

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024

### Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0008_01_s _ 2017_3				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
District has levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0008_01_s _ 2013_8				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
District maintains a stockpile of flood fight response material.					

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	Flood Preparedness & Training				
DWR ID	DWR_NA0008_01_s _ 2020_9				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
District has written response plan and regular flood fight training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	1.40	Rating **	M	Issue No.	28
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.733163°	38.733163°
				-121.681901°	-121.681901°
DWR ID	DWR_NA0008_01_f_2024_28				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Tree trunk and limbs on the waterside slope.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_28\_20240923\_00051.jpg



View of tree trunk and limbs on the waterside slope. Fall 2024.

LM Start	1.66	Rating **	A/W	Issue No.	17
LM End	1.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.736300°	38.736300°
				-121.684600°	-121.684600°
DWR ID	DWR_NA0008_01_f_2023_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion within waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_17\_20240909\_00002.jpg



View of erosion on waterside berm. Fall 2023.

LM Start	2.03	Rating **	M	Issue No.	34
LM End	2.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.740511°	38.740688°
				-121.688702°	-121.688867°
DWR ID	DWR_NA0008_01_f_2024_34				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
There is a 100' crack on the crown near the landside shoulder. District is aware of the crack and had it inspected by a Geotech. Recommend monitoring for future movement.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_34\_20240923\_00052.jpg



View of crack on the crown. Fall 2024.

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

**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	2.10	Rating **	M	Issue No.	35
LM End	2.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.741440°	38.741643°
				-121.689562°	-121.689745°
DWR ID	DWR_NA0008_01_f_2024_35				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
There is a 100' crack on the crown near the landside shoulder. The district is aware of the issue and had it inspected by a Geotech. Recommend monitoring for further movement.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_35\_20240923\_00053.jpg



View of crack on the crown. Fall 2024.

LM Start	2.57	Rating **	A/W	Issue No.	25
LM End	2.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.746987°	38.746987°
				-121.694364°	-121.694364°
DWR ID	DWR_NA0008_01_s_2024_25				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
A sinkhole is located on the waterside slope. The pipe is visible from the sinkhole. This is also captured in the U rated UCIP pipe #19364.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_25\_20240923\_00054.jpg



View of sinkhole on the waterside slope. Fall 2024.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	2.58	Rating **	U	Issue No.	41
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.747204°	38.747204°
				-121.694440°	-121.694440°
DWR ID	19391				

**Comment Code**

**Inspector Comment**

DS\_ID:19391  
FS\_ID:83872  
EP\_NO: 9307  
Repair Type: Urgent  
EVAL Issue: 1, Pipe Integrity  
Crossing Status: Found  
UCIP Comments: 04/03/2024 Record remains Urgent. DMP internal video inspection has found severe pipe defects. Erosion observed on both sides of concrete headwall at riverbank. Still missing walkway to the slide gate actuator on waterside. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O. Yakimov - DWR UCIP)  
12/14/2022 Record updated from Non-Urgent to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. (O.Yakimov - DWR UCIP)  
10/8/2019 Record remains Non-Urgent. slide gate actuator is not accessible without use of equipment. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) 04/05/2013 Walkway to actuator slide gate is missing. No method of actuating slide gate. (W.Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 48-inch by 48-inch reinforced concrete box drainage culvert through the levee, 23 feet below the crown. Walkway to slide gate on the waterside (WS) end, not found. Concrete headwalls on both ends. Concrete headwalls on both ends. (4-foot by 4-foot culvert [HLM 2.62] authorized under Automatic Board Order (ABO) issued as Permit No. 9307, 1974 - Azalene E. Lowe. 24-inch drainage pipe at this location authorized under Permit No. 848, 1942 - W. K. Lowe).  
[Additional Reference(s): DWR Levee Log, 1990 (HLM 2.62). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 23 November 2021, (Station 123+55.5), listed as 4-foot by 4-foot concrete box. USACE As-Built Drawing No. 50-04-2848, 3 March 1953, Sheets 3 and 8, STA 123+55.5].  
FS Date: 4/3/2024

Photo 1 of 3 : UCIP\_FA\_2024\_83872\_123245.jpg



Top of Levee: View of levee crown looking upstream

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



**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	2.58	Rating **	U	Issue No.	41 (cont)
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.747204°	38.747204°
				-121.694440°	-121.694440°
DWR ID	19391				

Photo 2 of 3 : UCIP\_FA\_2024\_83872\_123246.jpg



Water-Side: View of levee slope looking from crown. Concrete headwall with slide gate at riverbank

LM Start	<b>2.58</b>	Rating **	U	Issue No.	<b>41 (cont)</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2024\_83872\_123242.jpg



Water-Side: Concrete headwall with slide gate at riverbank. Erosion on both sides of headwall

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	2.67	Rating **	A	Issue No.	42
LM End	2.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.748391°	38.748391°
				-121.694814°	-121.694814°
DWR ID	19365				
Comment Code					
Inspector Comment					
DS_ID:19365 FS_ID:83884 EP_NO: 9301 Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 04/03/2024 Record updated from Non-Urgent to No Action Needed. No issues observed during inspection. (O. Yakimov - DWR UCIP) 10/8/2019 Record updated from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 18-inch steel drainage pipe through the levee, 6.4 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump house mounted on concrete box in irrigation ditch at the landside (LS) toe. (18-inch and 24-inch pipes [HLM 2.70] authorized under Automatic Board Order (ABO) issued as Permit No. 9301, 1974 - Reclamation District No. 730). [Additional Reference(s): DWR Levee Log, 1990 (HLM 2.70). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 23 November 2021, (Station 128+00), listed as 18-inch pipe. USACE As-Built Drawing No. 50-04-2848, 3 March 1953, Sheet 3, STA 128+00]. FS Date: 4/3/2024 1:51:40 PM					

LM Start	<b>2.67</b>	Rating **	A	Issue No.	<b>42 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2024\_83884\_123285.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2024\_83884\_123283.jpg



Water-Side: View of levee slope looking from crown. Pipes daylight on the slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	2.67	Rating **	A	Issue No.	42 (cont)
LM End	2.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.748391°	38.748391°
				-121.694814°	-121.694814°
DWR ID	19365				

Photo 3 of 3 : UCIP\_FA\_2024\_83884\_123284.jpg



Land-Side: View of levee slope looking from crown. Pumping structure in drainage ditch at levee toe

LM Start	2.67	Rating **	A	Issue No.	43
LM End	2.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.748404°	38.748404°
				-121.694818°	-121.694818°
DWR ID	19392				

## Comment Code

## Inspector Comment

DS\_ID:19392  
FS\_ID:83885  
EP\_NO: 9301  
Repair Type: No Action Needed  
EVAL Issue:  
Crossing Status: Found  
UCIP Comments: 04/03/2024 Record updated from Non-Urgent to No Action Needed. No issues observed during inspection. (O. Yakimov - DWR UCIP)  
10/8/2019 Record updated from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 2 of 2: 24-inch steel drainage pipe through the levee, 7.3 feet below the crown. Pump house mounted on concrete box in irrigation ditch at the landside (LS) toe. Siphon breaker in riser on the waterside (WS) slope. (24-inch and 18-inch pipes [HLM 2.70] authorized under Automatic Board Order (ABO) issued as Permit No. 9301, 1974 - Reclamation District No. 730). [Additional Reference(s): DWR Levee Log, 1990 (HLM 2.70). USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 23 November 2021, (Station 128+00), listed as 24-inch pipe. USACE As-Built Drawing No. 50-04-2848, 3 March 1953, Sheet 3, STA 128+00].  
FS Date: 4/3/2024 1:56:09 PM

Photo 1 of 3 : UCIP\_FA\_2024\_83885\_123291.jpg



Top of Levee: View of levee crown looking downstream

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



**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	2.67	Rating **	A	Issue No.	43 (cont)
LM End	2.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.748404°	38.748404°
				-121.694818°	-121.694818°
DWR ID	19392				

Photo 2 of 3 : UCIP\_FA\_2024\_83885\_123289.jpg



Water-Side: View of levee slope looking from crown. Pipes daylight on the slope

LM Start	<b>2.67</b>	Rating **	A	Issue No.	<b>43 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2024\_83885\_123290.jpg



Land-Side: View of levee slope looking from crown. Pumping structure in drainage ditch at levee toe

LM Start	3.05	Rating **	C	Issue No.	27
LM End	3.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.753900°	38.753900°
				-121.694500°	-121.694500°
DWR ID	DWR_NA0008_01_s_2024_27				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	3.31	Rating **	C	Issue No.	32
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.757695°	38.757695°
				-121.694859°	-121.694859°
DWR ID	DWR_NA0008_01_s_2024_32				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

LM Start	3.36	Rating **	M	Issue No.	19
LM End	3.44	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.758432°	38.759332°
				-121.695158°	-121.696063°
DWR ID	DWR_NA0008_01_s_2022_19				
Comment Code					
Inspector Comment					
2018 Site ID: KLR 3.5 R					
Status: Eroding					
2018 Field Notes: Last observed in 2011. Access issues prevented inspection in 2017.					
Site History: 2011 - Toe scour and bank slumping.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_19\_20240909\_00003.jpg



View of erosion at the waterside toe. Spring 2022.

LM Start	3.37	Rating **	C	Issue No.	23
LM End	3.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.758477°	38.758477°
				-121.695431°	-121.695431°
DWR ID	DWR_NA0008_01_f_2022_23				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	3.50	Rating **	M	Issue No.	20
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.759910°	38.759910°
				-121.696920°	-121.696920°
DWR ID	DWR_NA0008_01_f_2015_20				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_20\_20240909\_00004.jpg



View of erosion on the waterside slope. Fall 2022.

LM Start	3.67	Rating **	A/W	Issue No.	36
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.761681°	38.761681°
				-121.698991°	-121.698991°
DWR ID	DWR_NA0008_01_f_2024_36				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Section of levee where the middle channel divider opens up and there is more turbulent flow. Waterside toe has a vertical wall, but there is no erosion within the prism. Recommend monitoring.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_36\_20240923\_00055.jpg



View of erosion at the waterside toe. Fall 2024.

LM Start	3.78	Rating **	U	Issue No.	30
LM End	3.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.762886°	38.762886°
				-121.700406°	-121.700406°
DWR ID	DWR_NA0008_01_s_2017_30				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is a hole from a fallen tree at the waterside toe.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_30\_20240909\_00010.jpg



View of erosion at the waterside toe. Spring 2024.

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



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Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	3.86	Rating **	M	Issue No.	31
LM End	3.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.763751°	38.763751°
				-121.701398°	-121.701398°
DWR ID	DWR_NA0008_01_s_2018_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The erosion appears to be stable but should be repaired.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_31\_20240909\_00011.jpg



View of erosion at the waterside toe. Spring 2024.

LM Start	3.88	Rating **	M	Issue No.	21
LM End	3.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.764037°	38.764905°
				-121.701434°	-121.702074°
DWR ID	DWR_NA0008_01_s_2022_21				
Comment Code					
Inspector Comment					
2018 Site ID: KLR 3.9 R					
Status: Eroding					
2018 Field Notes: Last observed in 2011. Access issues prevented inspection in 2017.					
Site History: 2011 - Toe erosion and erosion pockets from tree popouts. More tree popouts are expected due to the eroding toe.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_21\_20240923\_00056.jpg



View of erosion at the waterside toe. Fall 2024.

LM Start	3.92	Rating **	M	Issue No.	29
LM End	3.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.764500°	38.764500°
				-121.702000°	-121.702000°
DWR ID	DWR_NA0008_01_f_2023_29				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					
Fallen tree with root ball at the waterside toe.					

Photo 1 of 1 : FA\_2024\_NA0008\_256\_29\_20240923\_00057.jpg



View of fallen tree and hole on the waterside slope. Fall 2024.

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



**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	5.29	Rating **	C	Issue No.	24
LM End	5.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.781673°	38.781673°
				-121.712776°	-121.712776°
DWR ID	DWR_NA0008_01_s _ 2023_24				
Comment Code					
T3 : Fallen tree with root ball.					
Inspector Comment					

No Photos

LM Start	5.50	Rating **	C	Issue No.	33
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.783868°	38.783868°
				-121.715561°	-121.715561°
DWR ID	DWR_NA0008_01_s _ 2024_33				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	6.34	Rating **	M	Issue No.	49
LM End	6.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.792415°	38.792415°
				-121.726588°	-121.726588°
DWR ID	19389				
Comment Code					
Inspector Comment					
DS_ID:19389 FS_ID:84641 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 08/19/2024 Coordinates of this cross were updated after review of O&M Manual and As-Built drawings. (O. Yakimov - DWR UCIP) 04/03/2024 Record remains 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. (O. Yakimov - DWR UCIP) 0/8/2019 Record updated from No Action Needed to Non-Urgent. Crossing not found. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe partially through the levee, approximately 4 feet below the crown. Pipe crossing waterside slope and partially goes through levee crown according to as-built drawings. [Additional Reference(s): USACE Sacramento O&M Manual, Unit 127, June 1953, Revised 23 November 2021, (Station 323+00), listed as 48-inch pipe not going entirely through levee. USACE As-Built Drawing No. 50-04-2848, 3 March 1953, Sheet 5, STA 323+00]. FS Date: 4/3/2024 3:03:22 PM					

LM Start	6.34	Rating **	M	Issue No.	49 (cont)
LM End	6.34	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2024\_84641\_123370.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_FA\_2024\_84641\_123371.jpg



Land-Side: View of levee slope looking from crown

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

**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.36	09/23/2024 09/23/2024	Zach Jojola

LM Start	6.34	Rating **	M	Issue No.	49 (cont)	
LM End	6.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.792415°		38.792415°
				-121.726588°		-121.726588°
DWR ID	19389					

Photo 3 of 3 : UCIP\_FA\_2024\_84641\_123372.jpg



Water-Side: View of levee slope looking from crown

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	1.27	Rating **	A/W	Issue No.	13
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.736359°	38.736359°
				-121.682424°	-121.682424°
DWR ID	DWR_NA0008_02_s_2024_13				
Comment Code					
T2 : Tree or limb.					
Inspector Comment					
Fallen tree in the channel. No root ball, but could potentially cause erosion in the future. Recommend monitoring.					

Photo 1 of 1 : FA\_2024\_NA0008\_257\_13\_20240923\_00030.jpg



View of fallen tree at the waterside toe. Fall 2024.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	1.89	Rating **	M	Issue No.	34
LM End	1.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.743708°	38.743708°
				-121.689118°	-121.689118°
DWR ID	25471				
Comment Code					
Inspector Comment					
DS_ID:25471 FS_ID:83912 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/03/2024 Record remains Non-Urgent. Requested CVFPB to evaluate this crossing for a possibility to issue a separate permit. No other issues observed during inspection. (O. Yakimov - DWR UCIP) 10/08/2019 Record remains Non-Urgent. Encroachment permit is missing. No details provided from Levee Improvement Project. (O. Yakimov - DWR UCIP) 09/27/2017 Previous 12-inch pipe (see DSID 19371) was replaced with new 18-inch steel pipe as part of the Knights Landing 2015 Levee Repair Project. No integrity issues were recorded by DWR levee inspector Zachary Jojola. Inspector located the concrete headwall, flap gate, and manual operator for the 12-inch pipe. No as-builts have been received to confirm the details of the new pipe or the abandoned structures allowed to remain from the previous structure. UCIP staff will need to follow-up with LMA to obtain as-built records and authorizing permit. (DWR UCIP - O. Magana) 09/01/2016 - pipe was replaced as part of the knights landing 2015 levee repair project. UCIP has requested the As-builts from the LMA and will update the record when those are received. (T. Hatch/UCIP) FIELD_STRUCT_DESC: 1 of 2: 18-inch steel drainage pipe through the levee, at an unknown depth. Pump in a metal pumphouse on the landside (LS) toe in a drainage canal. Diesel generator on concrete pad at LS toe with wired connection to electrical panel at the same location. Electrical conduit buried on LS berm to the pumphouse. Concrete headwall on the waterside (WS) toe. Flap gate on the WS at the headwall. Manhole labeled storm drain at the WS shoulder, air vent on LS shoulder. This crossing replaces 12-inch pipe (see DSID 19371). (Replacement of pump station discharge lines as a part of Levee Improvement Project authorized under Permit No. 18905, 2014 - Knights Landing Ridge Drainage District, 18-inch pipe installed). FS Date: 4/3/2024 10:35:21 AM					

Photo 1 of 3 : UCIP\_FA\_2024\_83912\_123414.jpg



Top of Levee: View of levee crown looking downstream

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

**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	1.89	Rating **	M	Issue No.	34 (cont)
LM End	1.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.743708°	38.743708°
				-121.689118°	-121.689118°
DWR ID	25471				

Photo 2 of 3 : UCIP\_FA\_2024\_83912\_123410.jpg



Land-Side: View of levee slope looking from crown. Pump house in drainage ditch off levee toe

LM Start	1.89	Rating **	M	Issue No.	34 (cont)
LM End	1.89	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2024\_83912\_123411.jpg



Land-Side: View of a pump house in drainage ditch off levee toe

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



**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	1.89	Rating **	A	Issue No.	35	
LM End	1.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.743766°	38.743766°	
				-121.689170°	-121.689170°	
DWR ID	25597					
Comment Code						
Inspector Comment						
DS_ID:25597						
FS_ID:79242						
EP_NO: N/A						
Repair Type: No Action Needed						
EVAL Issue:						
Crossing Status: Found						
UCIP Comments: 04/03/2024 Record is No Action Needed. No issues observed during inspection. (O. Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 2: 24-inch steel drainage pipe through the levee, 18.5 feet below the crown. Concrete box with slide gate on WS shoulder. Flap gate on the waterside (WS) end. Open on the landside (LS) end. LS toe cobble revetted. This crossing replaces 24-inch pipe (see DSID 19399). (24-inch pipe authorized under Permit No. 18905-1, 2019 - Knights Landing Ridge Drainage District).						
FS Date: 4/3/2024						

LM Start	1.89	Rating **	A	Issue No.	35 (cont)
LM End	1.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2024\_79242\_123417.jpg



Top of Levee: View of levee crown looking upstream

Photo 2 of 3 : UCIP\_FA\_2024\_79242\_123418.jpg



Land-Side: View of levee slope looking from crown. Drainage ditch off levee toe

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

**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	1.89	Rating **	A	Issue No.	35 (cont)
LM End	1.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.743766°	38.743766°
				-121.689170°	-121.689170°
DWR ID	25597				

Photo 3 of 3 : UCIP\_FA\_2024\_79242\_123421.jpg



Land-Side: Pipe inlet in drainage ditch off levee toe

LM Start	2.72	Rating **	A/W	Issue No.	8
LM End	2.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.754899°	38.757925°
				-121.692653°	-121.693048°
DWR ID	DWR_NA0008_02_s_2022_8				

**Comment Code****Inspector Comment**

2018 Site ID: KLR 3.0 L  
Status: Eroding  
2018 Field Notes: Last observed in 2011. Access issues prevented inspection in 2017.  
Site History: 2006 - The whole levee toe area is slowly slumping into the channel (creep) due to dewatering and poor slope soils. Occasional piping in the levee slope evident as well. Pistol-butted trees at the levee toe indicate slow retreat. 2011 - Multiple scallops throughout the site and slumping of the toe.

DWR Inspector Comment: District placed riprap along the toe.

Photo 1 of 1 : FA\_2024\_NA0008\_257\_8\_20240909\_00003.jpg



View of repaired waterside slope. Fall 2022.

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

**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	2.98	Rating **	A/W	Issue No.	9
LM End	3.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.758587°	38.760053°
				-121.693359°	-121.694686°
DWR ID	DWR_NA0008_02_s_2022_9				
Comment Code					
Inspector Comment					
2018 Site ID: KLR 3.1 L					
Status: Eroding					
2018 Field Notes: Last observed in 2011. Access issues prevented inspection in 2017.					
Site History: 2006 - The whole levee toe area is slowly slumping into the channel (creep) due to dewatering and poor slope soils. Occasional piping in the levee slope evident as well. Pistol-butted trees at the levee toe indicate slow retreat. 2011 - Slumping of the levee toe.					
DWR Comment: As of this inspection date, the district has a contractor repairing this section of levee.					

Photo 1 of 1 : FA\_2024\_NA0008\_257\_9\_20240923\_00029.jpg



View of erosion repair at the waterside toe. Fall 2024.

LM Start	3.23	Rating **	M	Issue No.	16
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.761431°	38.761431°
				-121.696120°	-121.696120°
DWR ID	DWR_NA0008_02_f_2024_16				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					
Small oak trees on the landside toe. Recommend removing.					

Photo 1 of 1 : FA\_2024\_NA0008\_257\_16\_20240923\_00028.jpg



View of woody vegetation at the landside toe. Fall 2024.

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



**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	3.23	Rating **	M	Issue No.	17
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.761432°	38.761432°
				-121.696120°	-121.696120°
DWR ID	DWR_NA0008_02_f_2024_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole has collapsed. Hole needs backfilling.					

No Photos

LM Start	3.31	Rating **	A/W	Issue No.	14
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.762301°	38.762301°
				-121.697190°	-121.697190°
DWR ID	DWR_NA0008_02_f_2024_14				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The primary channel changes course throughout the water year and erodes the slope through an opening in the center barrier. The slope appears to be stable and erosion is not within the prism. The levee is further reinforced by the newly constructed berm on the landside. Recommend monitoring.					

Photo 1 of 1 : FA\_2024\_NA0008\_257\_14\_20240923\_00027.jpg



View of erosion at the waterside toe. Fall 2024.

LM Start	3.59	Rating **	C	Issue No.	7
LM End	3.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.765395°	38.765395°
				-121.700473°	-121.700473°
DWR ID	DWR_NA0008_02_s_2024_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojola

LM Start	3.60	Rating **	A/W	Issue No.	10
LM End	3.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.765522°	38.767336°
				-121.700608°	-121.701023°
DWR ID	DWR_NA0008_02_s_2022_10				
Comment Code					
Inspector Comment					
2018 Site ID: KLR 3.7 L					
Status: Eroding					
2018 Field Notes: Last observed in 2011. Access issues prevented inspection in 2017.					
Site History: 2011 - The toe has eroded away and there are a few scallops from bank slumping.					
DWR Comment: Erosion due to opening within channel. Not within the prism. Recommend monitoring.					

Photo 1 of 1 : FA\_2024\_NA0008\_257\_10\_20240909\_00005.jpg



View of erosion at the waterside edge. Fall 2022.

LM Start	4.30	Rating **	A/W	Issue No.	11
LM End	4.55	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.775271°	38.778115°
				-121.703685°	-121.706195°
DWR ID	DWR_NA0008_02_s_2022_11				
Comment Code					
Inspector Comment					
2018 Site ID: KLR 4.7 L					
Status: Eroding					
2018 Field Notes: Last observed in 2011. Access issues prevented inspection in 2017.					
Site History: 2011 - This site is the downstream section of the old KLR 5.3L site. Levee toe is slowly retreating. Cracking on top of the levee may indicate potential mass movement.					

Photo 1 of 1 : FA\_2024\_NA0008\_257\_11\_20240909\_00006.jpg



View of erosion at waterside toe. Spring 2022.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections****Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2024****Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.03	09/23/2024 09/23/2024	Zach Jojoia

LM Start	5.36	Rating **	A/W	Issue No.	12
LM End	5.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2018 USACE Erosion Survey			38.786566°	38.792395°
				-121.716724°	-121.724091°
DWR ID	DWR_NA0008_02_s_2022_12				
Comment Code					
Inspector Comment					
2018 Site ID: KLR 5.8 L					
Status: Eroding					
2018 Field Notes: Last observed in 2017.					
Site History: 2011 - This site is the upstream section of the old KLR 5.3L site. Levee toe is slowly retreating. Cracking on top of the levee may indicate potential mass movement. 2017 - Hummocky levee, with multiple slump failures and tree popouts.					

No Photos

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