 1 of 2 : SP_2022_NA0002_63_51_20220329_00012.jpg

USACE 2018 Erosion Photo #1

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2022

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	11.54	03/30/2022 03/30/2022	David Julian

LM Start	**9.78**	Rating **	M	Issue No.	**51 (cont)**
LM End	**9.93**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.129722 °	38.127672 °
				-121.687468 °	-121.688646 °
DWR ID	DWR_NA0002_02_s _ 2022_51				

Photo 2 of 2 : SP_2022_NA0002_63_51_20220329_00013.jpg

USACE 2018 Erosion Photo #2

LM Start	**10.54**	Rating **	U	Issue No.	**89**
LM End	**10.95**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.119445 °	38.114375 °
				-121.692811 °	-121.696559 °
DWR ID	DWR_NA0002_02_f _ 2021_89				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					
Trim back arundo.					

Photo 1 of 1 : SP_2022_NA0002_63_89_20220329_00039.jpg

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

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_2022_NA0002_63_119_20220329_00052.jpg

Looking northwest at the waterside slope.

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