

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2015 Levee Maintenance Deficiency Summary Report  
Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

NA0022 Yolo County Service Area 6	Overall LMA Rating	Total LMA Miles						
	<b>U</b>	<b>5.87</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	3.76	0.25	4.76	81.14%		0.16		
Trim / Thin Trees	0.13	0.01	0.17	2.90%				
Encroachments	0.04		0.04	0.68%	1.05	0.01		
Animal Control	0.03	0.02	0.11	1.88%				
Slope Stability	0.02		0.02	0.34%				
Erosion / Bank Caving	0.02		0.02	0.34%				0.01
Crown Surface / Depressions / Rutting	0.02		0.02	0.34%				
Operations & Maintenance Manuals	0.06		0.06	1.02%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.48		0.48	8.18%				
DWR UCIP Field Study					0.20	0.03		
<i>LMA Totals:</i>	4.56	0.28	5.68	96.82%	1.25	0.20	0.00	0.01

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2015 Levee Inspection Results**

**Yolo County Service Area 6**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			<b>U</b>	

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Yolo County Service Area 6**

Waterway		Bank	Unit Miles	
Unit No. 01 Right Bank of Sacramento River at Knights Landing		Right	5.87	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/26/2015 - 05/26/2015		10/02/2015 - 10/02/2015	
DWR Inspector	Jai Lor		Jai Lor	
Accompanied By	Chris Starke Yolo County			

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start		Rating **	M	Issue No.	<b>33</b>
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_NA0022_01_s_2013_33				
Action/Comments					
Inspector Comments: Yolo County Service Area 6 has the levee manuals for this levee.					

No Photos

LM Start		Rating **	A	Issue No.	<b>34</b>
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_NA0022_01_s_2013_34				
Action/Comments					
Inspector Comments: Yolo County OES has a written flood response plan and flood response training.					

No Photos

LM Start		Rating **	A	Issue No.	<b>38</b>
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_NA0022_01_s_2012_38				
Action/Comments					
Inspector Comments: Yolo County OES has a stockpile of flood response material.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.799548 °	38.800526 °	
			-121.724064 °	-121.723410 °	
DWR ID	DWR_NA0022_01_f_2015_68				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_68\_20151005\_00063.jpg



View of the vegetation on the waterward side of the levee looking downstream. Fall 2015.

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.799553 °	38.800615 °	
			-121.724069 °	-121.723238 °	
DWR ID	DWR_NA0022_01_f_2015_67				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_67\_20151005\_00064.jpg



View of the vegetation on the landward side of the levee looking downstream. Fall 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>402</b>
LM End	<b>0.13</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800647 °	38.800647 °
				-121.723212 °	-121.723212 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31903 DS_ID:19515 EP_NO: 9425 FS_HLM: 0.13 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to properly abandon crossing per Title 23-- pipe has been disconnected. No signs of pipe visible on waterward and landward sides. Need to contact owner to determine additional information about pipe section through levee. FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 3.0-feet below the crown. Pump structure in channel. (ABO Permit No. 9425-1974). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3821.jpg



View of waterward side.

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>402 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3822.jpg



Overview of levee crown looking at crossing.

<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  
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**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>402 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800647 °	38.800647 °
				-121.723212 °	-121.723212 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31903 DS_ID:19515 EP_NO: 9425 FS_HLM: 0.13 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3823.jpg



View of landward side.

LM Start	<b>0.13</b>	Rating **	U	Issue No.	<b>6</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800645 °	38.801368 °
				-121.723172 °	-121.722054 °
DWR ID	DWR_NA0022_01_s_2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tall trees block visibility.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_6\_20151005\_00065.jpg



View of the vegetation and trees on the waterward side of the levee looking downstream. Fall 2015.

LM Start	<b>0.15</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>0.15</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800828 °	38.800828 °
				-121.722902 °	-121.722902 °
DWR ID	DWR_NA0022_01_s_2012_29				
Action/Comments					
Building					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_29\_20150914\_00029.jpg



The old barn is on the waterside of the levee. Fall 2013

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>403</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801280 °	38.801280 °
				-121.722000 °	-121.722000 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31904 DS_ID:19516 EP_NO: N/A FS_HLM: 0.195 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to properly abandon per Title 23 if crossing is no longer used--debris inside concrete box and near site. Need to contact owner. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 14.5-feet below the crown. Slide gate in concrete box on the waterward bank. (ABO Permit - 1976). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3824.jpg



Concrete box located on waterward side.

Photo 2 of 3 : UCIP\_FA\_2015\_3825.jpg



View of waterward toe photo taken from bridge.

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>403 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	WS

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>403 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801280 °	38.801280 °
				-121.722000 °	-121.722000 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31904 DS_ID:19516 EP_NO: N/A FS_HLM: 0.195 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3826.jpg



Pipe section with holes abandoned on waterward side.

LM Start	<b>0.22</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>0.25</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801500 °	38.801613 °
				-121.721878 °	-121.721328 °
DWR ID	DWR_NA0022_01_s_2012_28				
Action/Comments					
Building Inspector Comments: RV park runs on and along levee to bridge					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_28\_20150914\_00027.jpg



The RV park is encroached into the levee crown. Fall 2013

LM Start	<b>0.22</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>0.25</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0022\_350\_28\_20150914\_00028.jpg



Trailers on the crown of the levee. Spring 2014

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>404</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801597 °	38.801597 °
				-121.721226 °	-121.721226 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45403 DS_ID:19513 EP_NO: 9424 FS_HLM: 0.26 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3662.jpg



View of waterward side.

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>404 (cont)</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_3663.jpg



Spigot located on landward toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>404 (cont)</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801597 °	38.801597 °
				-121.721226 °	-121.721226 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45403 DS_ID:19513 EP_NO: 9424 FS_HLM: 0.26 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3664.jpg



Spigot located on landward side.

LM Start	<b>0.30</b>	Rating **	U	Issue No.	<b>27</b>
LM End	<b>0.32</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801720 °	38.801840 °
				-121.720447 °	-121.720030 °
DWR ID	DWR_NA0022_01_s_2012_27				
Action/Comments					
Landscaping Inspector Comments: I have talked to the owner about a permit and he continues to landscape the landside slope with no permit. Owner has added fence across levee. I gave her an application and did a field investigation report.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_27\_20150914\_00026.jpg



Landscaping is encroaching onto the levee easement. Fall 2013

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>405</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801867 °	38.801867 °
				-121.719923 °	-121.719923 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31906 DS_ID:19534 EP_NO: 17016 FS_HLM: 0.334 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm crossing alignment--steel pipe visible on waterward side however, unable to confirm if crossing is the same one found during field confirmation. Need to contact owner to verify alignment and status of crossing. Slope was too steep to verify and obtain additional information about pipe. FIELD_STRUCT_DESC: Three 2-inch diameter and three 1.5-inch diameter fiber optic conduits through the levee, encased in a single HDPE conduit, 30-feet below the levee crown. Concrete caps on both ends of the casing, on the landward and waterward sides. Voids in the HDPE conduit grouted. (Permit No. 17016-2000). FS Date: 03/04/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_3851.jpg



No pipe attached along bridge.

Photo 2 of 2 : UCIP\_FA\_2015\_3852.jpg



Steel pipe located on waterward side--pipe disconnected.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.34</b>	Rating **	A/W	Issue No.	<b>26</b>
LM End	<b>0.38</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.801967 °	38.802105 °	
			-121.719727 °	-121.718963 °	
DWR ID	DWR_NA0022_01_s_2012_26				
Action/Comments					
Building Inspector Comments: Apartments with chainlink fence with lathe woven into it.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_26\_20150914\_00025.jpg



The apartments and fence along the toe of the levee. Fall 2013

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>395</b>
LM End	<b>0.54</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.802120 °	38.801882 °	
			-121.716867 °	-121.716165 °	
DWR ID	DWR_NA0022_01_f_2013_395				
Action/Comments					
Material					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_395\_20150914\_00061.jpg



Material blocking visibility on the waterside of the levee. Fall 2013

<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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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.51</b>	Rating **	M	Issue No.	<b>406</b>
LM End	<b>0.51</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802062 °	38.802062 °
				-121.716740 °	-121.716740 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31627 DS_ID:19544 EP_NO: N/A FS_HLM: 0.51 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if signs of crossing are for the same crossing listed here. Need to contact owner and determine additional information about crossing. Also found is service box for water line--need permit and alignment confirmation. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 285+27). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_2950.jpg



Service box located on waterward side near fence post.

LM Start	<b>0.51</b>	Rating **	M	Issue No.	<b>406 (cont)</b>
LM End	<b>0.51</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_2951.jpg



View of waterward side. Alignment is visible on paved road.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.51</b>	Rating **	M	Issue No.	<b>406 (cont)</b>
LM End	<b>0.51</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802062 °	38.802062 °
				-121.716740 °	-121.716740 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31627 DS_ID:19544 EP_NO: N/A FS_HLM: 0.51 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_2952.jpg



View of landward side. Alignment is visible on paved road.

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>0.53</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.801950 °	38.801950 °
				-121.716299 °	-121.716299 °
DWR ID	DWR_NA0022_01_f_2015_69				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_69\_20151005\_00067.jpg



View of the depression on the crown of the levee looking downstream. Fall 2015.

LM Start	<b>0.54</b>	Rating **	A/W	Issue No.	<b>24</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801910 °	38.801823 °
				-121.716170 °	-121.715683 °
DWR ID	DWR_NA0022_01_s_2012_24				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_24\_20150914\_00023.jpg



The lawn area is on the levee waterside and crown. Fall 2013

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>407</b>
LM End	<b>0.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801855 °	38.801855 °
				-121.716003 °	-121.716003 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38995 DS_ID:19553 EP_NO: 17649 FS_HLM: 0.56 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 1 inch line visible on landward side (38.801855, -121.716003) unable to confirm if line is the line authorized. Need to contact owner to confirm installation and size. FIELD_STRUCT_DESC: 2 of 2: 1.5-inch diameter water line through the levee, buried 2-feet below the levee crown. (Permit No. 17649-2004) FS Date: 03/04/2014					

No Photos

LM Start	<b>0.56</b>	Rating **	U	Issue No.	<b>22</b>
LM End	<b>0.70</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801968 °	38.801077 °
				-121.715707 °	-121.713335 °
DWR ID	DWR_NA0022_01_s_2012_22				
Action/Comments					
Landscaping Inspector Comments: Oleander hedge					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_22\_20150914\_00021.jpg



Oleanders along the shoulder.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.56</b>	Rating **	A/W	Issue No.	<b>23</b>
LM End	<b>0.64</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.801965 °	38.801468 °	
			-121.715705 °	-121.714348 °	
DWR ID	DWR_NA0022_01_s_2012_23				
Action/Comments					
Building Inspector Comments: Yolo Sutter Yacht Club					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_23\_20151005\_00068.jpg



View of the Yacht club on the crown of the levee looking downstream. Fall 2015.

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>408</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.801798 °	38.801798 °	
			-121.715584 °	-121.715584 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38188 DS_ID:19519 EP_NO: N/A FS_HLM: 0.581 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.3 feet below the crown. Plate welded on waterward end (1975). 24-inch concrete riser on the landward side. FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4841.jpg



View of waterward slope. Large hole visible on waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>408 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801798 °	38.801798 °
				-121.715584 °	-121.715584 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:38188  
 DS\_ID:19519  
 EP\_NO: N/A  
 FS\_HLM: 0.581  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements.  
 FIELD\_STRUCT\_DESC: 10-inch pipe through the levee, 3.3 feet below the crown. Plate welded on waterward end (1975). 24-inch concrete riser on the landward side.  
 FS Date: 03/04/2014

Photo 2 of 3 : UCIP\_FA\_2015\_4842.jpg



Residential property standpipe located behind fence.

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>408 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_4843.jpg



View of waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>70</b>
LM End	<b>0.65</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.801372 °	38.801372 °	
			-121.714247 °	-121.714247 °	
DWR ID	DWR_NA0022_01_f_2015_70				
Action/Comments					
Firewood					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_70\_20151005\_00069.jpg



View of the firewood on the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>0.68</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>0.95</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.801181 °	38.800237 °	
			-121.713724 °	-121.708977 °	
DWR ID	DWR_NA0022_01_f_2015_71				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_71\_20151005\_00070.jpg



View of the vegetation on the waterward side of the levee looking downstream. Fall 2015.

LM Start	<b>0.71</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>0.71</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.800962 °	38.800962 °	
			-121.713173 °	-121.713173 °	
DWR ID	DWR_NA0022_01_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side 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**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.73</b>	Rating **	M	Issue No.	<b>72</b>
LM End	<b>0.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.800949 °	38.800230 °	
			-121.712939 °	-121.709004 °	
DWR ID	DWR_NA0022_01_f_2015_72				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_72\_20151005\_00071.jpg



View of the vegetation on the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>0.84</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>1.67</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.800500 °	38.799074 °	
			-121.710990 °	-121.698341 °	
DWR ID	DWR_NA0022_01_s_2015_73				
Action/Comments					
Building Inspector Comments: There are beehives on the landward side of the levee.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_73\_20150914\_00049.jpg



View of the beehives on the landward side of the levee looking downstream. Spring 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>409</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800200 °	38.800200 °
				-121.709258 °	-121.709258 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31969 DS_ID:19540 EP_NO: N/A FS_HLM: 0.95 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed. FIELD_STRUCT_DESC: 14-inch steel drain pipe through the levee. Pump and valve on waterside bank. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 266+72.2). Pipe and pump completely replaced under Permit No. 3798 (1962). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4162.jpg



Pipe junction exposed on waterward side.

Photo 2 of 3 : UCIP\_FA\_2015\_4163.jpg



Pipe located on waterward side.

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>409 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	LS

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>409 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800200 °	38.800200 °
				-121.709258 °	-121.709258 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31969 DS_ID:19540 EP_NO: N/A FS_HLM: 0.95 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4164.jpg



View of waterward side.

LM Start	<b>0.95</b>	Rating **	U	Issue No.	<b>21</b>
LM End	<b>1.12</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800188 °	38.800577 °
				-121.708918 °	-121.705830 °
DWR ID	DWR_NA0022_01_s_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation completely blocks visibility on the landward slope.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_21\_20151005\_00072.jpg



View of the vegetation on the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>1.01</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>1.01</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800246 °	38.800246 °
				-121.707858 °	-121.707858 °
DWR ID	DWR_NA0022_01_s_2014_17				
Action/Comments					
Tree or limb Inspector Comments: Trees blocking visibility and a dead tree on the levee slope.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_17\_20150914\_00017.jpg



A tree has fallen on the crown and blocks visibility. Spring 2014

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

Levee Inspection Report By Mile - Fall 2015

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	1.72	Rating **	M	Issue No.	410
LM End	1.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.798388 °	38.798388 °
				-121.698145 °	-121.698145 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31912 DS_ID:19522 EP_NO: 6296 FS_HLM: 1.75 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker housing on landward slope unit damaged and debris scattered on landward side. Unable to determine if crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 12-inch (not 14 inch as indicated in desk study) drain pipe through the levee, 11.8-feet below the crown. 1.25 electrical conduit through the levee. Electrical control panel on waterward slope. Slant pump, mounted on steel structure on the waterward bank. Siphon breaker on the landward shoulder. Standard CM cutoff wall around pipe at centerline of levee. Pipe extends from pump to existing irrigation ditch at landward toe. (Permit No. 6296-1968) FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3853.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_FA\_2015\_3854.jpg



Riser on landward toe.

LM Start	1.72	Rating **	M	Issue No.	410 (cont)
LM End	1.72	Issue Type +	En	Location *	LS

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>1.72</b>	Rating **	M	Issue No.	<b>410 (cont)</b>
LM End	<b>1.72</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.798388 °	38.798388 °
				-121.698145 °	-121.698145 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31912 DS_ID:19522 EP_NO: 6296 FS_HLM: 1.75 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3855.jpg



View of landward side.

LM Start	<b>1.75</b>	Rating **	M	Issue No.	<b>411</b>
LM End	<b>1.75</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.797928 °	38.797928 °
				-121.697992 °	-121.697992 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38190 DS_ID:19539 EP_NO: N/A FS_HLM: 1.78 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCTURE_DESC: Abandoned 12-inch (not 18-inch as mentioned in USACE O&M manual) CM drain pipe through the levee. Gate valve in pumphouse on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 224+3.5). Drain pipe was abandoned prior to 1968. FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4844.jpg



View of waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	1.75	Rating **	M	Issue No.	411 (cont)
LM End	1.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.797928 °	38.797928 °
				-121.697992 °	-121.697992 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38190 DS_ID:19539 EP_NO: N/A FS_HLM: 1.78 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: Abandoned 12-inch (not 18-inch as mentioned in USACE O&M manual) CM drain pipe through the levee. Gate valve in pumphouse on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 224+3.5). Drain pipe was abandoned prior to 1968. FS Date: 03/04/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4845.jpg



Concrete box located on landward toe.

LM Start	1.75	Rating **	M	Issue No.	411 (cont)
LM End	1.75	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_FA\_2015\_4846.jpg



View of waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>1.80</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>1.80</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.797228 °	38.797228 °	
			-121.697577 °	-121.697577 °	
DWR ID	DWR_NA0022_01_f_2013_9				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_9\_20150914\_00011.jpg



Trees need to be trimmed up to 12 feet above the crown. Fall 2013

LM Start	<b>1.83</b>	Rating **	M	Issue No.	<b>86</b>
LM End	<b>1.88</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.796960 °	38.796318 °	
			-121.697269 °	-121.696618 °	
DWR ID	DWR_NA0022_01_f_2015_86				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>1.95</b>	Rating **	M	Issue No.	<b>44</b>
LM End	<b>1.95</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.795492 °	38.795492 °	
			-121.695963 °	-121.695963 °	
DWR ID	DWR_NA0022_01_s_2013_44				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_44\_20150914\_00044.jpg



View of the prunings on the waterward side of the levee. Spring 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>1.96</b>	Rating **	M	Issue No.	<b>74</b>
LM End	<b>1.96</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.795401 °	38.795401 °	
			-121.695947 °	-121.695947 °	
DWR ID	DWR_NA0022_01_s_2015_74				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_74\_20150914\_00050.jpg



View of the trees on the crown of the levee looking downstream. Spring 2015.

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>412</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.795248 °	38.795248 °	
			-121.695958 °	-121.695958 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40536 DS_ID:19524 EP_NO: 9413 FS_HLM: 2 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 15.5-feet below the crown. Gate valve on the landward end. Ramp on waterward slope. (ABO Permit No. 9413-1974). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3956.jpg



View of waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>412 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.795248 °	38.795248 °
				-121.695958 °	-121.695958 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40536 DS_ID:19524 EP_NO: 9413 FS_HLM: 2 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 15.5-feet below the crown. Gate valve on the landward end. Ramp on waterward slope. (ABO Permit No. 9413-1974). FS Date: 03/04/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_3957.jpg



View of levee crown at crossing.

Photo 3 of 3 : UCIP\_FA\_2015\_3958.jpg



View of landward side.

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>412 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	CR

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.03</b>	Rating **	C	Issue No.	<b>85</b>
LM End	<b>2.03</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.794391 °	38.794391 °
				-121.695684 °	-121.695684 °
DWR ID	DWR_NA0022_01_s_2012_85				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>413</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794288 °	38.794288 °
				-121.695678 °	-121.695678 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31632 DS_ID:19523 EP_NO: 9413 FS_HLM: 2.07 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 30-inch CM gravity drainpipe through the levee, 13.5-feet below the crown. Slide gate on both ends in 48-inch CM pipe riser. Drainpipe retained under ABO Permit No. 9413 (1974). Pump on waterward side, installed under Permit No. 12804 (1980). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3035.jpg



Overview of levee crown at crossing.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>413 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794288 °	38.794288 °
				-121.695678 °	-121.695678 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:31632  
 DS\_ID:19523  
 EP\_NO: 9413  
 FS\_HLM: 2.07  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing.  
 FIELD\_STRUCT\_DESC: 30-inch CM gravity drainpipe through the levee, 13.5-feet below the crown. Slide gate on both ends in 48-inch CM pipe riser. Drainpipe retained under ABO Permit No. 9413 (1974). Pump on waterward side, installed under Permit No. 12804 (1980).  
 FS Date: 03/04/2014

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>413 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP\_FA\_2015\_3036.jpg



View of waterward side.

Photo 3 of 3 : UCIP\_FA\_2015\_3037.jpg



Outlet located on landward toe.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.06</b>	Rating **	M	Issue No.	<b>414</b>
LM End	<b>2.06</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794035 °	38.794035 °
				-121.695870 °	-121.695870 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31915 DS_ID:19538 EP_NO: N/A FS_HLM: 2.09 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 2 : UCIP\_FA\_2015\_3959.jpg



View of canal runs parallel on landward toe.

LM Start	<b>2.06</b>	Rating **	M	Issue No.	<b>414 (cont)</b>
LM End	<b>2.06</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_FA\_2015\_3960.jpg



Slide gate inside canal.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.14</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>2.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.792956 °	38.792956 °	
			-121.696025 °	-121.696025 °	
DWR ID	DWR_NA0022_01_s_2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_8\_20151005\_00074.jpg



View of the rodent hole on the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>2.14</b>	Rating **	M	Issue No.	<b>91</b>
LM End	<b>2.16</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.792942 °	38.792670 °	
			-121.696033 °	-121.695798 °	
DWR ID	DWR_NA0022_01_f_2015_91				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_91\_20151005\_00075.jpg



View of the trees on the waterward side of the levee looking downstream. Fall 2015.

LM Start	<b>2.16</b>	Rating **	U	Issue No.	<b>92</b>
LM End	<b>2.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.792692 °	38.792692 °	
			-121.695833 °	-121.695833 °	
DWR ID	DWR_NA0022_01_f_2015_92				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_92\_20151005\_00078.jpg



There is a hole on the crown of the levee. Fall 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.16</b>	Rating **	U	Issue No.	<b>92 (cont)</b>
LM End	<b>2.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.792692 °	38.792692 °	
			-121.695833 °	-121.695833 °	
DWR ID	DWR_NA0022_01_f_2015_92				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 2 of 2 : FA\_2015\_NA0022\_350\_92\_20151005\_00079.jpg



View of multiple rodent burrows on the landward side of the levee. Fall 2015.

LM Start	<b>2.17</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>2.17</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.792652 °	38.792652 °	
			-121.695742 °	-121.695742 °	
DWR ID	DWR_NA0022_01_s_2014_25				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_25\_20151005\_00076.jpg



View of the tree branch above the crown of the levee looking downstream. Fall 2015.

LM Start	<b>2.18</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>2.18</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.792499 °	38.792499 °	
			-121.695508 °	-121.695508 °	
DWR ID	DWR_NA0022_01_s_2012_40				
Action/Comments					
Pipe Inspector Comments: Equipments are placed at the toe of the levee.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_40\_20151005\_00080.jpg



View of equipment on the landward side of the levee looking downstream. Fall 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.19</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>2.19</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.792428 °	38.792428 °
				-121.695495 °	-121.695495 °
DWR ID	DWR_NA0022_01_s_2012_35				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_35\_20150914\_00033.jpg



A rodent hole needs to be backfilled and compacted.

LM Start	<b>2.20</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>2.20</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792283 °	38.792283 °
				-121.695447 °	-121.695447 °
DWR ID	DWR_NA0022_01_s_2012_39				
Action/Comments					
Firewood Inspector Comments: Firewood are placed at the levee toe.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_39\_20151005\_00081.jpg



View of the growing firewood at the toe of the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>2.21</b>	Rating **	C	Issue No.	<b>41</b>
LM End	<b>2.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.792128 °	38.792128 °
				-121.695400 °	-121.695400 °
DWR ID	DWR_NA0022_01_s_2012_41				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.21</b>	Rating **	M	Issue No.	<b>93</b>
LM End	<b>2.21</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.792055 °	38.792055 °	
			-121.695446 °	-121.695446 °	
DWR ID	DWR_NA0022_01_f_2015_93				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_93\_20151005\_00082.jpg



View of the slope stability on the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>2.25</b>	Rating **	M	Issue No.	<b>94</b>
LM End	<b>2.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.791556 °	38.791556 °	
			-121.695361 °	-121.695361 °	
DWR ID	DWR_NA0022_01_f_2015_94				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_94\_20151005\_00083.jpg



View of the erosion on the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>2.25</b>	Rating **	M	Issue No.	<b>94 (cont)</b>
LM End	<b>2.25</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0022\_350\_94\_20151005\_00085.jpg



Looking down on the erosion sight from the crown of the levee. Fall 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>95</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.791076 °	38.791076 °
				-121.695098 °	-121.695098 °
DWR ID	DWR_NA0022_01_f_2015_95				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	<b>2.35</b>	Rating **	U	Issue No.	<b>415</b>
LM End	<b>2.35</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.790260 °	38.790260 °
				-121.694510 °	-121.694510 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31634 DS_ID:19525 EP_NO: N/A FS_HLM: 2.38 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. FIELD_STRUCT_DESC: 16-inch steel drain pipe through the levee, 4-feet below the crown. Concrete well and pumphouse on waterward side. Screw gate in pumphouse. Slant pump mounted on steel structure on the waterward bank, installed under Permit No. 5951 (1967). Concrete discharge box (4x4-foot) at toe of landward slope. Overhead powerline and anchor crosses levee. Pole on both shoulders. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 192+60). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3038.jpg



Outlet located on landward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	2.35	Rating **	U	Issue No.	415 (cont)	
LM End	2.35	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			38.790260 °	38.790260 °	
				-121.694510 °	-121.694510 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:31634 DS_ID:19525 EP_NO: N/A FS_HLM: 2.38 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. FIELD_STRUCT_DESC: 16-inch steel drain pipe through the levee, 4-feet below the crown. Concrete well and pumphouse on waterward side. Screw gate in pumphouse. Slant pump mounted on steel structure on the waterward bank, installed under Permit No. 5951 (1967). Concrete discharge box (4x4-foot) at toe of landward slope. Overhead powerline and anchor crosses levee. Pole on both shoulders. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 192+60). FS Date: 03/04/2014						

Photo 3 of 3 : UCIP\_FA\_2015\_3040.jpg



View of landward toe.

LM Start	2.35	Rating **	U	Issue No.	96	
LM End	2.35	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
			Start	End		
Item	Encroachments			38.790206 °	38.790206 °	
				-121.694534 °	-121.694534 °	
DWR ID	DWR_NA0022_01_f_2015_96					
Action/Comments						
Pipe Inspector Comments: There seems to be an erosion around the concrete box encasing the pipe.						

Photo 1 of 3 : FA\_2015\_NA0022\_350\_96\_20151005\_00089.jpg



Perspective view of the erosion around the pipe on the landward side of the levee looking downstream. Fall 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.35</b>	Rating **	U	Issue No.	<b>96 (cont)</b>
LM End	<b>2.35</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.790206 °	38.790206 °	
			-121.694534 °	-121.694534 °	
DWR ID	DWR_NA0022_01_f_2015_96				
Action/Comments					
Pipe Inspector Comments: There seems to be an erosion around the concrete box encasing the pipe.					

Photo 2 of 3 : FA\_2015\_NA0022\_350\_96\_20151005\_00091.jpg



The erosion is within the levee prism. Fall 2015.

LM Start	<b>2.35</b>	Rating **	U	Issue No.	<b>96 (cont)</b>
LM End	<b>2.35</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA\_2015\_NA0022\_350\_96\_20151005\_00092.jpg



View of the pipe in the concrete box. Fall 2015.

LM Start	<b>2.35</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>2.35</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.790180 °	38.790180 °	
			-121.694525 °	-121.694525 °	
DWR ID	DWR_NA0022_01_s_2013_45				
Action/Comments					
Debris					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_45\_20150914\_00045.jpg



Concrete debris is at the toe of the levee. Spring 2013

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.43</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>2.43</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.789111 °	38.789111 °	
			-121.694462 °	-121.694462 °	
DWR ID	DWR_NA0022_01_s_2014_32				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_32\_20150914\_00032.jpg



Trees need to be trimmed up to at least 12 feet above the crown. Spring 2014

LM Start	<b>2.50</b>	Rating **	U	Issue No.	<b>37</b>
LM End	<b>2.50</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.788062 °	38.788062 °	
			-121.694244 °	-121.694244 °	
DWR ID	DWR_NA0022_01_s_2014_37				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_37\_20150914\_00037.jpg



Tree stump decomposing and may pose a risk to the levee. Spring 2014

LM Start	<b>2.58</b>	Rating **	A/W	Issue No.	<b>11</b>
LM End	<b>2.58</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.786964 °	38.786964 °	
			-121.694239 °	-121.694239 °	
DWR ID	DWR_NA0022_01_s_2012_11				
Action/Comments					
Building					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_11\_20150914\_00012.jpg



Garage at toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.67</b>	Rating **	M	Issue No.	<b>87</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.785613 °	38.785613 °
				-121.694266 °	-121.694266 °
DWR ID	DWR_NA0022_01_s_2012_87				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_87\_20151005\_00093.jpg



Perspective view of the erosion on the landward side of the levee looking upstream. Fall 2015.

LM Start	<b>2.67</b>	Rating **	M	Issue No.	<b>87 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0022\_350\_87\_20151005\_00095.jpg



The erosion runs down to the landward side toe. Fall 2015.

LM Start	<b>2.87</b>	Rating **	U	Issue No.	<b>52</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.783571 °	38.783571 °
				-121.692110 °	-121.692110 °
DWR ID	DWR_NA0022_01_f_2013_52				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_52\_20151005\_00096.jpg



View of the rodent hole and material on the landward side of the levee. Fall 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.87</b>	Rating **	U	Issue No.	<b>52 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.783571 °	38.783571 °
				-121.692110 °	-121.692110 °
DWR ID	DWR_NA0022_01_f_2013_52				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 2 of 2 : FA\_2015\_NA0022\_350\_52\_20151005\_00098.jpg



There are multiple rodent holes in this area. Fall 2015.

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>98</b>
LM End	<b>3.05</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.782742 °	38.781955 °
				-121.691196 °	-121.689480 °
DWR ID	DWR_NA0022_01_f_2015_98				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>97</b>
LM End	<b>5.29</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.782743 °	38.760029 °
				-121.691192 °	-121.677805 °
DWR ID	DWR_NA0022_01_f_2015_97				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>2.99</b>	Rating **	M	Issue No.	<b>76</b>
LM End	<b>2.99</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.782426 °	38.782426 °
				-121.690487 °	-121.690487 °
DWR ID	DWR_NA0022_01_s_2015_76				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>3.02</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.782239 °	38.782239 °
				-121.690037 °	-121.690037 °
DWR ID	DWR_NA0022_01_s_2014_42				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_42\_20150914\_00042.jpg



A large pruning pile near the toe of the levee. Spring 2014

LM Start	<b>3.03</b>	Rating **	A/W	Issue No.	<b>77</b>
LM End	<b>3.03</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.782142 °	38.782142 °
				-121.689760 °	-121.689760 °
DWR ID	DWR_NA0022_01_s_2015_77				
Action/Comments					
Tree or limb Inspector Comments: The tree looks like it's dying and needs to be monitored.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_77\_20150914\_00051.jpg



View of the dying tree on the landward side of the levee looking downstream. Spring 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.06</b>	Rating **	A/W	Issue No.	<b>12</b>
LM End	<b>3.14</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.781828 °	38.780852 °	
			-121.689415 °	-121.688887 °	
DWR ID	DWR_NA0022_01_s_2012_12				
Action/Comments					
Building					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_12\_20150914\_00013.jpg



Buildings are located at the toe of the levee. Fall 2012

LM Start	<b>3.06</b>	Rating **	A/W	Issue No.	<b>12 (cont)</b>
LM End	<b>3.14</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2015\_NA0022\_350\_12\_20150914\_00014.jpg



The buildings are encroaching into the levee slope.

LM Start	<b>3.07</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>3.07</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.781749 °	38.781749 °	
			-121.689369 °	-121.689369 °	
DWR ID	DWR_NA0022_01_f_2012_30				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_30\_20151005\_00099.jpg



View of the pruning pile on the waterward side of the levee looking downstream. Fall 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.07</b>	Rating **	A/W	Issue No.	<b>43</b>
LM End	<b>3.07</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.781701 °	38.781701 °	
			-121.689357 °	-121.689357 °	
DWR ID	DWR_NA0022_01_s_2014_43				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_43\_20150914\_00043.jpg



A tree is dying and needs to be monitored as it may pose a threat to the levee. Spring 2014

LM Start	<b>3.10</b>	Rating **	M	Issue No.	<b>78</b>
LM End	<b>3.10</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.781283 °	38.781283 °	
			-121.689151 °	-121.689151 °	
DWR ID	DWR_NA0022_01_s_2015_78				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	<b>3.12</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.781107 °	38.781107 °	
			-121.689052 °	-121.689052 °	
DWR ID	DWR_NA0022_01_s_2014_46				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_46\_20150914\_00046.jpg



Trees need to be trimmed up to at least 12 feet above the crown. Spring 2014

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.14</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>3.14</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.780857 °	38.780857 °	
			-121.688921 °	-121.688921 °	
DWR ID	DWR_NA0022_01_s_2015_47				
Action/Comments					
Tree or limb Inspector Comments: The tree has fallen over from Spring 2014.					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_47\_20150914\_00047.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

LM Start	<b>3.14</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>3.14</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA\_2015\_NA0022\_350\_47\_20150914\_00048.jpg



Some trees have fallen and others are dying and need to be monitored. The trees may pose a threat to the levee. Spring 2014

LM Start	<b>3.18</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>3.28</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.780407 °	38.779137 °	
			-121.688238 °	-121.687432 °	
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Short section is into the levee toe, rest is near the levee toe. Mass failure and fluvial erosion of depositional material. Rock at the upstream and downstream ends. 2011 - Minor new erosion. 2012 - Slope continues to steepen, tree roots have become exposed, and new eddy formed. 2015: No observed changes. [2015 Site ID: SAC_86-9_R]					

Photo 1 of 1 : USACE2013A\_SAC\_86-9\_R\_5.jpg



USACE 2013 Photo #1

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.20</b>	Rating **	A/W	Issue No.	<b>15</b>
LM End	<b>3.20</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.780051 °	38.780051 °	
			-121.688525 °	-121.688525 °	
DWR ID	DWR_NA0022_01_s_2014_15				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_15\_20150914\_00016.jpg



Monitor dying trees they may pose to be a threat to the levee. Spring 2014

LM Start	<b>3.23</b>	Rating **	M	Issue No.	<b>416</b>
LM End	<b>3.23</b>	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.779625 °	38.779625 °	
			-121.688090 °	-121.688090 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39858 DS_ID:19526 EP_NO: 3205 FS_HLM: 3.289 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4-feet below the crown. Pump on the waterward band. Gate valve on the waterward slope. Siphon breaker in 18-inch concrete pipe riser on the landward slope. 36-inch concrete standpipe at toe of landward slope. Metal cutoff wall installed. (Permit No. 3205-1959) FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_6528.jpg



Positive closure device is buried on waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.23</b>	Rating **	M	Issue No.	<b>416 (cont)</b>
LM End	<b>3.23</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779625 °	38.779625 °
				-121.688090 °	-121.688090 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39858 DS_ID:19526 EP_NO: 3205 FS_HLM: 3.289 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4-feet below the crown. Pump on the waterward band. Gate valve on the waterward slope. Siphon breaker in 18-inch concrete pipe riser on the landward slope. 36-inch concrete standpipe at toe of landward slope. Metal cutoff wall installed. (Permit No. 3205-1959) FS Date: 03/04/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_6529.jpg



View of waterward side.

LM Start	<b>3.23</b>	Rating **	M	Issue No.	<b>416 (cont)</b>
LM End	<b>3.23</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_6530.jpg



Pipe section visible on waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>417</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779543 °	38.779543 °
				-121.688170 °	-121.688170 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31916 DS_ID:19545 EP_NO: N/A FS_HLM: 3.29 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 3 : UCIP\_FA\_2015\_3986.jpg



Pipe section visible on waterward side.

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>417 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_3987.jpg



View of waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>417 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779543 °	38.779543 °
				-121.688170 °	-121.688170 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31916 DS_ID:19545 EP_NO: N/A FS_HLM: 3.29 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3988.jpg



View of landward side.

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>79</b>
LM End	<b>3.41</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.777204 °	38.777204 °
				-121.687045 °	-121.687045 °
DWR ID	DWR_NA0022_01_s_2015_79				
Action/Comments					
Stairway					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_79\_20150914\_00052.jpg



View of the stairs on the landward side of the levee looking downstream. Spring 2015.

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>401</b>
LM End	<b>3.41</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.777198 °	38.777198 °
				-121.687040 °	-121.687040 °
DWR ID	DWR_NA0022_01_f_2013_401				
Action/Comments					
Debris					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_401\_20150914\_00062.jpg



Pipe has been laid on the waterside berm. Fall 2013

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>418</b>
LM End	<b>3.41</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.777190 °	38.777190 °
				-121.687048 °	-121.687048 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31917 DS_ID:19527 EP_NO: 3729 FS_HLM: 3.46 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. FIELD_STRUCT_DESC: 10-inch drain pipe through the levee, 3.0 feet below the crown. 1.5-inch conduit through the levee. 1-foot below the crown. Service pole and meter at toe of landward slope. Gate valve and pump on the waterward bank. Access ramp to pump location. Siphon breaker on the landward shoulder, in 12-inch concrete riser. Metal cutoff wall installed. (Permit No. 3729-1961). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3989.jpg



View of landward side, photo 1 of 2.

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>418 (cont)</b>
LM End	<b>3.41</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_FA\_2015\_3990.jpg



Flow meter located on waterward shoulder.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>418 (cont)</b>
LM End	<b>3.41</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.777190 °	38.777190 °
				-121.687048 °	-121.687048 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31917 DS_ID:19527 EP_NO: 3729 FS_HLM: 3.46 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3991.jpg



View of landward side, photo 2 of 2.

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>419</b>
LM End	<b>3.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.775208 °	38.775208 °
				-121.687070 °	-121.687070 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38996 DS_ID:19528 EP_NO: 3722 FS_HLM: 3.59 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: Abandoned 10-inch steel drain pipe through the levee, 3.0 feet below the crown. 1-1/2 inch conduit 1 foot below the crown. Pump and gate valve on the waterward bank. Metal cutoff walls at centerline of levee. Siphon breaker on the landward shoulder in 12-inch concrete riser. Pipe connects to existing 24-inch concrete standpipe at landward toe. (Permit No. 3722-1961). No standpipe found on landward toe. FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4847.jpg



Abandoned conduit line through levee.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>419 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.775208 °	38.775208 °
				-121.687070 °	-121.687070 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38996 DS_ID:19528 EP_NO: 3722 FS_HLM: 3.59 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: Abandoned 10-inch steel drain pipe through the levee, 3.0 feet below the crown. 1-1/2 inch conduit 1 foot below the crown. Pump and gate valve on the waterward bank. Metal cutoff walls at centerline of levee. Siphon breaker on the landward shoulder in 12-inch concrete riser. Pipe connects to existing 24-inch concrete standpipe at landward toe. (Permit No. 3722-1961). No standpipe found on landward toe. FS Date: 03/04/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4848.jpg



Debris scattered on landward side.

Photo 3 of 3 : UCIP\_FA\_2015\_4849.jpg



View of landward side.

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>419 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	En	Location *	WS

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>4.01</b>	Rating **	M	Issue No.	<b>420</b>
LM End	<b>4.01</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.770295 °	38.770295 °
				-121.692580 °	-121.692580 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:38999 DS_ID:19529 EP_NO: 4570 FS_HLM: 4.08 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. CMP riser damage on waterward slope. FIELD_STRUCT_DESC: 16-inch drain pipe through the levee, 5.0 feet below the crown. Metal plate welded on the waterward end. Pump, 1-1/2-inch conduit, and gate valve in concrete U-headwall on waterward bank, installed under Permit 7618A (1971). Pipe extends from pump to concrete standpipe on the landward side, pipe exposed on the landward slope. Water meter in 36-inch CM pipe riser on the waterward slope. Siphon breaker on the landward shoulder, in 7-inch metal riser. 30-inch concrete riser at toe of landward slope. Metal cutoff wall installed. (Permit No. 4570-1964). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_3107.jpg



View of levee crown at crossing.

LM Start	<b>4.01</b>	Rating **	M	Issue No.	<b>420 (cont)</b>
LM End	<b>4.01</b>	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP\_FA\_2015\_3210.jpg



View of waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>4.01</b>	Rating **	M	Issue No.	<b>420 (cont)</b>
LM End	<b>4.01</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.770295 °	38.770295 °
				-121.692580 °	-121.692580 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:38999 DS_ID:19529 EP_NO: 4570 FS_HLM: 4.08 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3211.jpg



View of landward side.

LM Start	<b>4.25</b>	Rating **	A/W	Issue No.	<b>36</b>
LM End	<b>4.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.767125 °	38.764582 °
				-121.693267 °	-121.690285 °
DWR ID	DWR_NA0022_01_s_2012_36				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_36\_20150914\_00035.jpg



Another view of the site.

LM Start	<b>4.25</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>4.49</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2015\_NA0022\_350\_36\_20150914\_00036.jpg



Fence, irrigation and stakes in the revegetation site.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>4.44</b>	Rating **	M	Issue No.	<b>421</b>
LM End	<b>4.44</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.765142 °	38.765142 °
				-121.690963 °	-121.690963 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31986 DS_ID:19530 EP_NO: 9409 FS_HLM: 4.51 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	<b>4.44</b>	Rating **	M	Issue No.	<b>421 (cont)</b>
LM End	<b>4.44</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_FA\_2015\_4192.jpg



Pipe through levee punctured visible on landward slope.

Photo 2 of 3 : UCIP\_FA\_2015\_4193.jpg



View of waterward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>4.44</b>	Rating **	M	Issue No.	<b>421 (cont)</b>
LM End	<b>4.44</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.765142 °	38.765142 °
				-121.690963 °	-121.690963 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31986 DS_ID:19530 EP_NO: 9409 FS_HLM: 4.51 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_4194.jpg



View of landward side.

LM Start	<b>4.44</b>	Rating **	A/W	Issue No.	<b>81</b>
LM End	<b>4.44</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.765079 °	38.765079 °
				-121.690887 °	-121.690887 °
DWR ID	DWR_NA0022_01_s_2015_81				
Action/Comments					
Tree or limb Inspector Comments: The tree is dying and should be monitored.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_81\_20150914\_00053.jpg



View of the dying tree on the waterward side of the levee looking downstream. Spring 2015.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>4.52</b>	Rating **	U	Issue No.	<b>422</b>
LM End	<b>4.52</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.764248 °	38.764248 °
				-121.689918 °	-121.689918 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42864 DS_ID:19537 EP_NO: 18298 FS_HLM: 4.6 Repair Type: Urgent Crossing Status: Found UCIP Comments: Subsidence visible where siphon breaker is located on landward side. Unable to determine if subsidence is due to poor compaction or leak at siphon breaker. Need to contact owner to address issue. FIELD_STRUCT_DESC: 14-inch steel water pipe through the levee, 2-feet below the levee crown. Supported by 6 pilings on waterside slope, extending into channel. Pump platform supported by steel structure on waterward side. Siphon breaker and air release valve on the landward shoulder. Concrete distribution box at landward toe. Rock riprap on the waterward slope. (Permit No. 18298-2007) FS Date: 03/04/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_4850.jpg



Power pole with conduit line through levee.

Photo 2 of 2 : UCIP\_FA\_2015\_4851.jpg



View of landward side--subsidence near levee crown.

LM Start	<b>4.52</b>	Rating **	U	Issue No.	<b>422 (cont)</b>
LM End	<b>4.52</b>	Issue Type +	En	Location *	WS

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>4.66</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>4.86</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.763486 °	38.763313 °
				-121.687567 °	-121.684038 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: 2009 - Erosion into the levee toe. Some cobbles have been dumped into the erosion pockets. 2010 - Old cobble site starting to unravel. 2012 - Slope continues to steepen and new animal holes. 2013 - Downstream cobble is unraveling. 2015: No observed changes. [2015 Site ID: SAC_85-4_R]					

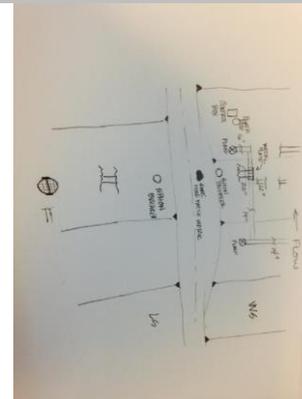
Photo 1 of 1 : USACE2013A\_SAC\_85-4\_R\_5.jpg



USACE 2013 Photo #1

LM Start	<b>4.69</b>	Rating **	U	Issue No.	<b>423</b>
LM End	<b>4.69</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID					
<b>Action/Comments</b>					
Inspector Comments: FS_ID:42865 DS_ID:19531 EP_NO: N/A FS_HLM: 4.77 Repair Type: Urgent Crossing Status: Found UCIP Comments: Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair. FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 4.7 feet below the crown. Two slant pumps on the waterward slope. No control valves. Ramp on landward slope. (ABO Permit No. 9408-1974). FS Date: 03/04/2014					

Photo 1 of 3 : UCIP\_FA\_2015\_4195.jpg



Plan view of crossing and appurtenances at levee mile 4.77.

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

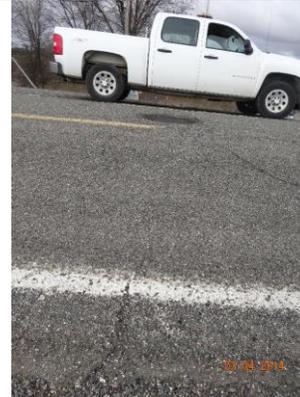
**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>4.69</b>	Rating **	U	Issue No.	<b>423 (cont)</b>
LM End	<b>4.69</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42865 DS_ID:19531 EP_NO: N/A FS_HLM: 4.77 Repair Type: Urgent Crossing Status: Found UCIP Comments: Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair. FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 4.7 feet below the crown. Two slant pumps on the waterward slope. No control valves. Ramp on landward slope. (ABO Permit No. 9408-1974). FS Date: 03/04/2014					

Photo 2 of 3 : UCIP\_FA\_2015\_4196.jpg



View of levee crown. Signs of sink hole repair along pipe alignment.

LM Start	<b>4.69</b>	Rating **	U	Issue No.	<b>423 (cont)</b>
LM End	<b>4.69</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_FA\_2015\_4197.jpg



View of landward side.

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

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>100</b>
LM End	<b>5.19</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.760703 °	38.760703 °
				-121.679320 °	-121.679320 °
DWR ID	DWR_NA0022_01_f_2015_100				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	<b>5.47</b>	Rating **	M	Issue No.	<b>424</b>
LM End	<b>5.47</b>	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.759678 °	38.759678 °
				-121.674492 °	-121.674492 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31927 DS_ID:19532 EP_NO: 3811 FS_HLM: 5.57 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 10-inch steel discharge pipe through the levee, 3.6 feet below the crown. Pump at toe of waterward slope, on bank of river. Standard cutoff wall around pipe at center of levee. Standpipe at toe of landward slope. Siphon breaker on the landward shoulder. (Permit No. 3811-1962) FS Date: 03/04/2014					

Photo 1 of 2 : UCIP\_FA\_2015\_4117.jpg



Rip rap along waterward 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**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	5.47	Rating **	M	Issue No.	424 (cont)	
LM End	5.47	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			38.759678 °	38.759678 °	
				-121.674492 °	-121.674492 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:31927 DS_ID:19532 EP_NO: 3811 FS_HLM: 5.57 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 10-inch steel discharge pipe through the levee, 3.6 feet below the crown. Pump at toe of waterward slope, on bank of river. Standard cutoff wall around pipe at center of levee. Standpipe at toe of landward slope. Siphon breaker on the landward shoulder. (Permit No. 3811-1962) FS Date: 03/04/2014						

Photo 2 of 2 : UCIP\_FA\_2015\_4118.jpg



View of waterward side.

LM Start	5.50	Rating **	M	Issue No.	1	
LM End	5.54	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
			Start	End		
Item	Encroachments			38.759620 °	38.759412 °	
				-121.673903 °	-121.673167 °	
DWR ID	DWR_NA0022_01_s_2012_1					
Action/Comments						
Building						

Photo 1 of 1 : FA\_2015\_NA0022\_350\_1\_20150914\_00001.jpg



The house and landscape are in the easment of the levee. Fall 2011

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>5.50</b>	Rating **	M	Issue No.	<b>82</b>
LM End	<b>5.50</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.759594 °	38.759594 °	
			-121.673860 °	-121.673860 °	
DWR ID	DWR_NA0022_01_s_2015_82				
Action/Comments					
Tree or limb Inspector Comments: A tree fell over on the waterward side of the levee.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_82\_20150914\_00054.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

LM Start	<b>5.56</b>	Rating **	M	Issue No.	<b>83</b>
LM End	<b>5.56</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.759339 °	38.759339 °	
			-121.672863 °	-121.672863 °	
DWR ID	DWR_NA0022_01_s_2015_83				
Action/Comments					
Tree or limb Inspector Comments: Prunings and fallen tree are on the waterward side of the levee.					

Photo 1 of 1 : FA\_2015\_NA0022\_350\_83\_20150914\_00055.jpg



View of the tree and tree limbs on the waterward side of the levee looking downstream. Spring 2015.

LM Start	<b>5.67</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>5.85</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.759000 °	38.759390 °	
			-121.670759 °	-121.667500 °	
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more erosion around trees. 2013 - Additional erosion into the toe. 2015: Site extended upstream about 500 ft to account for eroding bank. [2015 Site ID: SAC_83-9_R]					

Photo 1 of 3 : USACE2013A\_SAC\_83-9\_R\_7.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	5.67	Rating **	M	Issue No.	4 (cont)
LM End	5.85	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.759000 °	38.759390 °	
DWR ID			-121.670759 °	-121.667500 °	
Action/Comments					
Inspector Comments: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more erosion around trees. 2013 - Additional erosion into the toe. 2015: Site extended upstream about 500 ft to account for eroding bank. [2015 Site ID: SAC_83-9_R]					

Photo 2 of 3 : USACE2013A\_SAC\_83-9\_R\_8.jpg



USACE 2013 Photo #2

LM Start	5.67	Rating **	M	Issue No.	4 (cont)
LM End	5.85	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : USACE2013A\_SAC\_83-9\_R\_9.jpg



USACE 2013 Photo #3

LM Start	5.84	Rating **	U	Issue No.	84
LM End	5.84	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.758909 °	38.758909 °	
DWR ID	DWR_NA0022_01_s_2015_84		-121.668084 °	-121.668084 °	
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 2 : FA\_2015\_NA0022\_350\_84\_20151005\_00103.jpg



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/02/2015 10/02/2015	Jai Lor

LM Start	<b>5.84</b>	Rating **	U	Issue No.	<b>84 (cont)</b>
LM End	<b>5.84</b>	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.758909 °	38.758909 °
				-121.668084 °	-121.668084 °
DWR ID	DWR_NA0022_01_s_2015_84				
Action/Comments					
Note and monitor erosion site.					

Photo 2 of 2 : FA\_2015\_NA0022\_350\_84\_20151005\_00104.jpg



View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

<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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