

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0900_01_s_2013_6				
Comment Code					
Inspector Comment					
This LMA has the updated O&M manuals for the district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0900_01_s_2013_12				
Comment Code					
Inspector Comment					
This LMA has an adequate amount of sandbags, sand and various flood fight supplies in their possession.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				o		o
					o		o
DWR ID	DWR_RD0900_01_s_2013_16						
Comment Code							
Inspector Comment							
The crews in this LMA have taken the flood fighting training course provided by DWR.							

No Photos

LM Start	2.00	Rating **	A/W	Issue No.	1
LM End	2.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.559202 °	38.555462 °
				-121.517707 °	-121.516297 °
DWR ID	DWR_RD0900_01_s_2017_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
USACE has completed constructing a setback levee in this area and they will be turning over this portion of the levee to the LMA in future.					

Photo 1 of 1 : FA_2017_RD0900_230_1_20170921_00001.jpg



View of the new setback levee looking downstream during fall 2014 inspection.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	2.26	Rating **	A/W	Issue No.	17
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.555304 °	38.536946 °
				-121.516127 °	-121.519774 °
DWR ID	DWR_RD0900_01_s_2012_17				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : FA_2017_RD0900_230_17_20170921_00009.jpg



View of the DWR environmental mitigation site.

LM Start	2.35	Rating **	M	Issue No.	10
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.554277 °	38.552504 °
				-121.515263 °	-121.514752 °
DWR ID	DWR_RD0900_01_s_2016_10				
Comment Code					
Inspector Comment					
2007 - Have good berm width with minor toe erosion. Close to the levee toe protection, but levee slope is steep. 2011 - New large erosion pocket. 2012 - Minor new erosion at the toe. 2015: No observed changes. [2015 Site ID: SAC_56-7_R]					

Photo 1 of 1 : FA_2017_RD0900_230_10_20170921_00006.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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Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	2.55	Rating **	M	Issue No.	9
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.551319 °	38.550090 °
				-121.514423 °	-121.513983 °
DWR ID	DWR_RD0900_01_s_2016_9				
Comment Code					
Inspector Comment					
1997 - Low berm is contributing to erosion. Old timber pile dikes above water parallel to bank. The upstream mitigation low berm causes a flow separation at the site. 1999 - Some new localized erosion with less than one foot of bank retreat. 2000 - Some new erosion at the upstream end. Fat toe deposits at toe. 2003 - Some new erosion upstream, but have a wide berm. 2011 - Minor new erosion at toe. 2015: No observed changes. [2015 Site ID: SAC 56-5 R]					

Photo 1 of 1 : FA_2017_RD0900_230_9_20170921_00005.jpg



USACE 2013 Photo #1

LM Start	2.84	Rating **	A	Issue No.	58
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.547270 °	38.547270 °
				-121.513143 °	-121.513143 °
DWR ID	DWR_RD0900_01_f_2017_58				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_RD0900_230_58_20170925_00029.jpg

View of the acceptable vegetation on the landside slope of the levee.
Fall 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	3.27	Rating **	M	Issue No.	2
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.541246 °	38.538689 °
				-121.513561 °	-121.515916 °
DWR ID	DWR_RD0900_01_s_2016_2				
Comment Code					
Inspector Comment					
2008 - Erosion into levee toe. Over steepened levee slope, worst at the upstream end. 2009 - Near vertical banks from rotational slumping, hidden by vegetation. 2010 - Boat sinking more, may be causing eddy scour around it. Difficult to see the vertical slumps due to dense vegetation. 2011 - Minor new erosion at the toe. The paddleboat that was sitting at this site for years has been removed. 2012 - Site extended upstream due to additional erosion. 2015: No observed changes. [2015 Site ID: SAC_55-7_R]					

Photo 1 of 1 : FA_2017_RD0900_230_2_20170921_00002.jpg



USACE 2013 Photo #1

LM Start	3.32	Rating **	M	Issue No.	357
LM End	3.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.540803 °	38.540803 °
				-121.514255 °	-121.514255 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37668					
DS_ID:17769					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 22.0 feet below the crown. Pump house at the landward toe. Screw gate in landside of the levee. As-built drawing available/found. As-built drawing# 6-13-1100 page 3, January 1933 and USGS River Mile 55.65 &M Manual Sac 116, Revision Year 2011					
FS Date: 10/6/2009					

Photo 1 of 3 : UCIP_FA_2017_37668_68391.jpg



View of concrete structure located on landward side.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	3.32	Rating **	M	Issue No.	357 (cont)
LM End	3.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.540803 °	38.540803 °
				-121.514255 °	-121.514255 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:37668
DS_ID:17769
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 22.0 feet below the crown. Pump house at the landward toe. Screw gate in landside of the levee. As-built drawing available/found. As-built drawing# 6-13-1100 page 3, January 1933 and USGS River Mile 55.65 &M Manual Sac 116, Revision Year 2011
FS Date: 10/6/2009

LM Start	3.32	Rating **	M	Issue No.	357 (cont)
LM End	3.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37668_68390.jpg



Pump house located on landward side.

Photo 3 of 3 : UCIP_FA_2017_37668_68389.jpg



Pipe visible on waterward side visible through dense vegetation.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	3.32	Rating **	A	Issue No.	61
LM End	3.32	Issue Type +	Ma	Location *	WS
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			38.540738 °	38.540738 °
				-121.514331 °	-121.514331 °
DWR ID	DWR_RD0900_01_s_2017_61				
Comment Code					
P1 : Item inspected visually only. Item was not operated during the inspection.					
Inspector Comment					
AECOM, the contractor who is building the setback levee will remove the pumping plant as part of the setback levee project. As of spring 2017, the pipes are under LMA responsibility section.					

No Photos

LM Start	3.41	Rating **	M	Issue No.	4
LM End	3.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.539770 °	38.539770 °
				-121.515276 °	-121.515276 °
DWR ID	DWR_RD0900_01_s_2014_4				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : FA_2017_RD0900_230_4_20170921_00003.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream during spring 2016 inspection.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	3.41	Rating **	M	Issue No.	4 (cont)	
LM End	3.41	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.539770 °		38.539770 °
				-121.515276 °		-121.515276 °
DWR ID	DWR_RD0900_01_s_2014_4					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : FA_2017_RD0900_230_4_20170921_00004.jpg



A slope instability was found on the waterside slope of the levee looking downstream.

LM Start	4.04	Rating **	M	Issue No.	327
LM End	4.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.534759 °	38.534759 °
				-121.524902 °	-121.524902 °
DWR ID	DWR_RD0900_01_s_2012_327				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2017_RD0900_230_327_20170921_00016.jpg



Concrete debris were found on the landside of the levee looking upstream.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	4.10	Rating **	M	Issue No.	54
LM End	4.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.534364 °	38.534364 °
				-121.526051 °	-121.526051 °
DWR ID	DWR_RD0900_01_s_2012_54				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete debris with metal posing a safety risk.					

Photo 1 of 1 : FA_2017_RD0900_230_54_20170921_00012.jpg



View of concrete debris with metal looking upstream.

LM Start	4.95	Rating **	M	Issue No.	330
LM End	4.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.524898 °	38.524898 °
				-121.529674 °	-121.529674 °
DWR ID	DWR_RD0900_01_s_2012_330				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2017_RD0900_230_330_20170921_00017.jpg



Concrete anchor was found on the waterside slope of the levee looking upstream.

* 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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Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	5.57	Rating **	C	Issue No.	64
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.518654 °	38.518654 °
				-121.528685 °	-121.528685 °
DWR ID	DWR_RD0900_01_s_2016_64				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.95	Rating **	C	Issue No.	25
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.517952 °	38.517948 °
				-121.535672 °	-121.535857 °
DWR ID	DWR_RD0900_01_s_2012_25				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

LM Start	6.87	Rating **	C	Issue No.	62
LM End	6.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.514974 °	38.514974 °
				-121.552041 °	-121.552041 °
DWR ID	DWR_RD0900_01_f_2016_62				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	7.10	Rating **	M	Issue No.	343
LM End	7.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.512642 °	38.512642 °
				-121.554881 °	-121.554881 °
DWR ID	DWR_RD0900_01_s_2012_343				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete debris from old railroad track.					

Photo 1 of 1 : FA_2017_RD0900_230_343_20170921_00019.jpg



Concrete debris from old rail road track was found on the landside of the levee looking upstream.

LM Start	7.47	Rating **	M	Issue No.	59
LM End	7.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.507648 °	38.507648 °
				-121.557571 °	-121.557571 °
DWR ID	DWR_RD0900_01_f_2012_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arrundo growth on the waterside slope of the levee.					

Photo 1 of 1 : FA_2017_RD0900_230_59_20170921_00013.jpg



View of the arundo on the waterside of the levee during spring 2017 inspection.

* 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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Unit No. 01 Sacramento River	Right	7.70	09/21/2017 09/21/2017	Pavel Kazi

LM Start	7.78	Rating **	M	Issue No.	15
LM End	7.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.503490 °	38.503490 °
				-121.559770 °	-121.559770 °
DWR ID	DWR_RD0900_01_f_2013_15				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arrundo on the waterside					

Photo 1 of 2 : FA_2017_RD0900_230_15_20170921_00007.jpg



Updated picture of the arrundo on the waterside of the levee during spring 2016 inspection.

LM Start	7.78	Rating **	M	Issue No.	15 (cont)
LM End	7.78	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_RD0900_230_15_20170921_00008.jpg



View of arrundo on the waterside of the levee looking downstream.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/21/2017 09/21/2017	Pavel Kazi

LM Start	0.07	Rating **	A	Issue No.	46
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.581165 °	38.581165 °
				-121.567900 °	-121.567900 °
DWR ID	DWR_RD0900_02_f_2017_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_RD0900_231_46_20170925_00051.jpg



View of the landside of the levee looking downstream. Fall 2017

LM Start	3.26	Rating **	M	Issue No.	15
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.540943 °	38.540943 °
				-121.582280 °	-121.582280 °
DWR ID	DWR_RD0900_02_s_2012_15				
Comment Code					
PI : Pipe					
Inspector Comment					
Recently removed waterward pump. Some pipe, equipment and debris remain.					

Photo 1 of 1 : FA_2017_RD0900_231_15_20170921_00002.jpg



Abandon pipes and debris was found on the landside of the levee looking upstream.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/21/2017 09/21/2017	Pavel Kazi

LM Start	3.26	Rating **	A/W	Issue No.	40 (cont)
LM End	5.47	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.540928 °	38.508969 °	
			-121.581936 °	-121.581681 °	

DWR ID DWR_RD0900_02_f_2017_40

Comment Code

Inspector Comment

Levee Evaluation Comments

Description:

Site ID No:198

Site Designation:RD 900-01

Repair Type: Erosion

Rating:Serious

Field Date:6/6/2017

Notes: LS, thorny vegetation is present at levee toe/canal. Light grass present along LS slope. Primary use of canal is for drainage, ranges in width 15-25; on average 20ft. RD rep. mentioned permitting has begun to replace drainage canal with 32in pipe for storm drainage to community. 8,600 LF of the LS levee has sloughing of the LS toe access road into drainage canal. There is no imminent threat of losing levee in next storm event. DWR inspector: LMA repaired two landside erosion sites (levee mile 5.26 and 4.63) during fall 2017 inspection.

LM Start	3.26	Rating **	A/W	Issue No.	40 (cont)
LM End	5.47	Issue Type +	Ma	Location *	

Photo 5 of 7 : FA_2017_RD0900_231_40_20170925_00055.jpg



View of the repaired slope instability site on the landside slope of the levee looking downstream on levee mile 5.26 (38.511915, -121.582167).
Fall 2017

Photo 6 of 7 : FA_2017_RD0900_231_40_20170925_00058.jpg



View of a repaired slope instability site on the landside of the levee looking upstream on levee mile 4.63 (38.52111, -121.582148). Fall 2017

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/21/2017 09/21/2017	Pavel Kazi

LM Start	3.26	Rating **	A/W	Issue No.	40 (cont)	
LM End	5.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.540928 °		38.508969 °
				-121.581936 °		-121.581681 °
DWR ID	DWR_RD0900_02_f_2017_40					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:198						
Site Designation:RD 900-01						
Repair Type: Erosion						
Rating:Serious						
Field Date:6/6/2017						
Notes: LS, thorny vegetation is present at levee toe/canal. Light grass present along LS slope. Primary use of canal is for drainage, ranges in width 15-25; on average 20ft. RD rep. mentioned permitting has begun to replace drainage canal with 32in pipe for storm drainage to community. 8,600 LF of the LS levee has sloughing of the LS toe access road into drainage canal. There is no imminent threat of losing levee in next storm event. DWR inspector: LMA repaired two landside erosion sites (levee mile 5.26 and 4.63) during fall 2017 inspection.						

Photo 7 of 7 : FA_2017_RD0900_231_40_20170925_00059.jpg



View of a repaired slope instability site on the landside of the levee looking downstream on levee mile 4.63 (38.52111, -121.582148). Fall 2017

LM Start	4.63	Rating **	A	Issue No.	43	
LM End	4.63	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.521110 °		38.521110 °
				-121.582148 °		-121.582148 °
DWR ID	DWR_RD0900_02_s_2017_43					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
LMA fixed the erosion site.						

Photo 1 of 3 : FA_2017_RD0900_231_43_20170921_00007.jpg



View of a slope instability covered by raincoat on the landside slope of the levee looking upstream. Spring 2017

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/21/2017 09/21/2017	Pavel Kazi

LM Start	4.63	Rating **	A	Issue No.	43 (cont)	
LM End	4.63	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.521110 °		38.521110 °
				-121.582148 °		-121.582148 °
DWR ID	DWR_RD0900_02_s_2017_43					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
LMA fixed the erosion site.						

Photo 2 of 3 : FA_2017_RD0900_231_43_20170925_00056.jpg



View of a repaired slope instability site on the landside of the levee looking upstream. Fall 2017

LM Start	4.63	Rating **	A	Issue No.	43 (cont)
LM End	4.63	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2017_RD0900_231_43_20170925_00057.jpg



View of a repaired slope instability site on the landside of the levee looking downstream. Fall 2017

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/21/2017 09/21/2017	Pavel Kazi

LM Start	5.04	Rating **	M	Issue No.	45
LM End	5.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515091°	38.515091°
				-121.582178°	-121.582178°
DWR ID	DWR_RD0900_02_f_2016_45				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2017_RD0900_231_45_20170921_00008.jpg



View of debris on the landside shoulder of the levee looking upstream.

LM Start	5.26	Rating **	A	Issue No.	41
LM End	5.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.511915 °	38.511915 °
				-121.582167 °	-121.582167 °
DWR ID	DWR_RD0900_02_s_2017_41				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
LMA fixed the damaged slope instability on the landside of the levee.					

Photo 1 of 4 : FA_2017_RD0900_231_41_20170921_00003.jpg



View of a slope instability covered by a raincoat on the landside of the levee looking upstream. Spring 2017

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/21/2017 09/21/2017	Pavel Kazi

LM Start	5.26	Rating **	A	Issue No.	41 (cont)	
LM End	5.26	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.511915 °		38.511915 °
				-121.582167 °		-121.582167 °
DWR ID	DWR_RD0900_02_s_2017_41					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
LMA fixed the damaged slope instability on the landside of the levee.						

Photo 2 of 4 : FA_2017_RD0900_231_41_20170921_00004.jpg



An alternate view of the slope instability on the landside of the levee looking downstream. Spring 2017

LM Start	5.26	Rating **	A	Issue No.	41 (cont)
LM End	5.26	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA_2017_RD0900_231_41_20170925_00052.jpg



View of the repaired slope instability site on the landside slope of the levee looking upstream. Fall 2017

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Reclamation District No. 0900 West Sacramento

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	5.26	09/21/2017 09/21/2017	Pavel Kazi

LM Start	5.26	Rating **	A	Issue No.	41 (cont)	
LM End	5.26	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.511915 °		38.511915 °
				-121.582167 °		-121.582167 °
DWR ID	DWR_RD0900_02_s_2017_41					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
LMA fixed the damaged slope instability on the landside of the levee.						

Photo 4 of 4 : FA_2017_RD0900_231_41_20170925_00053.jpg



View of the repaired slope instability site on the landside slope of the levee looking downstream. Fall 2017

* 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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