

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD0817_01_f_2014_5				
Comment Code					
Inspector Comment					
LMA regularly attends flood fight training put on by RD784 and DWR .					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD0817_01_s_2013_9				
Comment Code					
Inspector Comment					
The manuals are located at Tom Englers office and at Joe Conant's office.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD0817_01_s_2013_10				
Comment Code					
Inspector Comment					
LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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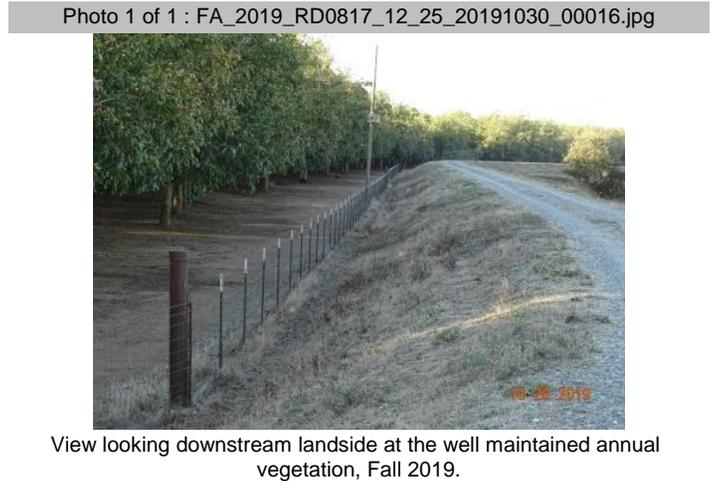
**Flood Control Project Maintenance
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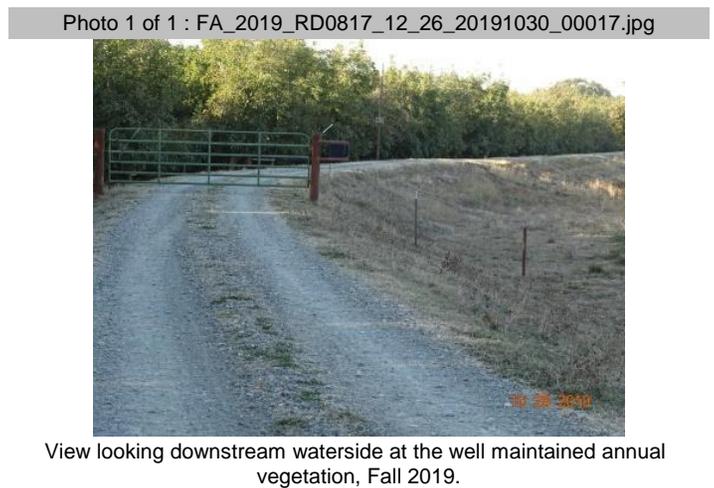
Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	0.01	Rating **	A	Issue No.	25
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984838°	38.995515°	
			-121.506067°	-121.491157°	
DWR ID	DWR_RD0817_01_f_2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					



LM Start	0.01	Rating **	A	Issue No.	26
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984859°	38.995515°	
			-121.506056°	-121.491157°	
DWR ID	DWR_RD0817_01_f_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	0.29	Rating **	M	Issue No.	27 (cont)	
LM End	0.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.987813°	38.987813°	
				-121.502963°	-121.502963°	
DWR ID	18985					
Comment Code						
Inspector Comment						
DS_ID:18985 FS_ID:54440 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 DMP Internal Inspection Report shows minor defects in the pipe through the levee. This pipe is considered Non-Urgent: Low Priority. District Engineer, Tom Engler, recommends lining or removing/replacing pipe. The pipe is a critical pipe for the District since it handles a large portion of the drainage into Dry Creek. The pipe is responsible for draining most of the Wheatland basin into Dry Creek. Mr. Tom Engler recommends replacing the pipe to current standards including adding positive closure device on both sides of the levee so that the District has a backup if/when the flap gate located on the WS eventually fails. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/16/2013 Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 23.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 0.28)]. FS Date: 4/16/2013						

Photo 3 of 3 : UCIP_FA_2019_54440_19863.jpg



WS- dense vegetation on WS of the levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.34	Rating **	M	Issue No.	35
LM End	1.34	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.997961 °	38.997961 °	
			-121.488455 °	-121.488455 °	
DWR ID	18987				
Comment Code					
Inspector Comment					
DS_ID:18987 FS_ID:54435 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/16/2013 Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 14.9 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.34)]. FS Date: 4/16/2013					

Photo 1 of 3 : UCIP_FA_2019_54435_19882.jpg



WS- overview of WS area

LM Start	1.34	Rating **	M	Issue No.	35 (cont)
LM End	1.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54435_19881.jpg



WS- closer look at damaged slide gate on WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.62	Rating **	M	Issue No.	36
LM End	1.62	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.001340°	39.001340°	
			-121.485740°	-121.485740°	
DWR ID	18988				
Comment Code					
Inspector Comment					
DS_ID:18988 FS_ID:54436 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP)04/16/2013 A burried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 13.8 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.62)]. FS Date: 4/16/2013					

Photo 1 of 3 : UCIP_FA_2019_54436_19892.jpg



WS- overview of WS berm

LM Start	1.62	Rating **	M	Issue No.	36 (cont)
LM End	1.62	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54436_19891.jpg



WS- slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	2.96	Rating **	M	Issue No.	46
LM End	2.96	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.012552°	39.012552°	
			-121.466538°	-121.466538°	
DWR ID	18992				
Comment Code					
Inspector Comment					
DS_ID:18992 FS_ID:54438 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 03/26/2015 Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal gravity drainage pipe through the levee, 13.7 feet below the crown. Slide gate on the waterside (WS) end. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.97)]. FS Date: 3/26/2015					

Photo 1 of 3 : UCIP_FA_2019_54438_73422.jpg



Pipe and flapgate visible on WS toe.

LM Start	2.96	Rating **	M	Issue No.	46 (cont)
LM End	2.96	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54438_73421.jpg



Pipe and flapgate visible on WS toe.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	2.96	Rating **	M	Issue No.	46 (cont)
LM End	2.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.012552°	39.012552°
				-121.466538°	-121.466538°
DWR ID	18992				
Comment Code					
Inspector Comment					
DS_ID:18992 FS_ID:54438 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 03/26/2015 Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal gravity drainage pipe through the levee, 13.7 feet below the crown. Slide gate on the waterside (WS) end. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.97)]. FS Date: 3/26/2015					

Photo 3 of 3 : UCIP_FA_2019_54438_73420.jpg



LS of pipe burried but alignment would place LS outlet just left of telephone pole on LS toe.

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Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	9
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984722°	38.993891°	
			-121.506111°	-121.448154°	
DWR ID	DWR_RD0817_02_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_13_9_20191030_00024.jpg



View looking upstream landside at the well maintained annual vegetation, Fall 2019.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	3.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.984722°	38.993891°	
			-121.506112°	-121.448154°	
DWR ID	DWR_RD0817_02_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_13_10_20191030_00025.jpg



View looking upstream waterside at the well maintained annual vegetation, Fall 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.08	Rating **	A/W	Issue No.	13
LM End	3.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.989338°	38.994124°	
			-121.468640°	-121.449448°	
DWR ID	DWR_RD0817_02_s_2012_10				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:162					
Site Designation:DWR_RD0817_02_s_2012_10					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:6/5/2017					
Notes: Stability issues are due to levee geometry. Narrow steep slopes.					

Photo 1 of 3 : LEVAL_FA_2019_162_287.jpg



LM Start	2.08	Rating **	A/W	Issue No.	13 (cont)
LM End	3.18	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL_FA_2019_162_288.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.08	Rating **	A/W	Issue No.	13 (cont)
LM End	3.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.989338°	38.994124°	
			-121.468640°	-121.449448°	
DWR ID	DWR_RD0817_02_s_2012_10				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:162					
Site Designation:DWR_RD0817_02_s_2012_10					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:6/5/2017					
Notes: Stability issues are due to levee geometry. Narrow steep slopes.					

Photo 3 of 3 : LEVAL_FA_2019_162_289.jpg



LM Start	2.72	Rating **	A/W	Issue No.	14
LM End	2.74	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.992170°	38.992217°	
			-121.457332°	-121.456967°	
DWR ID	240-3				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:161					
Site Designation:240-3					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/5/2017					
Notes: No issue found. Narrow levee with steep slopes. Did not investigate bench due to rattlesnake concerns. Possible alternate location at 38.993282; -121.451562.					

Photo 1 of 3 : LEVAL_FA_2019_161_1065.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	3.63	Rating **	A/W	Issue No.	17
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.992774°	38.992774°	
			-121.441323°	-121.441323°	
DWR ID	DWR_RD0817_02_f_2016_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.25	Rating **	A	Issue No.	8
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.987613°	38.996901°	
			-121.506580°	-121.491938°	
DWR ID	DWR_RD0817_03_f_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					



LM Start	0.26	Rating **	A	Issue No.	9
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.987665°	38.996901°	
			-121.506479°	-121.491938°	
DWR ID	DWR_RD0817_03_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.27	Rating **	U	Issue No.	16
LM End	0.27	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.987762°	38.987762°	
			-121.506271°	-121.506271°	
DWR ID	22949				
Comment Code					
Inspector Comment					
DS_ID:22949 FS_ID:54258 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall on the waterside (WS) end, headwall not found in 2016. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 21+35), As-Built Drawing No. 2-4-106, Sheet 2, (Station 21+35)]. FS Date: 6/30/2016 9:02:00 AM					

Photo 1 of 3 : UCIP_FA_2019_54258_54271.jpg



Pipe at LS toe

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.27	Rating **	U	Issue No.	16 (cont)
LM End	0.27	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.987762°	38.987762°	
			-121.506271°	-121.506271°	
DWR ID	22949				
Comment Code					
Inspector Comment					
<p>DS_ID:22949 FS_ID:54258 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall on the waterside (WS) end, headwall not found in 2016. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 21+35), As-Built Drawing No. 2-4-106, Sheet 2, (Station 21+35)]. FS Date: 6/30/2016 9:02:00 AM</p>					

Photo 3 of 3 : UCIP_FA_2019_54258_54269.jpg



Flap gate blocked by vegetation on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.54	Rating **	U	Issue No.	18
LM End	0.54	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.989915°	38.989915°	
			-121.502113°	-121.502113°	
DWR ID	22950				

Comment Code

Inspector Comment

DS_ID:22950
 FS_ID:54254
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends lining or removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has several sections of wall missing throughout the pipe length, and there is significant pipe deformation on the LS. Spoke with Tom Engler (MBK Engeers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Holes still present through pipe on corroded landside (LS) end. Pipe still half full of debris as visible thru LS end. Good candidate for removal via DWR's Deferred Maintenance Program. WS vegetation cleared in the immediate vicinity of flapgate. Potential for overgrowth at WS end nevertheless imminent. Note that this pipe does not cause LS nuisance flooding per Tom Engler of MBK. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and failing at inlet an outlet. (G. Wylie - FPIIB)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.5 feet below the crown. Flap gate and headwall on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 35+57), As-Built Drawing No. 2-4-106, Sheet 4, (Station 35+57)].
 FS Date: 10/30/2018 1:50:00 PM

Photo 1 of 3 : UCIP_FA_2019_54254_53849.jpg



Pipe on LS toe corroded through.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.68	Rating **	U	Issue No.	19
LM End	0.68	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.991062°	38.991062°	
			-121.499886°	-121.499886°	
DWR ID	22951				
Comment Code					
Inspector Comment					
<p>DS_ID:22951 FS_ID:54257 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows ponding water along the pipe invert which prevented a full evaluation of the pipe floor and no holes were observed along the pipe section through the levee. However, the pipe wall has corroded significantly (pipe wall material missing) at the outlet. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends removal/replacement of pipe. The District Engineer also recommends upsizing the pipe since drainage has been diverted to this pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe wall has corroded significantly (pipe wall missing) at the outlet. Spoke with Tom Engler (MBK Engineers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)(O. Magana - DWR UCIP)06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS) end. 56-inch by 34-inch concrete inlet box on the landside (LS) toe. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005, USACE Sacramento O&M Manual 145.1, August 1955, (Station 43+17), As-Built Drawing No. 2-4-106, Sheet 4, (Station 43+17)]. FS Date: 10/30/2018 1:51:00 PM</p>					

Photo 1 of 3 : UCIP_FA_2019_54257_53854.jpg



Pipe and flapgate at WS toe blocked by debris.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.68	Rating **	U	Issue No.	19 (cont)
LM End	0.68	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.991062°	38.991062°	
			-121.499886°	-121.499886°	
DWR ID	22951				

Comment Code

Inspector Comment

DS_ID:22951
 FS_ID:54257
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows ponding water along the pipe invert which prevented a full evaluation of the pipe floor and no holes were observed along the pipe section through the levee. However, the pipe wall has corroded significantly (pipe wall material missing) at the outlet. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends removal/replacement of pipe. The District Engineer also recommends upsizing the pipe since drainage has been diverted to this pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe wall has corroded significantly (pipe wall missing) at the outlet. Spoke with Tom Engler (MBK Engineers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)(O. Magana - DWR UCIP)06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS) end. 56-inch by 34-inch concrete inlet box on the landside (LS) toe. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual).
 [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 43+17), As-Built Drawing No. 2-4-106, Sheet 4, (Station 43+17)].
 FS Date: 10/30/2018 1:51:00 PM

Photo 2 of 3 : UCIP_FA_2019_54257_53853.jpg



Holes in pipe at broken flapgate on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.68	Rating **	U	Issue No.	19 (cont)
LM End	0.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.991062°	38.991062°
				-121.499886°	-121.499886°
DWR ID	22951				

Photo 3 of 3 : UCIP_FA_2019_54257_53852.jpg



Improved concrete inlet on LS toe.

Comment Code

Inspector Comment

DS_ID:22951
 FS_ID:54257
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows ponding water along the pipe invert which prevented a full evaluation of the pipe floor and no holes were observed along the pipe section through the levee. However, the pipe wall has corroded significantly (pipe wall material missing) at the outlet. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends removal/replacement of pipe. The District Engineer also recommends upsizing the pipe since drainage has been diverted to this pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe wall has corroded significantly (pipe wall missing) at the outlet. Spoke with Tom Engler (MBK Engineers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)(O. Magana - DWR UCIP)06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS) end. 56-inch by 34-inch concrete inlet box on the landside (LS) toe. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual).
 [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 43+17), As-Built Drawing No. 2-4-106, Sheet 4, (Station 43+17)].
 FS Date: 10/30/2018 1:51:00 PM

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	1.18	Rating **	U	Issue No.	21 (cont)
LM End	1.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.995852°	38.995852°
				-121.493111°	-121.493111°
DWR ID	22952				

Photo 2 of 3 : UCIP_FA_2019_54266_53856.jpg



Pipe cut behind flap gate on WS toe with 8-inch PVC.

Comment Code					
Inspector Comment					

DS_ID:22952
 FS_ID:54266
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 07/25/2019 No DMP Internal Inspection Report was completed for this pipe. This pipe is in failed condition without the use of video inspection. The record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has deteriorated significantly and is no longer used as noted in the 2016 inspection. Spoke with Tom Engler with MBK, District Engineer, and he mentioned that a video inspection has been completed and that a report is in progress. LMA will be seeking funding to address pipe under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: *ABANDONED* 20-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch corrugated metal pipe with the annular space left void. Flap gate on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005, 24-inch corrugated metal pipe (CMP) referenced. USACE Sacramento O&M Manual 145.1, August 1955, (Station 69+17), 18-inch CMP referenced, As-Built Drawing No. 2-4-106, Sheet 4, (Station 69+17)].
 FS Date: 10/30/2018

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

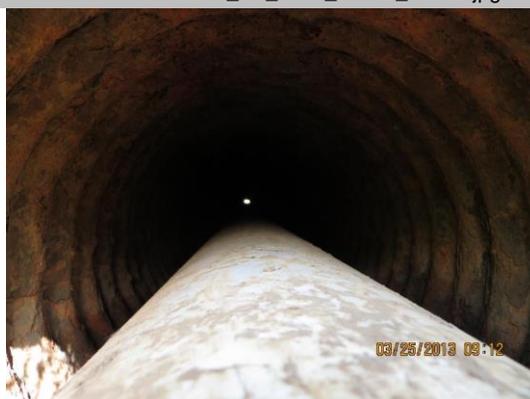
LM Start	1.18	Rating **	U	Issue No.	21 (cont)
LM End	1.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.995852°	38.995852°
				-121.493111°	-121.493111°
DWR ID	22952				

Comment Code

Inspector Comment

DS_ID:22952
 FS_ID:54266
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 07/25/2019 No DMP Internal Inspection Report was completed for this pipe. This pipe is in failed condition without the use of video inspection. The record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has deteriorated significantly and is no longer used as noted in the 2016 inspection. Spoke with Tom Engler with MBK, District Engineer, and he mentioned that a video inspection has been completed and that a report is in progress. LMA will be seeking funding to address pipe under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: *ABANDONED* 20-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch corrugated metal pipe with the annular space left void. Flap gate on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005, 24-inch corrugated metal pipe (CMP) referenced. USACE Sacramento O&M Manual 145.1, August 1955, (Station 69+17), 18-inch CMP referenced, As-Built Drawing No. 2-4-106, Sheet 4, (Station 69+17)].
 FS Date: 10/30/2018

Photo 3 of 3 : UCIP_FA_2019_54266_53855.jpg



Pipe heavily corroded throughout.

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