

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0016 Sacramento River West Side Levee District	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
	M *	49.64						
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	0.43		0.43	0.87%	0.04			
Trim / Thin Trees	0.07		0.07	0.14%				
Encroachments	0.04		0.04	0.08%	3.39	0.01		
Animal Control	0.07	0.01	0.11	0.22%				
Slope Stability	0.04		0.04	0.08%				
Crown Surface / Depressions / Rutting	0.04		0.04	0.08%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	1.05		1.05	2.12%				
DWR UCIP Field Study					0.36	0.05		
<i>LMA Totals:</i>	1.74	0.01	1.78	3.59% *	3.79	0.06	0.00	0.00

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

Sacramento River West Side Levee District

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

** 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

Sacramento River West Side Levee District

Waterway		Bank	Unit Miles	
Unit No. 01 Sacramento River		Right	49.64	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/06/2015 - 05/07/2015		09/22/2015 - 09/23/2015	
DWR Inspector	Jai Lor		Jai Lor	
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	A	Issue No.	27
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_NA0016_01_s_2013_27				
Action/Comments					
Inspector Comments: District has the levee manuals.					

No Photos

LM Start		Rating **	A	Issue No.	28
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_NA0016_01_s_2013_28				
Action/Comments					
Inspector Comments: District maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	35
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_NA0016_01_s_2013_35				
Action/Comments					
Inspector Comments: District has flood response plans and maintains flood response training.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	U	Issue No.	1552
LM End		Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186111 °	39.186111 °
				-121.968069 °	-121.968069 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46773 DS_ID:20296 EP_NO: 5551 FS_HLM: 46.898 Repair Type: Urgent Crossing Status: Found UCIP Comments: Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. FIELD_STRUCT_DESC: 18-inch steel pipe through levee 3.0 feet below crown. Pump mounted on piling structure on the waterward bank. Switch box on the waterward shoulder and siphon breaker in 30-inch CMP riser on LS shoulder. Discharges into concrete box at toe of the landward slope (ABO No. 9349, 1974). Design drawings available in Permit No. 5551, 1968. Fish screen installed under permit No. 17222. FS Date: 03/22/2013					

Photo 1 of 3 : UCIP_FA_2015_6066.jpg



Recent pavement repair showing levee slumping. Photo taken from WS looking upstream along Moon Bend Rd

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	M	Issue No.	1553
LM End		Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864844 °	38.864844 °
				-121.757540 °	-121.757540 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46766 DS_ID:25126 EP_NO: 8501 FS_HLM: 6.89 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee. FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals. FS Date: 10/09/2015					

Photo 1 of 3 : UCIP_FA_2015_6063.jpg



view from levee crest along pipe looking towards water side. shows pipe daylight and pump house

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	M	Issue No.	1553 (cont)
LM End		Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864844 °	38.864844 °
				-121.757540 °	-121.757540 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46766 DS_ID:25126 EP_NO: 8501 FS_HLM: 6.89 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee. FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals. FS Date: 10/09/2015					

Photo 2 of 3 : UCIP_FA_2015_6064.jpg



view from levee crest along pipe looking towards land side. shows siphon breaker standpipes and distribution box.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	M	Issue No.	1553 (cont)
LM End		Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864844 °	38.864844 °
				-121.757540 °	-121.757540 °
DWR ID					

Photo 3 of 3 : UCIP_FA_2015_6065.jpg



Action/Comments

Inspector Comments: FS_ID:46766
 DS_ID:25126
 EP_NO: 8501
 FS_HLM: 6.89
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee.
 FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.
 FS Date: 10/09/2015

pipe intake in river. shows pipes entering water and track for drum fish screen.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	M	Issue No.	1554
LM End		Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864873 °	38.864873 °
				-121.757521 °	-121.757521 °
DWR ID					

Photo 1 of 3 : UCIP_FA_2015_6043.jpg



Action/Comments

Inspector Comments: FS_ID:46765
 DS_ID:25125
 EP_NO: 8501
 FS_HLM: 6.889
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes.
 FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.
 FS Date: 10/09/2015

view from levee crest along pipe profile on water side of levee. pipe daylight from levee and pumphouse.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	M	Issue No.	1554 (cont)
LM End		Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864873 °	38.864873 °
				-121.757521 °	-121.757521 °
DWR ID					

Photo 2 of 3 : UCIP_FA_2015_6044.jpg



Action/Comments

Inspector Comments: FS_ID:46765
 DS_ID:25125
 EP_NO: 8501
 FS_HLM: 6.889
 Repair Type: Non-Urgent
 Crossing Status: Found

UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes.

FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.
 FS Date: 10/09/2015

view from levee crest along pipe profile toward land side of levee.CMP risers with siphon breakers and distribution box near land side levee toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start		Rating **	M	Issue No.	1554 (cont)
LM End		Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864873 °	38.864873 °
				-121.757521 °	-121.757521 °
DWR ID					

Photo 3 of 3 : UCIP_FA_2015_6045.jpg



Action/Comments

Inspector Comments: FS_ID:46765
 DS_ID:25125
 EP_NO: 8501
 FS_HLM: 6.889
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes.
 FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.
 FS Date: 10/09/2015

pipe intake in river. track above pipe is for drum fish screen.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	Rating **	M	Issue No.	1555
LM End	Issue Type +	En	Location *	N/A
Category	Supplemental		GPS Latitude/Longitude	
			Start	End
Item	DWR UCIP Field Study		39.187497 °	39.187497 °
DWR ID			-121.962074 °	-121.962074 °
Action/Comments				
Inspector Comments: FS_ID:46812 DS_ID:20314 EP_NO: 15763 FS_HLM: 46.553 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use. FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through levee 2.0 feet below crown. Irrigation valve approx. 50 feet landward of the landward levee toe. Fresno valve on WS shoulder with connection for pump at WS berm. (Permit No. 15763, 1992). FS Date: 03/22/2013				

Photo 1 of 3 : UCIP_FA_2015_0202.jpg



Electrical box at WS berm for portable pump.

LM Start	Rating **	M	Issue No.	1555 (cont)
LM End	Issue Type +	En	Location *	N/A

Photo 2 of 3 : UCIP_FA_2015_0203.jpg



Pipe connection at WS toe.

* 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	Rating **	M	Issue No.	1555 (cont)	
LM End	Issue Type +	En	Location *	N/A	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.187497 °	39.187497 °	
			-121.962074 °	-121.962074 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46812 DS_ID:20314 EP_NO: 15763 FS_HLM: 46.553 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0204.jpg



Broken fresno valve on WS shoulder

LM Start	0.00	Rating **	M	Issue No.	78
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.799633 °	38.802426 °	
			-121.725410 °	-121.724274 °	
DWR ID	DWR_NA0016_01_f_2015_78				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_NA0016_435_78_20151001_00093.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	0.14	Rating **	M	Issue No.	1556
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10087 DS_ID:20224 EP_NO: N/A FS_HLM: 0.139 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual. FS Date: 03/12/2013					

Photo 1 of 3 : UCIP_FA_2015_0337.jpg



Slide gates at pumphouse on LS toe.

LM Start	0.14	Rating **	M	Issue No.	1556 (cont)
LM End	0.14	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0338.jpg



Air vents at outlet on WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	0.14	Rating **	M	Issue No.	1556 (cont)
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10087 DS_ID:20224 EP_NO: N/A FS_HLM: 0.139 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0339.jpg



Pumphouse at LS toe.

LM Start	0.14	Rating **	M	Issue No.	1557
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10085 DS_ID:20356 EP_NO: N/A FS_HLM: 0.14 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual. FS Date: 03/12/2013					

Photo 1 of 3 : UCIP_FA_2015_0307.jpg



Slide gates at pumphouse on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	0.14	Rating **	M	Issue No.	1557 (cont)
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10085 DS_ID:20356 EP_NO: N/A FS_HLM: 0.14 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual. FS Date: 03/12/2013					

Photo 2 of 3 : UCIP_FA_2015_0308.jpg



Air vents on pipes at WS toe.

LM Start	0.14	Rating **	M	Issue No.	1557 (cont)
LM End	0.14	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_0309.jpg



Pump house on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	0.14	Rating **	M	Issue No.	1558
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801491 °	38.801491 °
				-121.725184 °	-121.725184 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10910 DS_ID:20357 EP_NO: N/A FS_HLM: 0.14 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_0374.jpg



Slide gates at pumphouse on LS toe.

LM Start	0.14	Rating **	M	Issue No.	1558 (cont)
LM End	0.14	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0375.jpg



Air vents on pipes at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	0.14	Rating **	M	Issue No.	1558 (cont)
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801491 °	38.801491 °
				-121.725184 °	-121.725184 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10910 DS_ID:20357 EP_NO: N/A FS_HLM: 0.14 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0376.jpg



Pumphouse on LS toe.

LM Start	0.17	Rating **	M	Issue No.	81
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.801776 °	38.801776 °
				-121.725349 °	-121.725349 °
DWR ID	DWR_NA0016_01_s_2015_81				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	0.47	Rating **	M	Issue No.	1559
LM End	0.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.805353 °	38.805353 °
				-121.724207 °	-121.724207 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10103 DS_ID:20226 EP_NO: 1331 FS_HLM: 0.464 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no gate in the slide gate at the concrete distribution box off the landside toe. This may not be an issue as there is a slide gate at the WS toe. FIELD_STRUCT_DESC: 54-inch corrugated metal irrigation pipe through levee 28.0 feet below crown. Vertical pumps on pile structure in the stream, walkway to pumps. Flap gates from pumps and slide gate inside a 7'X10-foot concrete surge box on the waterward side, 1948 installation. 15'X18-foot concrete distribution box 150-feet off landside toe with slide gate. (Permit No. 1331, 1948). Included in 1960 O&M manual. FS Date: 03/25/2013					

Photo 1 of 3 : UCIP_FA_2015_0390.jpg



Vents for 3 pipes entering surge box on WS toe.

Photo 2 of 3 : UCIP_FA_2015_0391.jpg



Pumping plant with concrete surge box and slide gate in foreground-off WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	0.47	Rating **	M	Issue No.	1559 (cont)
LM End	0.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.805353 °	38.805353 °
				-121.724207 °	-121.724207 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10103 DS_ID:20226 EP_NO: 1331 FS_HLM: 0.464 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0392.jpg



Concrete distribution box on 150-feet off landside toe.

LM Start	1.28	Rating **	A/W	Issue No.	82
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.817036 °	38.817036 °
				-121.725410 °	-121.725410 °
DWR ID	DWR_NA0016_01_s_2014_82				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2015_NA0016_435_82_20151001_00094.jpg



View of the dying tree on the waterward side of the levee. Monitor trees that could pose a threat to the integrity of the levee. Fall 2015.

LM Start	1.33	Rating **	A/W	Issue No.	83
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.817781 °	38.817781 °
				-121.725466 °	-121.725466 °
DWR ID	DWR_NA0016_01_s_2014_83				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2015_NA0016_435_83_20150914_00036.jpg



Monitor trees that pose a future threat to the integrity of the levee. Spring 2014

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	1.87	Rating **	A/W	Issue No.	84
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.825534 °	38.825534 °	
			-121.724749 °	-121.724749 °	
DWR ID	DWR_NA0016_01_s_2014_84				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2015_NA0016_435_84_20150914_00037.jpg



Monitor trees that pose a future threat to the integrity of the levee. Spring 2014

LM Start	1.94	Rating **	A/W	Issue No.	85
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.826567 °	38.826567 °	
			-121.725060 °	-121.725060 °	
DWR ID	DWR_NA0016_01_s_2015_85				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0016_435_85_20150914_00038.jpg



View of the sloughing on the landward side of the levee looking upstream. Spring 2015.

LM Start	2.15	Rating **	M	Issue No.	87
LM End	2.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.829330 °	38.829330 °	
			-121.726607 °	-121.726607 °	
DWR ID	DWR_NA0016_01_f_2015_87				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0016_435_87_20151001_00095.jpg



View of the landward slope that was damaged by vehicles looking upstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	2.37	Rating **	M	Issue No.	88
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.831965 °	38.831965 °
				-121.729048 °	-121.729048 °
DWR ID	DWR_NA0016_01_f_2015_88				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0016_435_88_20151001_00096.jpg



View of the animal hole on the landward side of the levee looking upstream. Fall 2015.

LM Start	2.39	Rating **	U	Issue No.	89
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.832187 °	38.832187 °
				-121.729256 °	-121.729256 °
DWR ID	DWR_NA0016_01_f_2015_89				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0016_435_89_20151001_00098.jpg



View of the animal hole on the landward side of the levee looking upstream. Fall 2015.

LM Start	2.39	Rating **	M	Issue No.	1550
LM End	2.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.832203 °	38.832203 °
				-121.729278 °	-121.729278 °
DWR ID	DWR_NA0016_01_f_2013_1550				
Action/Comments					
Debris Inspector Comments: Equipment are at the levee toe.					

Photo 1 of 2 : FA_2015_NA0016_435_1550_20150914_00054.jpg



Pieces of machinery and debris at the levee toe. Spring 2014

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	2.39	Rating **	M	Issue No.	1550 (cont)
LM End	2.39	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.832203 °	38.832203 °	
			-121.729278 °	-121.729278 °	
DWR ID	DWR_NA0016_01_f_2013_1550				
Action/Comments					
Debris Inspector Comments: Equipment are at the levee toe.					

Photo 2 of 2 : FA_2015_NA0016_435_1550_20151001_00097.jpg



View of the machinery along the landward levee toe looking upstream. Fall 2015.

LM Start	2.74	Rating **	M	Issue No.	98
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.836454 °	38.836454 °	
			-121.732037 °	-121.732037 °	
DWR ID	DWR_NA0016_01_f_2015_98				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_NA0016_435_98_20151001_00099.jpg



View of the trees on the landward side of the levee that needs to be trimmed looking upstream. Fall 2015.

LM Start	2.80	Rating **	M	Issue No.	6
LM End	2.80	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.837300 °	38.837300 °	
			-121.731775 °	-121.731775 °	
DWR ID	DWR_NA0016_01_f_2012_6				
Action/Comments					
Landscaping Inspector Comments: River Garden Farms					

Photo 1 of 1 : FA_2015_NA0016_435_6_20151001_00100.jpg



View of the landscaping along the landward slope at River Gardens Farms looking upstream. Fall 2015.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	3.14	Rating **	A/W	Issue No.	86
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.841283 °	38.841283 °	
			-121.728827 °	-121.728827 °	
DWR ID	DWR_NA0016_01_s_2014_86				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2015_NA0016_435_86_20150914_00039.jpg



Monitor trees that pose a future threat to the integrity of the levee. Spring 2014

LM Start	3.56	Rating **	A/W	Issue No.	8
LM End	3.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.846767 °	38.850758 °	
			-121.729943 °	-121.725263 °	
DWR ID	DWR_NA0016_01_s_2012_8				
Action/Comments					
Ditch Inspector Comments: concrete lined					

Photo 1 of 1 : FA_2015_NA0016_435_8_20150914_00006.jpg



A concrete lined ditch runs along the toe of the levee. Fall 2013

LM Start	3.76	Rating **	M	Issue No.	106
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.849210 °	38.849210 °	
			-121.728054 °	-121.728054 °	
DWR ID	DWR_NA0016_01_f_2015_106				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_NA0016_435_106_20151001_00101.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	4.56	Rating **	M	Issue No.	111
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.856685 °	38.858966 °	
			-121.730776 °	-121.731631 °	
DWR ID	DWR_NA0016_01_f_2015_111				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	4.59	Rating **	M	Issue No.	1551
LM End	4.59	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.856995 °	38.856995 °	
			-121.730938 °	-121.730938 °	
DWR ID	DWR_NA0016_01_f_2013_1551				
Action/Comments					
Debris					

Photo 1 of 2 : FA_2015_NA0016_435_1551_20150914_00057.jpg



On going debris pile at the landside toe of the levee. Spring 2014

Photo 2 of 2 : FA_2015_NA0016_435_1551_20151001_00102.jpg



View of the ongoing debris pile at the landward levee toe. Fall 2015.

LM Start	4.59	Rating **	M	Issue No.	1551 (cont)
LM End	4.59	Issue Type +	En	Location *	LS

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	4.67	Rating **	M	Issue No.	112
LM End	4.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.858156 °	38.858156 °	
			-121.731422 °	-121.731422 °	
DWR ID	DWR_NA0016_01_f_2015_112				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_NA0016_435_112_20151001_00103.jpg



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

LM Start	4.80	Rating **	A/W	Issue No.	9
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.859419 °	38.859419 °	
			-121.732708 °	-121.732708 °	
DWR ID	DWR_NA0016_01_s_2012_9				
Action/Comments					
Fence Inspector Comments: chain link fence runs along levee					

Photo 1 of 1 : FA_2015_NA0016_435_9_20151001_00104.jpg



View of the chain link fence along the landward levee toe looking upstream. The fence does not obstruct the view. Fall 2015.

LM Start	6.50	Rating **	M	Issue No.	113
LM End	6.50	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.868129 °	38.868129 °	
			-121.756462 °	-121.756462 °	
DWR ID	DWR_NA0016_01_f_2015_113				
Action/Comments					
Pipe					

Photo 1 of 2 : FA_2015_NA0016_435_113_20151001_00105.jpg



View of the abandoned pipe at the landward levee toe. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	6.50	Rating **	M	Issue No.	113 (cont)
LM End	6.50	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.868129 °	38.868129 °
				-121.756462 °	-121.756462 °
DWR ID	DWR_NA0016_01_f_2015_113				
Action/Comments					
Pipe					

Photo 2 of 2 : FA_2015_NA0016_435_113_20151001_00106.jpg



Perspective view of the abandoned pipe looking upstream. Fall 2015.

LM Start	6.55	Rating **	A/W	Issue No.	91
LM End	6.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.868056 °	38.868056 °
				-121.757267 °	-121.757267 °
DWR ID	DWR_NA0016_01_s_2015_91				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2015_NA0016_435_91_20150914_00041.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	6.82	Rating **	M	Issue No.	1560
LM End	6.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864862 °	38.864862 °
				-121.757516 °	-121.757516 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10129 DS_ID:20228 EP_NO: 1297 FS_HLM: 6.89 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak at flowmeter on WS berm may become problem in near future. FIELD_STRUCT_DESC: *REMOVED*2 of 2: 16-inch steel pipe through levee 5.2 feet below crown. Slant pumps in metal pump house on the waterward bank, supported on steel structure. Pipes discharge into 9.5'x12' concrete distribution box on the landward side. Sparline flow meter on pipes near the waterward toe. (Permit No. 1297, 1948). Also included in the 1960 O&M manual. Removed under permit No. 8501, 2012. FS Date: 03/12/2013					

Photo 1 of 3 : UCIP_FA_2015_0413.jpg



Pipe and fish screen ramp on WS.

LM Start	6.82	Rating **	M	Issue No.	1560 (cont)
LM End	6.82	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0414.jpg



Pumphouse and steps on WS.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	6.82	Rating **	M	Issue No.	1560 (cont)
LM End	6.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864862 °	38.864862 °
				-121.757516 °	-121.757516 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10129 DS_ID:20228 EP_NO: 1297 FS_HLM: 6.89 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0415.jpg



Minor leak at flowmeter on WS berm.

LM Start	7.57	Rating **	A/W	Issue No.	114
LM End	7.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.863323 °	38.863323 °
				-121.765177 °	-121.765177 °
DWR ID	DWR_NA0016_01_f_2015_114				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2015_NA0016_435_114_20151001_00107.jpg



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

LM Start	7.73	Rating **	M	Issue No.	115
LM End	7.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.861982 °	38.861982 °
				-121.767576 °	-121.767576 °
DWR ID	DWR_NA0016_01_f_2015_115				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 1 : FA_2015_NA0016_435_115_20151001_00108.jpg



View of the depression caused by vehicles on the crown of the levee looking upstream. Fall 2015.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	7.80	Rating **	N	Issue No.	116
LM End	8.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.861357 °	38.856379 °
				-121.768641 °	-121.781943 °
DWR ID	DWR_NA0016_01_f_2015_116				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_NA0016_435_116_20151001_00109.jpg



View of the tree stumps along the landward levee toe looking upstream. Fall 2015.

LM Start	7.86	Rating **	M	Issue No.	1561
LM End	7.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861018 °	38.861018 °
				-121.769651 °	-121.769651 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10144 DS_ID:20428 EP_NO: 18206 FS_HLM: 7.942 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 20-inch pipe installed under Permit No. 9377. FS Date: 03/13/2013					

Photo 1 of 3 : UCIP_FA_2015_0419.jpg



Air vent in CMP riser on LS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	7.86	Rating **	M	Issue No.	1561 (cont)
LM End	7.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861018 °	38.861018 °
				-121.769651 °	-121.769651 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10144 DS_ID:20428 EP_NO: 18206 FS_HLM: 7.942 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 20-inch pipe installed under Permit No. 9377. FS Date: 03/13/2013					

Photo 2 of 3 : UCIP_FA_2015_0420.jpg



Stairs and pump on WS.

LM Start	7.86	Rating **	M	Issue No.	1561 (cont)
LM End	7.86	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_0421.jpg



Stairs, distribution box, and air vent in CMP riser on LS.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	7.86	Rating **	M	Issue No.	1562
LM End	7.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861017 °	38.861017 °
				-121.769658 °	-121.769658 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10143 DS_ID:20427 EP_NO: 18206 FS_HLM: 7.942 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_0416.jpg



Vent in riser on LS shoulder.

LM Start	7.86	Rating **	M	Issue No.	1562 (cont)
LM End	7.86	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0417.jpg



Stairs, pump platform on WS.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	7.86	Rating **	M	Issue No.	1562 (cont)
LM End	7.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861017 °	38.861017 °
				-121.769658 °	-121.769658 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10143 DS_ID:20427 EP_NO: 18206 FS_HLM: 7.942 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0418.jpg



Steps, air vent in riser, and distribution box on LS.

LM Start	8.45	Rating **	M	Issue No.	118
LM End	8.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.858559 °	38.858559 °
				-121.779689 °	-121.779689 °
DWR ID	DWR_NA0016_01_f_2015_118				
Action/Comments					
Firewood					

Photo 1 of 1 : FA_2015_NA0016_435_118_20151001_00110.jpg



View of the wood pile on the landward side of the levee. Fall 2015.

LM Start	9.16	Rating **	M	Issue No.	92
LM End	9.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.860284 °	38.860284 °
				-121.784788 °	-121.784788 °
DWR ID	DWR_NA0016_01_s_2015_92				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	9.21	Rating **	U	Issue No.	1563
LM End	9.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.860993 °	38.860993 °
				-121.784840 °	-121.784840 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10150 DS_ID:20231 EP_NO: 1641 FS_HLM: 9.308 Repair Type: Urgent Crossing Status: Found UCIP Comments: Meter removed from pipe on WS and pipe open. Appears abandoned. Pipe should be abandoned properly. FIELD_STRUCT_DESC: 14-inch steel pipe through levee 5.2 feet below crown. Pump on concrete pump platform on the bank. Siphon breaker on the landward slope. Sparling flow meter on pipe on the waterward slope. 42 inch concrete standpipe in concrete distribution box at the landward toe. (Permit No. 1641, 1959). Included in the 1960 O&M Manual. FS Date: 03/13/2013					

Photo 1 of 3 : UCIP_FA_2015_0497.jpg



Pipe open where watermeter was removed.

LM Start	9.21	Rating **	U	Issue No.	1563 (cont)
LM End	9.21	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0498.jpg



Pump platform on WS.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	9.21	Rating **	U	Issue No.	1563 (cont)
LM End	9.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.860993 °	38.860993 °
				-121.784840 °	-121.784840 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10150 DS_ID:20231 EP_NO: 1641 FS_HLM: 9.308 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0499.jpg



Concrete riser on LS toe.

LM Start	9.68	Rating **	A/W	Issue No.	29
LM End	9.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862320 °	38.862848 °
				-121.791243 °	-121.793267 °
DWR ID	DWR_NA0016_01_s_2012_29				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : FA_2015_NA0016_435_29_20150914_00022.jpg



The revegetation site along the berm.

LM Start	9.68	Rating **	A/W	Issue No.	29 (cont)
LM End	9.79	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0016_435_29_20150914_00023.jpg



Revegetation site. Photo taken spring 2012.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	9.90	Rating **	M	Issue No.	93
LM End	9.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.864057 °	38.864057 °
				-121.794176 °	-121.794176 °
DWR ID	DWR_NA0016_01_s_2015_93				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	11.50	Rating **	M	Issue No.	7
LM End	11.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.874854 °	38.875109 °
				-121.813018 °	-121.813592 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site. 2015: No observed changes. [2015 Site ID: SAC_101-3_R]					

Photo 1 of 1 : USACE2013A_SAC_101-3_R_3.jpg



USACE 2013 Photo #1

LM Start	11.71	Rating **	U	Issue No.	966
LM End	11.71	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.876807 °	38.876807 °
				-121.816028 °	-121.816028 °
DWR ID	DWR_NA0016_01_s_2012_966				
Action/Comments					
Crops Inspector Comments: New walnut orchard between toe and river with approximately 80-90 trees.					

Photo 1 of 1 : FA_2015_NA0016_435_966_20151001_00111.jpg



View of the walnut orchard planted on the waterward side of the levee looking upstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	13.53	Rating **	M	Issue No.	123
LM End	13.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.898709 °	38.898709 °
				-121.803780 °	-121.803780 °
DWR ID	DWR_NA0016_01_f_2015_123				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 1 of 1 : FA_2015_NA0016_435_123_20151001_00113.jpg



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

LM Start	13.64	Rating **	M	Issue No.	124
LM End	13.64	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.900238 °	38.900238 °
				-121.804446 °	-121.804446 °
DWR ID	DWR_NA0016_01_f_2015_124				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 1 of 1 : FA_2015_NA0016_435_124_20151001_00114.jpg



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

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	16.22	Rating **	M	Issue No.	1564
LM End	16.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.923407 °	38.923407 °
				-121.834588 °	-121.834588 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10203 DS_ID:20432 EP_NO: N/A FS_HLM: 16.394 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if this is a permitted crossing as it was not previously noted. Need to determine size and depth below the crown. FIELD_STRUCT_DESC: Gas line through levee at unknown depth below the crown. Marker on WS shoulder. FS Date: 03/13/2013					

Photo 1 of 2 : UCIP_FA_2015_0452.jpg



Gasline marker on WS shoulder.

LM Start	16.22	Rating **	M	Issue No.	1564 (cont)
LM End	16.22	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2015_0453.jpg



Gasline marker on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	16.63	Rating **	M	Issue No.	126
LM End	16.63	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.927940 °	38.927940 °	
			-121.838359 °	-121.838359 °	
DWR ID	DWR_NA0016_01_f_2015_126				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0016_435_126_20151001_00115.jpg



View of the prunings on the landward side of the levee looking upstream. Fall 2015.

LM Start	17.14	Rating **	M	Issue No.	127
LM End	17.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.934561 °	38.934561 °	
			-121.834473 °	-121.834473 °	
DWR ID	DWR_NA0016_01_f_2015_127				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	17.94	Rating **	M	Issue No.	1565
LM End	17.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.942979 °	38.942979 °
				-121.837030 °	-121.837030 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:11323 DS_ID:22957 EP_NO: 18026 FS_HLM: 18.101 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Conduit needs to be located and signs installed where it crosses the levee crown. FIELD_STRUCT_DESC: Electric Conduit through the levee at unknown depth. Signage on LS shoulder. (Permit No. 18026, 2007) FS Date: 03/13/2013					

Photo 1 of 1 : UCIP_FA_2015_0220.jpg



Sign on LS shoulder.

LM Start	18.21	Rating **	A/W	Issue No.	15
LM End	18.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.946742 °	38.950180 °
				-121.837557 °	-121.837760 °
DWR ID	DWR_NA0016_01_s_2012_15				
Action/Comments					
Ditch Inspector Comments: concrete lined					

Photo 1 of 1 : FA_2015_NA0016_435_15_20150914_00013.jpg



A concrete lined ditch. Fall 2012

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	18.25	Rating **	M	Issue No.	94
LM End	18.25	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.947323 °	38.947323 °	
			-121.837406 °	-121.837406 °	
DWR ID	DWR_NA0016_01_s_2015_94				
Action/Comments					
Firewood					

Photo 1 of 1 : FA_2015_NA0016_435_94_20150914_00042.jpg



View of the firewood on the waterward side of the levee looking upstream. Spring 2015.

LM Start	18.54	Rating **	A/W	Issue No.	16
LM End	18.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.951400 °	38.951400 °	
			-121.838255 °	-121.838255 °	
DWR ID	DWR_NA0016_01_s_2012_16				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_NA0016_435_16_20150914_00014.jpg



Another rice mill on the crown. Photo taken spring 2012.

LM Start	18.68	Rating **	M	Issue No.	18
LM End	18.68	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.952925 °	38.952925 °	
			-121.840010 °	-121.840010 °	
DWR ID	DWR_NA0016_01_s_2012_18				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2015_NA0016_435_18_20150914_00016.jpg



Groundcover and trees with irrigation are planted on the levee slope. Fall 2011.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	18.71	Rating **	M	Issue No.	128
LM End	18.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.953270 °	38.953270 °	
			-121.840232 °	-121.840232 °	
DWR ID	DWR_NA0016_01_f_2015_128				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	18.76	Rating **	M	Issue No.	10
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.954060 °	38.954312 °	
			-121.840560 °	-121.840774 °	
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe. 2015: No observed changes. [2015 Site ID: SAC_111-0_R]					

Photo 1 of 1 : USACE2013A_SAC_111-0_R_1.jpg



USACE 2013 Photo #1

LM Start	18.83	Rating **	A/W	Issue No.	22
LM End	18.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.954756 °	38.955499 °	
			-121.841432 °	-121.841271 °	
DWR ID	DWR_NA0016_01_s_2012_22				
Action/Comments					
Ditch Inspector Comments: concrete lined					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	19.14	Rating **	A/W	Issue No.	31
LM End	19.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.957332 °	38.966719 °	
			-121.837043 °	-121.835880 °	
DWR ID	DWR_NA0016_01_s_2012_31				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2015_NA0016_435_31_20150914_00026.jpg



The concrete lined agricultural ditch runs along the toe. Fall 2011.

LM Start	19.37	Rating **	M	Issue No.	96
LM End	19.37	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.959642 °	38.959642 °	
			-121.834004 °	-121.834004 °	
DWR ID	DWR_NA0016_01_s_2015_96				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_NA0016_435_96_20150914_00044.jpg



View of the building on the waterward side of the levee looking upstream. Spring 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	19.50	Rating **	M	Issue No.	1566
LM End	19.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.961221 °	38.961221 °
				-121.833230 °	-121.833230 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:10253
 DS_ID:20246
 EP_NO: 1507
 FS_HLM: 19.719
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe appears abandoned. Needs to be abandoned properly.
 FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through levee 8.4 feet below crown. Gate valve on the waterward side, siphon breaker in 24-inch CMP riser on the landward slope. Concrete distribution box in irrigation ditch at the toe of the landward slope (Permit No. 1507, 1959). Included in the 1960 O&M manual.
 FS Date: 03/13/2013

Photo 1 of 2 : UCIP_FA_2015_0356.jpg



Concrete distribution box under heavy blackberry cover at LS toe.

LM Start	19.50	Rating **	M	Issue No.	1566 (cont)
LM End	19.50	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2015_0357.jpg



CMP Riser on shoulder and concrete distribution box under heavy blackberry cover at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	20.72	Rating **	M	Issue No.	32
LM End	22.08	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.974042 °	38.989532 °	
			-121.825713 °	-121.816695 °	
DWR ID	DWR_NA0016_01_s_2012_32				
Action/Comments					
Ditch					

No Photos

LM Start	22.11	Rating **	A/W	Issue No.	30
LM End	22.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.989493 °	38.989712 °	
			-121.816257 °	-121.810410 °	
DWR ID	DWR_NA0016_01_s_2012_30				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : FA_2015_NA0016_435_30_20150914_00024.jpg



The revegetation site on the berm.

LM Start	22.11	Rating **	A/W	Issue No.	30 (cont)
LM End	22.42	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0016_435_30_20150914_00025.jpg



Revegetation site. Photo taken spring 2012.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	22.55	Rating **	M	Issue No.	129
LM End	22.55	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.990101 °	38.990101 °	
			-121.808116 °	-121.808116 °	
DWR ID	DWR_NA0016_01_f_2015_129				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_NA0016_435_129_20151001_00117.jpg



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

LM Start	22.70	Rating **	M	Issue No.	1567
LM End	22.70	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.989862 °	38.989862 °	
			-121.805243 °	-121.805243 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10266 DS_ID:20248 EP_NO: N/A FS_HLM: 22.969 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs to be verified as having been properly abandoned. FIELD_STRUCT_DESC: 24-inch pipe through levee 19.5 feet below crown. Abandoned concrete pumphouse on waterward toe. Originally included in the 1960 O&M manual. FS Date: 03/14/2013					

Photo 1 of 2 : UCIP_FA_2015_0262.jpg



Concrete box on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	22.70	Rating **	M	Issue No.	1567 (cont)
LM End	22.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989862 °	38.989862 °
				-121.805243 °	-121.805243 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10266 DS_ID:20248 EP_NO: N/A FS_HLM: 22.969 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs to be verified as having been properly abandoned. FIELD_STRUCT_DESC: 24-inch pipe through levee 19.5 feet below crown. Abandoned concrete pumphouse on waterward toe. Originally included in the 1960 O&M manual. FS Date: 03/14/2013					

Photo 2 of 2 : UCIP_FA_2015_0263.jpg



Concrete pumphouse on WS berm.

LM Start	22.88	Rating **	M	Issue No.	130
LM End	22.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.990232 °	38.990232 °
				-121.802105 °	-121.802105 °
DWR ID	DWR_NA0016_01_f_2015_130				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	23.17	Rating **	M	Issue No.	97
LM End	23.58	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.993116 °	38.997595 °	
			-121.798088 °	-121.798283 °	
DWR ID	DWR_NA0016_01_s_2015_97				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2015_NA0016_435_97_20150914_00045.jpg



View of the ditch at the toe of the landward side of the levee looking upstream. Spring 2015.

LM Start	23.55	Rating **	M	Issue No.	11
LM End	23.65	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.997696 °	38.998336 °	
			-121.797584 °	-121.799298 °	
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2015: No observed changes. [2015 Site ID: SAC_115-9_R]					

Photo 1 of 1 : USACE2013A_SAC_115-9_R_5.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	23.70	Rating **	M	Issue No.	1568
LM End	23.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998247 °	38.998247 °
				-121.800236 °	-121.800236 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10261 DS_ID:20249 EP_NO: 9374 FS_HLM: 23.976 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Pipe should be properly abandoned. FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal pipe through levee 20.0 feet below crown. One corrugated metal cutoff wall installed by United States Army Corp of Engineers, 1955. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump on the waterward bank. Concrete standpipe at toe of the landward slope (ABO No. 9374, 1974). Originally included in the 1960 O&M manual. FS Date: 03/14/2013					

Photo 1 of 3 : UCIP_FA_2015_0257.jpg



abandoned pump platform on Rivers edge.

LM Start	23.70	Rating **	M	Issue No.	1568 (cont)
LM End	23.70	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0258.jpg



Concrete distribution riser on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	23.70	Rating **	M	Issue No.	1568 (cont)
LM End	23.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998247 °	38.998247 °
				-121.800236 °	-121.800236 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10261 DS_ID:20249 EP_NO: 9374 FS_HLM: 23.976 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0259.jpg



36-inch cmp riser on WS slope with slide gate.

LM Start	24.73	Rating **	M	Issue No.	1569
LM End	24.73	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.005097 °	39.005097 °
				-121.816116 °	-121.816116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10265 DS_ID:20251 EP_NO: 9328 FS_HLM: 25.018 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 20.0 feet below crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. 7'X9' Distribution box at toe of the landward slope (ABO. No. 9328, 1960) FS Date: 03/14/2013					

Photo 1 of 2 : UCIP_FA_2015_0260.jpg



7-foot by 9-foot distribution box at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	24.73	Rating **	M	Issue No.	1569 (cont)
LM End	24.73	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.005097 °	39.005097 °
				-121.816116 °	-121.816116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10265 DS_ID:20251 EP_NO: 9328 FS_HLM: 25.018 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 20.0 feet below crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. 7'X9' Distribution box at toe of the landward slope (ABO. No. 9328, 1960) FS Date: 03/14/2013					

Photo 2 of 2 : UCIP_FA_2015_0261.jpg



Slide gate in 36-inch CMP riser on WS slope.

LM Start	24.84	Rating **	M	Issue No.	34
LM End	24.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.005240 °	39.005240 °
				-121.818123 °	-121.818123 °
DWR ID	DWR_NA0016_01_s_2012_34				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2015_NA0016_435_34_20150914_00029.jpg



The tall grasses blend with the groundcover on the leve slope. Photo taken spring 2012.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	25.02	Rating **	U	Issue No.	1570
LM End	25.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006538 °	39.006538 °
				-121.821058 °	-121.821058 °
DWR ID					

Action/Comments
 Inspector Comments: FS_ID:42860
 DS_ID:20339
 EP_NO: 9330
 FS_HLM: 25.312
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Possible sink hole over pipe alignment on WS berm at rivers edge. general condition of pipe and appurtances in disrepair.
 FIELD_STRUCT_DESC: 10-inch pipe through levee 12.3 feet below crown. 6-inch pipe discharges into 10-inch pipe on waterward end, portable pump and gate valve on waterward side. Power pole and anchor on waterward shoulder and toe (ABO No. 9330, 1960). Originally included in the 1960 O&M manual.
 FS Date: 03/14/2013

Photo 1 of 3 : UCIP_FA_2015_0264.jpg



Pump platform on WS slope..

LM Start	25.02	Rating **	U	Issue No.	1570 (cont)
LM End	25.02	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0265.jpg



6-inch pipe at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	25.02	Rating **	U	Issue No.	1570 (cont)
LM End	25.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006538 °	39.006538 °
				-121.821058 °	-121.821058 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42860 DS_ID:20339 EP_NO: 9330 FS_HLM: 25.312 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0266.jpg



Pipe located at base of tree off LS toe.

LM Start	25.75	Rating **	M	Issue No.	12
LM End	25.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.014499 °	39.016401 °
				-121.825880 °	-121.824230 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC_118-0_R]					

Photo 1 of 1 : USACE2013A_SAC_118-0_R_2.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	26.46	Rating **	M	Issue No.	1571
LM End	26.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023842 °	39.023842 °
				-121.823077 °	-121.823077 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10285 DS_ID:20253 EP_NO: 9136 FS_HLM: 26.771 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: 18-inch steel pipe through levee 3.0 feet below crown. Steel cutoff wall at centerline. Air release valve on the waterward shoulder (Permit No. 9136, 1974). Slide gate in 72-inch diameter CMP riser on LS toe. FS Date: 03/14/2013					

Photo 1 of 2 : UCIP_FA_2015_0340.jpg



Air release valve on WS shoulder.

Photo 2 of 2 : UCIP_FA_2015_0341.jpg



72-inch CMP riser on LS toe under JP next to tree.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	27.46	Rating **	M	Issue No.	1572
LM End	27.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033767 °	39.033767 °
				-121.833110 °	-121.833110 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10289 DS_ID:20256 EP_NO: 9368 FS_HLM: 27.784 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP_FA_2015_0361.jpg



steel standpipe on WS toe.

LM Start	27.46	Rating **	M	Issue No.	1572 (cont)
LM End	27.46	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2015_0362.jpg



gate valve off landside toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	27.46	Rating **	M	Issue No.	1573
LM End	27.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033814 °	39.033814 °
				-121.833158 °	-121.833158 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10290 DS_ID:20416 EP_NO: N/A FS_HLM: 27.789 Repair Type: Non-Urgent Crossing Status: Indicator Found					

Photo 1 of 2 : UCIP_FA_2015_0363.jpg



Pipe debris on WS slope.

LM Start	27.46	Rating **	M	Issue No.	1573 (cont)
LM End	27.46	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2015_0364.jpg



Pipe debris on WS slope.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	27.54	Rating **	M	Issue No.	1574
LM End	27.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.034870 °	39.034870 °
				-121.833501 °	-121.833501 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10291 DS_ID:20257 EP_NO: 9355 FS_HLM: 27.865 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_0365.jpg



Excavation at WS toe where pipe should be.

LM Start	27.54	Rating **	M	Issue No.	1574 (cont)
LM End	27.54	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0366.jpg



Gate valve buried on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	27.54	Rating **	M	Issue No.	1574 (cont)
LM End	27.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.034870 °	39.034870 °
				-121.833501 °	-121.833501 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10291 DS_ID:20257 EP_NO: 9355 FS_HLM: 27.865 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0367.jpg



Gate valve buried on LS toe.

LM Start	27.79	Rating **	M	Issue No.	131
LM End	27.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.038433 °	39.038433 °
				-121.832345 °	-121.832345 °
DWR ID	DWR_NA0016_01_f_2015_131				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	28.02	Rating **	M	Issue No.	59
LM End	28.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.040750 °	39.040750 °
				-121.835299 °	-121.835299 °
DWR ID	DWR_NA0016_01_s_2012_59				
Action/Comments					
Debris Inspector Comments: piles of concrete					

Photo 1 of 2 : FA_2015_NA0016_435_59_20150914_00032.jpg



Concrete debris is on the waterside levee slope. Fall 2011.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	28.02	Rating **	M	Issue No.	59 (cont)
LM End	28.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.040750 °	39.040750 °
				-121.835299 °	-121.835299 °
DWR ID	DWR_NA0016_01_s_2012_59				
Action/Comments					
Debris Inspector Comments: piles of concrete					

Photo 2 of 2 : FA_2015_NA0016_435_59_20150914_00033.jpg



Concrete debris that was on the levee slope is now on the berm area. Spring 2014

LM Start	28.05	Rating **	M	Issue No.	132
LM End	28.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.041013 °	39.041013 °
				-121.835747 °	-121.835747 °
DWR ID	DWR_NA0016_01_f_2015_132				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0016_435_132_20151001_00118.jpg



View of the slope stability damaged by foot traffic on the landward side of the levee looking upstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	28.61	Rating **	U	Issue No.	1575
LM End	28.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.047758 °	39.047758 °
				-121.840914 °	-121.840914 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41839 DS_ID:20319 EP_NO: 16632 FS_HLM: 28.95 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No gasoline markers on either side of levee. FIELD_STRUCT_DESC: 4-inch natural gas pipeline through levee 62.0 feet below crown. Crosses channel (Permit No. 16632, 1999). Gas well visible 1500-feet west of levee. FS Date: 03/15/2013					

Photo 1 of 1 : UCIP_FA_2015_0383.jpg



gas well 1500-feet west of this location.

LM Start	28.78	Rating **	U	Issue No.	1576
LM End	28.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.050186 °	39.050186 °
				-121.841553 °	-121.841553 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10324 DS_ID:20311 EP_NO: 12609 FS_HLM: 29.123 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate missing from waterward end of pipe. FIELD_STRUCT_DESC: 24-inch steel outfall pipe through levee 4.1 feet below crown. Siphon breaker in 18-inch concrete riser on WS shoulder. Flap gate on discharge end of pipe 130 feet waterward of the centerline of the levee at elevation 41.5 feet, USED Datum, and the riverbank has rock protection at this location (Permit No. 12609, 1979). FS Date: 03/15/2013					

Photo 1 of 3 : UCIP_FA_2015_0384.jpg



Pipe missing flap gate at waters edge.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	28.78	Rating **	U	Issue No.	1576 (cont)
LM End	28.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.050186 °	39.050186 °
				-121.841553 °	-121.841553 °
DWR ID					

Action/Comments
 Inspector Comments: FS_ID:10324
 DS_ID:20311
 EP_NO: 12609
 FS_HLM: 29.123
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Flap gate missing from waterward end of pipe.
 FIELD_STRUCT_DESC: 24-inch steel outfall pipe through levee 4.1 feet below crown. Siphon breaker in 18-inch concrete riser on WS shoulder. Flap gate on discharge end of pipe 130 feet waterward of the centerline of the levee at elevation 41.5 feet, USED Datum, and the riverbank has rock protection at this location (Permit No. 12609, 1979).
 FS Date: 03/15/2013

LM Start	28.78	Rating **	U	Issue No.	1576 (cont)
LM End	28.78	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0385.jpg



Pipe and flap gate at rivers edge

Photo 3 of 3 : UCIP_FA_2015_0386.jpg



18-inch concrete riser on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	28.87	Rating **	M	Issue No.	133
LM End	28.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.051571 °	39.051571 °	
			-121.841871 °	-121.841871 °	
DWR ID	DWR_NA0016_01_f_2015_133				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					

Photo 1 of 1 : FA_2015_NA0016_435_133_20151001_00119.jpg



View of the depression caused by animal activity on the landward side of the levee looking upstream. Fall 2015.

LM Start	29.69	Rating **	M	Issue No.	2
LM End	29.73	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		39.063209 °	39.063997 °	
			-121.838927 °	-121.839335 °	
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Mass failure of the lower cohesive bank and toe. 2000 - Still eroding, steeply dipping foresets in the toe are falling off. 2010 - Some new erosion and some new deposition. Eddy current off the upstream rock. 2011 - Still plenty of berm left. 2015: No observed changes. [2015 Site ID: SAC_122-0_R]					

Photo 1 of 1 : USACE2013A_SAC_122-0_R_5.jpg



USACE 2013 Photo #1

LM Start	29.96	Rating **	M	Issue No.	13
LM End	30.00	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		39.065886 °	39.066287 °	
			-121.842950 °	-121.843602 °	
DWR ID					
Action/Comments					
Inspector Comments: 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2015: Undermining of toe rock. [2015 Site ID: SAC_122-3_R]					

Photo 1 of 1 : USACE2013A_SAC_122-3_R_6.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	30.08	Rating **	M	Issue No.	1577
LM End	30.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066749 °	39.066749 °
				-121.844987 °	-121.844987 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10325 DS_ID:20317 EP_NO: 14495 FS_HLM: 30.439 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe may need flap gate at water side. FIELD_STRUCT_DESC: 22-inch steel storm drain pipe through levee 3.8 feet below crown. Pipe extends from existing pumphouse located at the landward toe through the levee to the low water channel Siphon breaker in 24-inch CMP riser on LS shoulder. (Permit No. 14495, 1987). Replaced 12-inch and 16-inch pipes installed under Permit No. 9358. FS Date: 03/15/2013					

Photo 1 of 3 : UCIP_FA_2015_0387.jpg



Pumphouse at LS toe.

Photo 2 of 3 : UCIP_FA_2015_0388.jpg



Siphon breaker in 24-inch cmp on LS shoulder.

LM Start	30.08	Rating **	M	Issue No.	1577 (cont)
LM End	30.08	Issue Type +	En	Location *	WS

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	30.08	Rating **	M	Issue No.	1577 (cont)
LM End	30.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066749 °	39.066749 °
				-121.844987 °	-121.844987 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10325 DS_ID:20317 EP_NO: 14495 FS_HLM: 30.439 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0389.jpg



24-inch pipe at rivers edge

LM Start	30.86	Rating **	M	Issue No.	135
LM End	30.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.068482 °	39.068482 °
				-121.856639 °	-121.856639 °
DWR ID	DWR_NA0016_01_f_2015_135				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0016_435_135_20151001_00120.jpg



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

LM Start	31.28	Rating **	M	Issue No.	99
LM End	31.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066921 °	39.066921 °
				-121.864077 °	-121.864077 °
DWR ID	DWR_NA0016_01_s_2015_99				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_NA0016_435_99_20150914_00046.jpg



View of the beehives on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	31.43	Rating **	M	Issue No.	17
LM End	31.45	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.067004 °	39.066901 °
				-121.866913 °	-121.867322 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end. 2015: No observed changes. [2015 Site ID: SAC_123-7_R]					

Photo 1 of 1 : USACE2013A_SAC_123-7_R_3.jpg



USACE 2013 Photo #1

LM Start	31.61	Rating **	M	Issue No.	1578
LM End	31.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066163 °	39.066163 °
				-121.870198 °	-121.870198 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:11543 DS_ID:20262 EP_NO: 9338 FS_HLM: 31.999 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump FIELD_STRUCT_DESC: 24-inch steel pipe through levee 24.0 feet below crown (ABO No. 9338, 1960). Slide gate in abandoned concrete pump house on the waterward slope. Three slant pumps mounted on pile structure on the waterward bank. 30-inch concrete pipe under the highway on the landside. 48-inch steel riser on the landside of highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on waterward shoulder at L.M. 32.01. Ramps on both slopes. Originally included in the 1960 O&M manual. FS Date: 03/15/2013					

Photo 1 of 3 : UCIP_FA_2015_0192.jpg



Slide gate inside concrete block house.

* 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	31.61	Rating **	M	Issue No.	1578 (cont)	
LM End	31.61	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.066163 °	39.066163 °	
				-121.870198 °	-121.870198 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:11543 DS_ID:20262 EP_NO: 9338 FS_HLM: 31.999 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump FIELD_STRUCT_DESC: 24-inch steel pipe through levee 24.0 feet below crown (ABO No. 9338, 1960). Slide gate in abandoned concrete pump house on the waterward slope. Three slant pumps mounted on pile structure on the waterward bank. 30-inch concrete pipe under the highway on the landside. 48-inch steel riser on the landside of highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on waterward shoulder at L.M. 32.01. Ramps on both slopes. Originally included in the 1960 O&M manual. FS Date: 03/15/2013						

Photo 2 of 3 : UCIP_FA_2015_0193.jpg



Siphon breaker on LS toe.

Photo 3 of 3 : UCIP_FA_2015_0194.jpg



Concrete block houe with slide gate inside.

* 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	32.07	Rating **	M	Issue No.	136
LM End	32.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.069416 °	39.069416 °
				-121.877380 °	-121.877380 °
DWR ID	DWR_NA0016_01_f_2015_136				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_NA0016_435_136_20151001_00121.jpg



View of a fallen tree branch on the crown of the levee looking upstream. Fall 2015.

LM Start	32.27	Rating **	M	Issue No.	1579
LM End	32.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.069857 °	39.069857 °
				-121.880923 °	-121.880923 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10364 DS_ID:20304 EP_NO: 9374 FS_HLM: 32.66 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify type of abandonment FIELD_STRUCT_DESC: 2 of 4: *Abandoned* 4-inch pipe through levee 6.5 feet below crown. Gate valve on the waterward end. Siphon breaker in 24-inch corrugated metal riser unit on the landward slope. 4X4-concrete distribution box on south side of highway 45 at LS toe. (ABO No. 9374, 1960). Originally included in the 1960 O&M manual. FS Date: 03/15/2013					

Photo 1 of 2 : UCIP_FA_2015_0176.jpg



4X4 concrete box off LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	32.27	Rating **	M	Issue No.	1579 (cont)
LM End	32.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.069857 °	39.069857 °
DWR ID				-121.880923 °	-121.880923 °
Action/Comments					
Inspector Comments: FS_ID:10364 DS_ID:20304 EP_NO: 9374 FS_HLM: 32.66 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify type of abandonment FIELD_STRUCT_DESC: 2 of 4: *Abandoned* 4-inch pipe through levee 6.5 feet below crown. Gate valve on the waterward end. Siphon breaker in 24-inch corrugated metal riser unit on the landward slope. 4X4-concrete distribution box on south side of highway 45 at LS toe. (ABO No. 9374, 1960). Originally included in the 1960 O&M manual. FS Date: 03/15/2013					

Photo 2 of 2 : UCIP_FA_2015_0177.jpg



Siphon Breaker in 25-inch CMP riser on LS slope with 4X4 concrete box off LS toe.

LM Start	32.97	Rating **	M	Issue No.	43
LM End	32.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
			Start	End	
Item	Encroachments			39.074331 °	39.074331 °
DWR ID	DWR_NA0016_01_s_2012_43			-121.891989 °	-121.891989 °
Action/Comments					
Building Inspector Comments: This is the town of Grimes.					

No Photos

* 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	33.29	Rating **	M	Issue No.	5
LM End	33.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.078340 °	39.079351 °
				-121.894656 °	-121.895317 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping. 2012 - Site appears to be relatively stable. 2013 - New animal holes. 2015: No observed changes. [2015 Site ID: SAC_125-6_R]					

Photo 1 of 1 : USACE2013A_SAC_125-6_R_5.jpg



USACE 2013 Photo #1

LM Start	33.37	Rating **	M	Issue No.	137
LM End	33.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.079366 °	39.079366 °
				-121.895677 °	-121.895677 °
DWR ID	DWR_NA0016_01_f_2015_137				
Action/Comments					
Debris					

Photo 1 of 2 : FA_2015_NA0016_435_137_20151001_00124.jpg



View of debris on the waterward side of the levee. Fall 2015.

LM Start	33.37	Rating **	M	Issue No.	137 (cont)
LM End	33.37	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2015_NA0016_435_137_20151001_00122.jpg



Perspective view of the debris on the waterward side of the levee looking upstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	34.00	Rating **	M	Issue No.	1580
LM End	34.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.087072 °	39.087072 °
				-121.896464 °	-121.896464 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10403 DS_ID:20268 EP_NO: 9364A FS_HLM: 34.417 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_0184.jpg



Pipe at waters edge.

LM Start	34.00	Rating **	M	Issue No.	1580 (cont)
LM End	34.00	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0185.jpg



siphon breaker in 36-inch steel riser on LS slope with concrete distribution box on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	34.00	Rating **	M	Issue No.	1580 (cont)
LM End	34.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.087072 °	39.087072 °
				-121.896464 °	-121.896464 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10403 DS_ID:20268 EP_NO: 9364A FS_HLM: 34.417 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0186.jpg



Pump at WS berm.

LM Start	34.01	Rating **	M	Issue No.	100
LM End	34.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.087176 °	39.088099 °
				-121.896480 °	-121.896498 °
DWR ID	DWR_NA0016_01_s_2015_100				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2015_NA0016_435_100_20150914_00047.jpg



View of the ditch at the landward side of the levee looking upstream. Spring 2015.

LM Start	35.22	Rating **	M	Issue No.	138
LM End	35.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.099225 °	39.099225 °
				-121.904326 °	-121.904326 °
DWR ID	DWR_NA0016_01_f_2015_138				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_NA0016_435_138_20151001_00125.jpg



View of the fall tree branch on the waterward side of the levee looking upstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	35.23	Rating **	M	Issue No.	1
LM End	35.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.099482 °	39.100836 °
				-121.903430 °	-121.904320 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2012 - Site extended downstream, minor new erosion. 2013- Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_127-9_R]					

Photo 1 of 1 : USACE2013A_SAC_127-9_R_5.jpg



USACE 2013 Photo #1

LM Start	35.56	Rating **	M	Issue No.	1581
LM End	35.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10425 DS_ID:20398 EP_NO: 9364 FS_HLM: 35.996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Remove abandoned pipe from levee. FIELD_STRUCT_DESC: 4 of 4: *Abandoned* 1.25-inch conduit through levee 3.0 feet below crown (ABO No. 9364A). FS Date: 03/18/2013					

Photo 1 of 2 : UCIP_FA_2015_0188.jpg



Electrical conduit on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	35.56	Rating **	M	Issue No.	1581 (cont)
LM End	35.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
	Start		End		
Item	DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10425 DS_ID:20398 EP_NO: 9364 FS_HLM: 35.996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Remove abandoned pipe from levee. FIELD_STRUCT_DESC: 4 of 4: *Abandoned* 1.25-inch conduit through levee 3.0 feet below crown (ABO No. 9364A). FS Date: 03/18/2013					

Photo 2 of 2 : UCIP_FA_2015_0333.jpg



Electrical conduit on WS shoulder.

LM Start	35.56	Rating **	M	Issue No.	1582
LM End	35.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
	Start		End		
Item	DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10424 DS_ID:20273 EP_NO: 9364A FS_HLM: 35.996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify type of abandonment. FIELD_STRUCT_DESC: 3 of 4: 18-inch steel pipe through levee 16.0 feet below crown. Metal cutoff wall. Gate valve on the waterward bank. Siphon breaker in 24-inch corrugated metal riser unit on the landward shoulder. (ABO No. 9364A, 1960). Originally included in the 1960 O&M manual. FS Date: 03/18/2013					

Photo 1 of 1 : UCIP_FA_2015_0187.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	35.69	Rating **	A/W	Issue No.	139
LM End	35.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.105381 °	39.105381 °	
			-121.907770 °	-121.907770 °	
DWR ID	DWR_NA0016_01_f_2015_139				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2015_NA0016_435_139_20151001_00126.jpg



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

LM Start	35.86	Rating **	M	Issue No.	140
LM End	35.86	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.107611 °	39.107611 °	
			-121.908817 °	-121.908817 °	
DWR ID	DWR_NA0016_01_f_2015_140				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_NA0016_435_140_20151001_00127.jpg



View of the fallen tree branch on the waterward side of the levee looking upstream. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	36.15	Rating **	M	Issue No.	1583
LM End	36.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.111233 °	39.111233 °
				-121.911450 °	-121.911450 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:10426
 DS_ID:20345
 EP_NO: 9374
 FS_HLM: 36.597
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary.
 FIELD_STRUCT_DESC: 3 of 3: *Abandoned* 24-inch concrete encased steel drain pipe through levee 17.0 feet below crown. Slide gate on concrete headwalls in waterward end, walkway to control gate and gate valve on landward end (ABO No. 9374, 1960). Originally included in the 1960 O&M manual.
 FS Date: 03/18/2013

Photo 1 of 3 : UCIP_FA_2015_0334.jpg



Outlet/inlet on WS toe.

LM Start	36.15	Rating **	M	Issue No.	1583 (cont)
LM End	36.15	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0335.jpg



Headwall and gate valve on LS toe burried but partially exposed.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	36.15	Rating **	M	Issue No.	1583 (cont)
LM End	36.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.111233 °	39.111233 °
				-121.911450 °	-121.911450 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10426 DS_ID:20345 EP_NO: 9374 FS_HLM: 36.597 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0336.jpg



Slide gate on WS toe.

LM Start	36.24	Rating **	M	Issue No.	1584
LM End	36.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.112377 °	39.112377 °
				-121.912286 °	-121.912286 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10444 DS_ID:20274 EP_NO: 9374 FS_HLM: 36.69 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal pipe through levee 15.5 feet below crown (ABO No. 9374, 1974). Two corrugated metal cutoff walls. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Pump house with no connection on waterward bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on LS toe. Skid rails mounted on wood piling on the waterward slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the waterward shoulder. Power pole and meter box on the waterward shoulder. Switch panel in metal house on the waterward slope. Concrete standpipe on the landward side. Overhead power line crosses the levee to service pole. FS Date: 03/18/2013					

Photo 1 of 3 : UCIP_FA_2015_0462.jpg



Pump house, JP, and wooden ramp on WS slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	36.24	Rating **	M	Issue No.	1584 (cont)
LM End	36.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.112377 °	39.112377 °
				-121.912286 °	-121.912286 °
DWR ID					

Photo 2 of 3 : UCIP_FA_2015_0463.jpg



Action/Comments

Inspector Comments: FS_ID:10444
 DS_ID:20274
 EP_NO: 9374
 FS_HLM: 36.69
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe should be abandoned properly.
 FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal pipe through levee 15.5 feet below crown (ABO No. 9374, 1974). Two corrugated metal cutoff walls. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Pump house with no connection on waterward bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on LS toe. Skid rails mounted on wood piling on the waterward slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the waterward shoulder. Power pole and meter box on the waterward shoulder. Switch panel in metal house on the waterward slope. Concrete standpipe on the landward side. Overhead power line crosses the levee to service pole.
 FS Date: 03/18/2013

Wooden ramp and 2-inch pump connection at WS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	36.24	Rating **	M	Issue No.	1584 (cont)	
LM End	36.24	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR UCIP Field Study			39.112377 °	39.112377 °	
				-121.912286 °	-121.912286 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:10444 DS_ID:20274 EP_NO: 9374 FS_HLM: 36.69 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal pipe through levee 15.5 feet below crown (ABO No. 9374, 1974). Two corrugated metal cutoff walls. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Pump house with no connection on waterward bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on LS toe. Skid rails mounted on wood piling on the waterward slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the waterward shoulder. Power pole and meter box on the waterward shoulder. Switch panel in metal house on the waterward slope. Concrete standpipe on the landward side. Overhead power line crosses the levee to service pole. FS Date: 03/18/2013						

Photo 3 of 3 : UCIP_FA_2015_0464.jpg



36-inch CMP riser with slide gate on WS slope with 12-inch pipe at Toe.

LM Start	36.32	Rating **	M	Issue No.	141	
LM End	36.32	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
			Start	End		
Item	Encroachments			39.113305 °	39.113305 °	
				-121.913224 °	-121.913224 °	
DWR ID	DWR_NA0016_01_f_2015_141					
Action/Comments						
Prunings						

Photo 1 of 1 : FA_2015_NA0016_435_141_20151001_00128.jpg



View of the pile of prunings on the landward side of the levee. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	36.90	Rating **	M	Issue No.	101
LM End	37.15	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.120210 °	39.121510 °	
			-121.917018 °	-121.921172 °	
DWR ID	DWR_NA0016_01_s_2015_101				
Action/Comments					
Ditch					

No Photos

LM Start	37.07	Rating **	A/W	Issue No.	33
LM End	37.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.120977 °	39.121543 °	
			-121.919843 °	-121.921245 °	
DWR ID	DWR_NA0016_01_s_2012_33				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : FA_2015_NA0016_435_33_20150914_00027.jpg



The revegetation on the berm with the fence and stakes.

LM Start	37.07	Rating **	A/W	Issue No.	33 (cont)
LM End	37.15	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0016_435_33_20150914_00028.jpg



Revegetation site. Photo taken spring 2012.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	39.93	Rating **	M	Issue No.	1585
LM End	39.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:10528
 DS_ID:20282
 EP_NO: 9352
 FS_HLM: 40.431
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe appears to have been removed from levee section. Need to verify pipe abandonment.
 FIELD_STRUCT_DESC: 12-inch steel pipe through levee 5.0 feet below crown. Switch house on waterward shoulder, pump and gate valve on waterward bank. Concrete discharge standpipe on landward side. Permit was for a 14-inch (Permit No. 635, 1935). Included in the 1960 O&M manual and ABO No. 9351.
 FS Date: 03/21/2013

Photo 1 of 3 : UCIP_FA_2015_0299.jpg



Concrete standpipe at LS toe.

LM Start	39.93	Rating **	M	Issue No.	1585 (cont)
LM End	39.93	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0460.jpg



12-inch pipe debris on WS berm.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	39.93	Rating **	M	Issue No.	1585 (cont)
LM End	39.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10528 DS_ID:20282 EP_NO: 9352 FS_HLM: 40.431 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0461.jpg



Pipe visible at WS toe.

LM Start	39.93	Rating **	M	Issue No.	1586
LM End	39.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:11343 DS_ID:22966 EP_NO: 9352 FS_HLM: 40.431 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be removed. FIELD_STRUCT_DESC: 1.5-inch galvanized iron electrical conduit through the levee at unknown depth. Visible on WS slope (Permit No. 635, 1935). FS Date: 03/21/2013					

Photo 1 of 2 : UCIP_FA_2015_0221.jpg



1.5-inch electrical conduit on WS slope.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	39.93	Rating **	M	Issue No.	1586 (cont)
LM End	39.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:11343 DS_ID:22966 EP_NO: 9352 FS_HLM: 40.431 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be removed. FIELD_STRUCT_DESC: 1.5-inch galvanized iron electrical conduit through the levee at unknown depth. Visible on WS slope (Permit No. 635, 1935). FS Date: 03/21/2013					

Photo 2 of 2 : UCIP_FA_2015_0222.jpg



Electrical conduit approximately perpendicular to concrete riser on LS toe.

LM Start	40.44	Rating **	M	Issue No.	1587
LM End	40.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143838 °	39.143838 °
				-121.919338 °	-121.919338 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10527 DS_ID:20285 EP_NO: 12799 FS_HLM: 40.94 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment FIELD_STRUCT_DESC: 18-inch steel pipe through levee 6.5 feet below crown. 30-inch CMP standpipe on LS toe. Pump on the waterward toe. Vent in 12-inch CMP riser on the WS shoulder. (Permit No. 12799, 1979). FS Date: 03/21/2013					

Photo 1 of 3 : UCIP_FA_2015_0411.jpg



Slide gate in CMP riser on LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	40.44	Rating **	M	Issue No.	1587 (cont)
LM End	40.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143838 °	39.143838 °
				-121.919338 °	-121.919338 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:10527
 DS_ID:20285
 EP_NO: 12799
 FS_HLM: 40.94
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment
 FIELD_STRUCT_DESC: 18-inch steel pipe through levee 6.5 feet below crown. 30-inch CMP standpipe on LS toe. Pump on the waterward toe. Vent in 12-inch CMP riser on the WS shoulder.
 (Permit No. 12799, 1979).
 FS Date: 03/21/2013

LM Start	40.44	Rating **	M	Issue No.	1587 (cont)
LM End	40.44	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0412.jpg



30-inch CMP riser with slide gate at LS toe.

Photo 3 of 3 : UCIP_FA_2015_0442.jpg



Vent in 12-inch CMP riser on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	40.89	Rating **	M	Issue No.	1588 (cont)
LM End	40.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.150054 °	39.150054 °
				-121.918717 °	-121.918717 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10533 DS_ID:20287 EP_NO: 9351 FS_HLM: 41.397 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Should be abandoned properly. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee 17.5 feet below crown. Slide gate on the waterward end. Discharges into concrete box at the landward toe (ABO No. 9351, 1960). Small pump discharges into sump area in front of slide gate at WS toe. FS Date: 03/21/2013					

Photo 2 of 3 : UCIP_FA_2015_0301.jpg



Slide gate at WS toe.

LM Start	40.89	Rating **	M	Issue No.	1588 (cont)
LM End	40.89	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_0302.jpg



Demolished concrete distribution box at LS toe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	41.86	Rating **	M	Issue No.	1589
LM End	41.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158648 °	39.158648 °
				-121.932429 °	-121.932429 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10536 DS_ID:20289 EP_NO: 9341 FS_HLM: 42.373 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_0303.jpg



Slide gate in CMP riser on WS toe.

LM Start	41.86	Rating **	M	Issue No.	1589 (cont)
LM End	41.86	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0304.jpg



View from LS toe of CMP pipe.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	41.86	Rating **	M	Issue No.	1589 (cont)
LM End	41.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158648 °	39.158648 °
				-121.932429 °	-121.932429 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10536 DS_ID:20289 EP_NO: 9341 FS_HLM: 42.373 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0305.jpg



30-inch CMP at outlet on LS toe.

LM Start	42.24	Rating **	M	Issue No.	103
LM End	43.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.163132 °	39.175351 °
				-121.936185 °	-121.941780 °
DWR ID	DWR_NA0016_01_s_2015_103				
Action/Comments					
Ditch					

No Photos

LM Start	42.73	Rating **	M	Issue No.	146
LM End	42.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.169949 °	39.169949 °
				-121.938664 °	-121.938664 °
DWR ID	DWR_NA0016_01_f_2015_146				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	42.90	Rating **	M	Issue No.	4
LM End	43.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.172501 °	39.174949 °
				-121.939053 °	-121.940737 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013 - Minor new erosion at the toe. New tree popout. Downstream limit extended. 2015: No observed changes. [2015 Site ID: SAC_136-6_R]					

Photo 1 of 1 : USACE2013A_SAC_136-6_R_5.jpg



USACE 2013 Photo #1

LM Start	43.24	Rating **	M	Issue No.	46
LM End	43.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176429 °	39.176429 °
				-121.942889 °	-121.942889 °
DWR ID	DWR_NA0016_01_s_2012_46				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2015_NA0016_435_46_20150914_00030.jpg



A solid fence along the toe of the levee. Photo taken spring 2012.

LM Start	43.27	Rating **	C	Issue No.	104
LM End	43.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.176814 °	39.176814 °
				-121.943403 °	-121.943403 °
DWR ID	DWR_NA0016_01_s_2015_104				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	43.68	Rating **	M	Issue No.	147
LM End	43.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.181788 °	39.181788 °	
			-121.946607 °	-121.946607 °	
DWR ID	DWR_NA0016_01_f_2015_147				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	44.31	Rating **	C	Issue No.	107
LM End	44.31	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.189021 °	39.189021 °	
			-121.939942 °	-121.939942 °	
DWR ID	DWR_NA0016_01_s_2015_107				
Action/Comments					
Building					

No Photos

LM Start	45.39	Rating **	A/W	Issue No.	108
LM End	45.39	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.192653 °	39.192653 °	
			-121.952768 °	-121.952768 °	
DWR ID	DWR_NA0016_01_s_2015_108				
Action/Comments					
Environmental Requirements.					

No Photos

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	46.01	Rating **	A/W	Issue No.	109
LM End	46.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187479 °	39.187479 °
				-121.962081 °	-121.962081 °
DWR ID	DWR_NA0016_01_s_2015_109				
Action/Comments					
Pipe Inspector Comments: The siphon filter is fixed. There is no external leak on the levee from the pipe, however there are vegetation growing in line with the pipe.					

Photo 1 of 3 : FA_2015_NA0016_435_109_20150914_00051.jpg



View of the siphon breaker on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

LM Start	46.01	Rating **	A/W	Issue No.	109 (cont)
LM End	46.01	Issue Type +	En	Location *	WS

Photo 2 of 3 : FA_2015_NA0016_435_109_20151001_00131.jpg



Perspective view of the vegetation where the pipe runs through the levee on the waterward side of the levee looking upstream. Fall 2015.

LM Start	46.01	Rating **	A/W	Issue No.	109 (cont)
LM End	46.01	Issue Type +	En	Location *	WS

Photo 3 of 3 : FA_2015_NA0016_435_109_20151001_00133.jpg



Vegetation is aligned where the pipe is on the waterward side of the levee. Fall 2015.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	47.01	Rating **	M	Issue No.	54
LM End	47.01	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.188577 °	39.188577 °	
			-121.979388 °	-121.979388 °	
DWR ID	DWR_NA0016_01_s_2012_54				
Action/Comments					
Landscaping Inspector Comments: Cactus on slope and toe of levee, landscape continues along roadway with fence and stairs.					

Photo 1 of 1 : FA_2015_NA0016_435_54_20150914_00031.jpg



The front yard along the road and on the levee slope. Photo taken spring 2012.

LM Start	47.16	Rating **	M	Issue No.	1590
LM End	47.16	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.189783 °	39.189783 °	
			-121.981548 °	-121.981548 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10553 DS_ID:20298 EP_NO: 9347 FS_HLM: 47.71 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify type of abandonment. FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe through levee 25.5 feet below crown. 14-inch pipe sleeved through this pipe. Annular space grouted. Pump in pump house on the landward side. Gate valve in pump house (ABO No. 9347, 1960). Originally included in the 1960 O&M manual. FS Date: 03/22/2013					

Photo 1 of 1 : UCIP_FA_2015_0231.jpg



Possible location for pipe crossing.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	47.19	Rating **	A/W	Issue No.	90
LM End	47.62	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.189930 °	39.193491 °	
			-121.982143 °	-121.988184 °	
DWR ID	DWR_NA0016_01_s_2014_90				
Action/Comments					
Environmental Requirements.					

Photo 1 of 1 : FA_2015_NA0016_435_90_20150914_00040.jpg



A revegetation site along the waterside berm. Spring 2014

LM Start	47.62	Rating **	M	Issue No.	3
LM End	47.77	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		39.193769 °	39.195595 °	
			-121.987901 °	-121.988621 °	
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013 - Site extended downstream to revetment. 2015: No observed changes. [2015 Site ID: SAC_141-5_R]					

Photo 1 of 1 : USACE2013A_SAC_141-5_R_6.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	47.71	Rating **	M	Issue No.	1591
LM End	47.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.194772 °	39.194772 °
				-121.988886 °	-121.988886 °
DWR ID					

Action/Comments
 Inspector Comments: FS_ID:10563
 DS_ID:20309
 EP_NO: 9347
 FS_HLM: 48.269
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Need to determine type of abandonment.
 FIELD_STRUCT_DESC: 2 of 2: *Removed*16-inch steel pipe through levee 17.3 feet below crown. Gate valve on the waterward end. Pump on the waterward bank. Switch box on the waterward shoulder. (ABO No. 9347,1960). Originally included in the 1960 O&M manual.
 FS Date: 03/22/2013

LM Start	47.71	Rating **	M	Issue No.	1591 (cont)
LM End	47.71	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2015_0232.jpg



JP on WS shoulder for removed pump switch house.

Photo 2 of 2 : UCIP_FA_2015_0233.jpg



Concrete pumphouse debris on WS berm.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	48.38	Rating **	M	Issue No.	1592
LM End	48.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.203761 °	39.203761 °
				-121.985220 °	-121.985220 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10566 DS_ID:20300 EP_NO: 9343 FS_HLM: 48.939 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_0234.jpg



Pump on structure covered in brush on WS berm.

LM Start	48.38	Rating **	M	Issue No.	1592 (cont)
LM End	48.38	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0235.jpg



Pump covered in brush on WS berm.

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

Levee Inspection Report By Mile - Fall 2015

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	09/22/2015 09/23/2015	Jai Lor

LM Start	48.38	Rating **	M	Issue No.	1592 (cont)
LM End	48.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.203761 °	39.203761 °
				-121.985220 °	-121.985220 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:10566 DS_ID:20300 EP_NO: 9343 FS_HLM: 48.939 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0236.jpg



Siphon Breaker in 30-inch CMP riser on LS shoulder and butterfly valve at LS toe.

LM Start	49.46	Rating **	M	Issue No.	19
LM End	49.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.213608 °	39.213869 °
				-121.997543 °	-121.999641 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable. 2015: No observed changes. [2015 Site ID: SAC_143-5_R]					

Photo 1 of 1 : USACE2013A_SAC_143-5_R_8.jpg



USACE 2013 Photo #1

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