Flood Control Project Maintenance
Levee Inspections

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2089	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2089 Stark	**U**	**2.86**						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.45	0.46	2.29	80.13%	0.05			
Encroachments	0.04		0.04	1.40%	0.41	0.09		
Animal Control	0.12	0.17	0.80	27.99%				
Slope Stability	0.15		0.15	5.25%				
Erosion / Bank Caving	0.01		0.01	0.35%				
Crown Surface / Depressions / Rutting	0.06		0.06	2.10%				
Flood Preparedness & Training	0.03		0.03	1.05%				
Supplemental								
DWR Erosion Survey	0.03	0.01	0.07	2.45%				
DWR UCIP Field Study					0.04	0.02		
LMA Totals:	0.89	0.64	3.45	120.72%	0.50	0.11	0.00	0.00

Unit No. 01 Old River RB	Overall Unit Rating	Total Unit Miles						
RD2089	**U**	**1.51**						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.43	0.25	1.43	94.56%				
Encroachments	0.02		0.02	1.32%	0.38			
Animal Control	0.03	0.01	0.07	4.63%				
Slope Stability	0.14		0.14	9.26%				
Crown Surface / Depressions / Rutting	0.04		0.04	2.65%				
Supplemental								
DWR Erosion Survey	0.02	0.01	0.06	3.97%				
DWR UCIP Field Study					0.03	0.02		
Unit Totals:	0.68	0.27	1.76	116.38%	0.41	0.02	0.00	0.00

Unit No. 02 Salmon Slough RB	Overall Unit Rating	Total Unit Miles						
RD2089	**U**	**1.35**						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.02	0.21	0.86	63.91%	0.05			
Encroachments	0.02		0.02	1.49%	0.03	0.09		
Animal Control	0.09	0.16	0.73	54.25%				
Slope Stability	0.01		0.01	0.74%				
Erosion / Bank Caving	0.01		0.01	0.74%				
Crown Surface / Depressions / Rutting	0.02		0.02	1.49%				
Supplemental								
DWR Erosion Survey	0.01		0.01	0.74%				
DWR UCIP Field Study					0.01			
Unit Totals:	0.18	0.37	1.66	123.37%	0.09	0.09	0.00	0.00

Flood Control Project Maintenance
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LMA District Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2089 Stark

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

** 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 indiction of risk.

Comments

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles
Unit No. 01 Old River	Right	1.51

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			**U**	
Date of Inspection	3/15/2016 - 3/15/2016		10/13/2016 - 10/13/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
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 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	**4**
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2089_01_s _ 2013_4				

Comment Code

Inspector Comment

The O&M Manual is available at the LMA's office.

No Photos

LM Start		Rating **	A	Issue No.	**15**
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2089_01_s _ 2013_15				

Comment Code

Inspector Comment

The LMA has flood fighting supplies on-site.

No Photos

LM Start		Rating **	M	Issue No.	**34**
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2089_01_s _ 2013_34				

Comment Code

Inspector Comment

The LMA has not attended a flood fight training class in the past few years. They do have an emergency plan.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.00**	Rating **	M	Issue No.	**9**
LM End	**0.38**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811681 °	37.809755 °
				-121.384930 °	-121.391520 °
DWR ID	DWR_RD2089_01_s _ 2012_9				

Comment Code

DT : Ditch

Inspector Comment

05/24/2011 Photo added of Ag ditch.

Photo 1 of 1 : FA_2016_RD2089_316_9_20160914_00010.jpg

05/24/2011 Ditch flows parallel with the utility line shown in the photo.

LM Start	**0.04**	Rating **	M	Issue No.	**1**
LM End	**0.04**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811474 °	37.811474 °
				-121.385573 °	-121.385573 °
DWR ID	DWR_RD2089_01_s _ 2012_1				

Comment Code

ST : Stairway

Inspector Comment

Steps have been cut into the levee slope, this could become an erosion point, please fill and compact.

Photo 1 of 1 : FA_2016_RD2089_316_1_20160914_00001.jpg

View of the stairs eroding into the landside levee slope.

LM Start	**0.04**	Rating **	M	Issue No.	**30**
LM End	**0.24**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.811474 °	37.810451 °
				-121.385573 °	-121.389109 °
DWR ID	DWR_RD2089_01_f _ 2016_30				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_316_30_20161017_00045.jpg

View of the vegetation on the landside levee slope.

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

Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.24**	Rating **	A/W	Issue No.	**940**
LM End	**0.24**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810412 °	37.810412 °
				-121.389115 °	-121.389115 °
DWR ID	DWR_RD2089_01_s _ 2012_940				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Arundo has been trimmed back from the crown but still remains as an obstruction to the slope and obstructs visibility, needs to be removed.

Photo 1 of 1 : FA_2016_RD2089_316_940_20160914_00027.jpg

The LMA is actively trying to remove the vegetation on the landside levee slope and toe.

LM Start	**0.27**	Rating **	U	Issue No.	**12**
LM End	**0.39**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810319 °	37.809740 °
				-121.389510 °	-121.391645 °
DWR ID	DWR_RD2089_01_s _ 2012_12				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Access and visibility completely blocked. 11/10/2011 issue has not changed.

Photo 1 of 1 : FA_2016_RD2089_316_12_20160914_00011.jpg

Thick brush and wild rose completely block access and visibility of landside slope and toe.

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

Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.33**	Rating **	U	Issue No.	**19**
LM End	**0.33**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810002 °	37.810002 °
				-121.390674 °	-121.390674 °
DWR ID	DWR_RD2089_01_s _ 2012_19				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Arundo is thick and blocks visibility and access.

Photo 1 of 2 : FA_2016_RD2089_316_19_20161017_00051.jpg

View of the arundo back on the landside levee slope. Fall 2016

LM Start	**0.33**	Rating **	U	Issue No.	**19 (cont)**
LM End	**0.33**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_RD2089_316_19_20160914_00015.jpg

Arundo was trimmed back from the road and needs to be maintained so that it does not obstruct visibility and access to the landside toe.

LM Start	**0.41**	Rating **	M	Issue No.	**28**
LM End	**0.46**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809593 °	37.809507 °
				-121.391963 °	-121.392907 °
DWR ID	DWR_RD2089_01_s _ 2012_28				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Vegetation is too thick to allow access and visibility. Some thick patches of shrubs remain and continue to block visibility and access.

Photo 1 of 1 : FA_2016_RD2089_316_28_20160914_00018.jpg

05/24/2011 Photo shows thick dead vegetation and continuation of trees in area that are preventing access and visibility of landside slope and toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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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Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.46**	Rating **	M	Issue No.	**960**
LM End	**0.46**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.809501 °	37.809501 °
				-121.392798 °	-121.392798 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:21635
DS_ID:23042
EP_NO: 5641
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - damaged siphon breaker.- most of the pipe on landside exposed on levee slope.
FIELD_STRUCT_DESC: 20-inch steel pipe and electric conduit through the levee, 5.8 feet below the crown, pump on pile structure in the stream. Siphon breaker on the landward slope. (App. No. 5641- Ted Stark)
FS Date: 9/12/2013

Photo 1 of 2 : UCIP_FA_2016_21635_36742.jpg

WS view: walkway to pump platform and pump on steel piling structure in the channel.

LM Start	**0.46**	Rating **	M	Issue No.	**960 (cont)**
LM End	**0.46**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_21635_36741.jpg

WS view: steel walkway, electric control box, and pump on steel piling structure in the channel.

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

Flood Control Project Maintenance
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Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

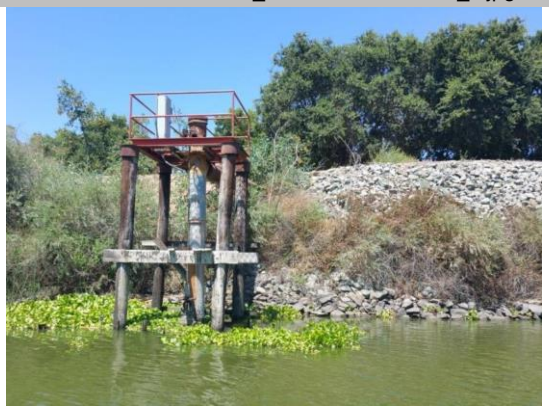
LM Start	**0.46**	Rating **	M	Issue No.	**5**
LM End	**0.46**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809394 °	37.809394 °
				-121.392791 °	-121.392791 °
DWR ID					

Comment Code

Inspector Comment

07/25/2016: No significant change observed.
06/25/2015: No significant change observed.
07/02/2014: No significant change observed.
08/13/2013: No significant change observed.
08/07/2012: The site has been visited by boat survey. No significant change observed
08/23/2011: The site shows loose material around the pipe crossing. The operation of the pipe might have caused an impact on the levee.
[2016 Site ID:RD2089U01RM29.8]

Photo 1 of 2 : SJR2016_RD2089U01RM29.8_1.jpg



Front view of the site. Note the irrigation pipe on the site.

LM Start	**0.46**	Rating **	M	Issue No.	**5 (cont)**
LM End	**0.46**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2016_RD2089U01RM29.8_2.jpg

Close view of the site.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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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Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.47**	Rating **	M	Issue No.	**27**
LM End	**0.55**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809592 °	37.810136 °
				-121.392993 °	-121.394259 °
DWR ID	DWR_RD2089_01_f _ 2016_27				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_316_27_20161017_00049.jpg

View of the vegetation on the landside levee slope.

LM Start	**0.50**	Rating **	U	Issue No.	**29**
LM End	**0.55**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809814 °	37.810132 °
				-121.393481 °	-121.394234 °
DWR ID	DWR_RD2089_01_f _ 2016_29				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Tumbleweeds are on the levee slope.

Photo 1 of 1 : FA_2016_RD2089_316_29_20161017_00050.jpg

View of the vegetation on the waterside levee slope.

LM Start	**0.54**	Rating **	M	Issue No.	**14**
LM End	**0.54**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.810087 °	37.810087 °
				-121.394200 °	-121.394200 °
DWR ID	DWR_RD2089_01_s _ 2012_14				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

11/10/2011 Minor depressions will cause ponding.

Photo 1 of 1 : FA_2016_RD2089_316_14_20160914_00012.jpg

11/10/2011 Depressions in crown.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

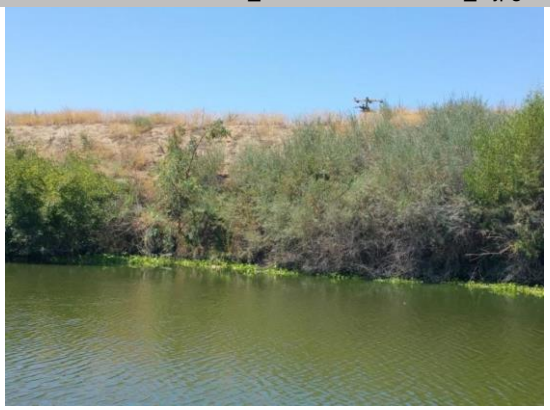
LM Start	**0.67**	Rating **	U	Issue No.	**3**
LM End	**0.67**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809780 °	37.809780 °
				-121.396230 °	-121.396230 °
DWR ID					

Comment Code

Inspector Comment

07/25/2016: No significant change observed.
06/25/2015: No significant change observed.
07/02/2014: No significant change observed.
08/13/2013: No significant change observed.
08/07/2012: The site has been visited by boat survey. No significant change observed
08/23/2011: The 5-foot vertical scarp shows no significant change from the last year inspection. No new erosion activities observed. Dense white willow trees on site.
09/07/2010: It was difficult to view the erosion due to the thick Willow thickets and other vegetation at the water line. At the time of the inspection, there were no signs of repair on site. As noted during the last survey, there is a 5-foot vertical scarp along the lower slope that may be subjected to high flow velocities.
08/05/2010: Recommended for repair, per CLRO; "Erosion of this site may be subjective to rapid rates of erosion."
09/28/2009: No major change observed; 5-foot vertical scarp is immediately downstream of where berm has tapered; site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM29.6, LM0.60; previously rated "U".
11/05/2008: No change observed; rodent holes on lower slope; wide levee crown. [2016 Site ID:RD2089U01RM29.61]

Photo 1 of 1 : SJR2016_RD2089U01RM29.61_2.jpg



Front view of the site. Note the very dense white willow thickets on site.

LM Start	**0.80**	Rating **	M	Issue No.	**22**
LM End	**0.80**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.808466 °	37.808466 °
				-121.397847 °	-121.397847 °
DWR ID	DWR_RD2089_01_f _ 2016_22				

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_316_22_20161017_00048.jpg

View of the footpath on the landside levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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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Levee Inspections

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Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

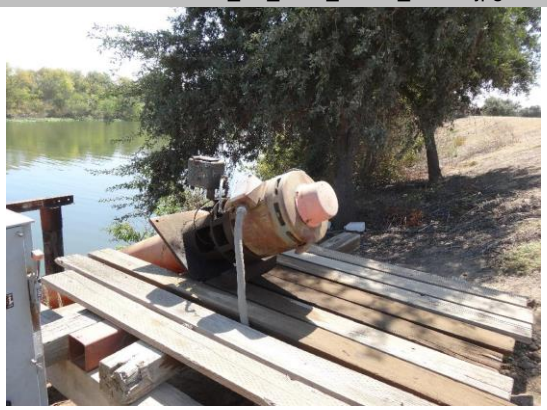
LM Start	**0.80**	Rating **	M	Issue No.	**959**
LM End	**0.80**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.808387 °	37.808387 °
				-121.397843 °	-121.397843 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:21587
DS_ID:23043
EP_NO: 3385
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - powerline on landside.- electric control box on waterside.- waterside slope erosion under pump platform.
FIELD_STRUCT_DESC: 16-inch pipe through the levee, 5.5 feet below the crown, slant pump in pump house on the waterward slope. Siphon breaker on the landward slope. (App. No. 3385-Elinore Lawrence). Originally included in O+M (1968)
FS Date: 9/12/2013

Photo 1 of 2 : UCIP_FA_2016_21587_36635.jpg



WS view: slant pump on wooden platform. Oil leaks from the pump.

LM Start	**0.80**	Rating **	M	Issue No.	**959 (cont)**
LM End	**0.80**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_21587_36634.jpg

WS view: soil erosion under pump platform. Needs mitigation measures to stop erosion.

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

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Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.81**	Rating **	M	Issue No.	**17**
LM End	**0.94**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.808319 °	37.806453 °
				-121.397881 °	-121.397755 °
DWR ID	DWR_RD2089_01_f _ 2014_17				

Comment Code

S1 : Repair slope instability.

Inspector Comment

Landside levee toe cut due to farming.

Photo 1 of 1 : FA_2016_RD2089_316_17_20160914_00014.jpg

View of the vertical cut along the landside levee toe.

LM Start	**0.82**	Rating **	U	Issue No.	**21**
LM End	**0.88**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.808043 °	37.807284 °
				-121.397853 °	-121.397718 °
DWR ID	DWR_RD2089_01_f _ 2016_21				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Willows starting to encroach onto levee crown.

Photo 1 of 1 : FA_2016_RD2089_316_21_20161017_00047.jpg

View of the vegetation on the waterside levee slope.

LM Start	**0.94**	Rating **	A/W	Issue No.	**33**
LM End	**0.94**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806397 °	37.806397 °
				-121.397758 °	-121.397758 °
DWR ID	DWR_RD2089_01_s _ 2012_33				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Arundo on waterside impedes visibility and access to waterside slope.

Photo 1 of 1 : FA_2016_RD2089_316_33_20160914_00019.jpg

Arundo was trimmed back and needs to be maintained to allow visibility and access.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.02**	Rating **	M	Issue No.	**956**
LM End	**1.02**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806026 °	37.806026 °
				-121.399206 °	-121.399206 °
DWR ID	DWR_RD2089_01_s _ 2012_956				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Elderberry and tobacco block visibility.

No Photos

LM Start	**1.07**	Rating **	U	Issue No.	**957**
LM End	**1.07**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805848 °	37.805848 °
				-121.400003 °	-121.400003 °
DWR ID	DWR_RD2089_01_s _ 2012_957				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Brush blocks access.

No Photos

LM Start	**1.12**	Rating **	M	Issue No.	**16**
LM End	**1.12**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.805699 °	37.805699 °
				-121.400952 °	-121.400952 °
DWR ID	DWR_RD2089_01_f _ 2014_16				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Some rodent holes have collapsed. Backfill the remaining voids in the levee slope.

Photo 1 of 1 : FA_2016_RD2089_316_16_20160914_00013.jpg

View of the rodent burrow on the landside levee slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.19**	Rating **	A/W	Issue No.	**25**
LM End	**1.19**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805663 °	37.805663 °
				-121.402151 °	-121.402151 °
DWR ID	DWR_RD2089_01_s _ 2016_25				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Arrundo was trimmed back but may creep up the waterside levee slope if not maintained.

Photo 1 of 1 : FA_2016_RD2089_316_25_20160914_00016.jpg

View of the Arundo on the waterside slope obstructing visibility. LMA is actively trying to remove the wild growth.

LM Start	**1.22**	Rating **	M	Issue No.	**43**
LM End	**1.22**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805735 °	37.805735 °
				-121.402614 °	-121.402614 °
DWR ID	DWR_RD2089_01_s _ 2012_43				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

11/10/2011 Depression needs to be filled.

Photo 1 of 1 : FA_2016_RD2089_316_43_20160914_00021.jpg

11/10/2011 Depression in roadway.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.23**	Rating **	M	Issue No.	**2**
LM End	**1.24**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.805580 °	37.805580 °
				-121.403010 °	-121.403010 °
DWR ID					

Comment Code

Inspector Comment

09/16/2016: The river was not navigable near the site due to the dense water grass, so the site was visited by land survey. No significant change observed.
06/25/2015: No significant change observed.
07/02/2014: No significant change observed.
08/13/2013: The erosion is around a tree at the levee toe. Dense vegetation is visible. [2016 Site ID:RD2089U01RM29.04]

Photo 1 of 2 : SJR2016_RD2089U01RM29.04_1.jpg

View of the erosion from levee slope.

LM Start	**1.23**	Rating **	M	Issue No.	**2 (cont)**
LM End	**1.24**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2016_RD2089U01RM29.04_4.jpg

Close view of the erosion.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.23**	Rating **	M	Issue No.	**44**
LM End	**1.23**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805801 °	37.805801 °
				-121.402913 °	-121.402913 °
DWR ID	DWR_RD2089_01_s _ 2012_44				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

11/10/2011 Depression in roadway needs to be filled.

Photo 1 of 1 : FA_2016_RD2089_316_44_20160914_00022.jpg

11/10/2011 Roadway depression.

LM Start	**1.25**	Rating **	M	Issue No.	**20**
LM End	**1.34**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805889 °	37.806148 °
				-121.403153 °	-121.404804 °
DWR ID	DWR_RD2089_01_f _ 2016_20				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_316_20_20161017_00046.jpg

View of the vegetation on the landside levee slope.

LM Start	**1.34**	Rating **	M	Issue No.	**45**
LM End	**1.34**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.806128 °	37.806128 °
				-121.404890 °	-121.404890 °
DWR ID	DWR_RD2089_01_s _ 2012_45				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

11/10/2011 Depression needs to be filled.

Photo 1 of 1 : FA_2016_RD2089_316_45_20160914_00023.jpg

11//10/2011 Roadway depression.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.40**	Rating **	M	Issue No.	**47**
LM End	**1.40**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.806268 °	37.806268 °
				-121.405874 °	-121.405874 °
DWR ID	DWR_RD2089_01_s _ 2012_47				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

11/10/2011 No rodents visible, but active burrows are present.

Photo 1 of 1 : FA_2016_RD2089_316_47_20160914_00025.jpg

11/10/2011 Active rodent burrow on landside slope.

LM Start	**1.40**	Rating **	M	Issue No.	**46**
LM End	**1.40**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.806266 °	37.806266 °
				-121.405876 °	-121.405876 °
DWR ID	DWR_RD2089_01_s _ 2012_46				

Comment Code

TR : Tree or limb

Inspector Comment

11/10/2011 Downed tree at levee toe prevents access to levee from landside.

Photo 1 of 1 : FA_2016_RD2089_316_46_20160914_00024.jpg

Decaying tree at the landside levee toe is obstructing visibility and access.

LM Start	**1.40**	Rating **	U	Issue No.	**26**
LM End	**1.40**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.806306 °	37.806306 °
				-121.405952 °	-121.405952 °
DWR ID	DWR_RD2089_01_f _ 2015_26				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent hole is at least 4 ft. deep and needs to be backfilled and compacted.

Photo 1 of 1 : FA_2016_RD2089_316_26_20160914_00017.jpg

View of the rodent hole on the levee crown.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.41**	Rating **	U	Issue No.	**962**
LM End	**1.41**	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806323 °	37.806323 °
				-121.406149 °	-121.406149 °
DWR ID					

Comment Code

Inspector Comment

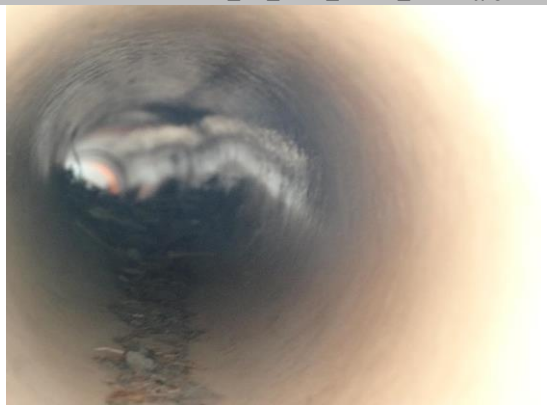
FS_ID:50737
DS_ID:24667
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Same as last inspection. (K. Fazel - UCIP)09/12/2013:- if abandoned, it needs proper abandonment. Pipe damaged and open on both ends. (P. Amatya - DWR)
FIELD_STRUCT_DESC: *ABANDONED* 6-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Pipe was installed due to pump failure but never removed. Field study discovered pipe.
FS Date: 11/15/2016

Photo 1 of 2 : UCIP_FA_2016_50737_36611.jpg

WS view: 6-inch pvc pipe on levee slope. Pipe end open and damaged.

LM Start	**1.41**	Rating **	U	Issue No.	**962 (cont)**
LM End	**1.41**	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_50737_36610.jpg



WS view: inside view of pvc pipe. Sediments found inside the pipe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.41**	Rating **	M	Issue No.	**958**
LM End	**1.41**	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806323 °	37.806323 °
				-121.406155 °	-121.406155 °
DWR ID					

Comment Code

Inspector Comment

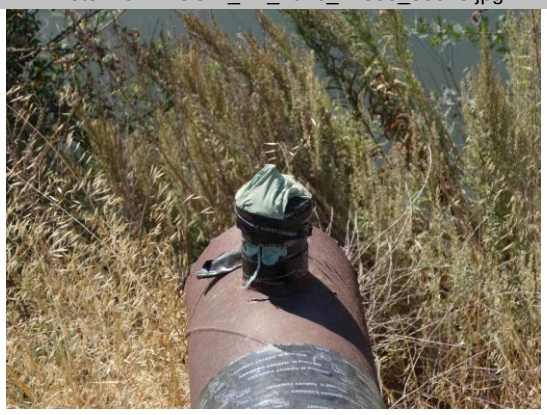
FS_ID:21585
DS_ID:23045
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - siphon breaker needs repair.
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 2.4 feet below the crown. Pump in drain ditch on the landward side. Siphon breaker on the waterward shoulder.
FS Date: 9/12/2013

Photo 1 of 2 : UCIP_FA_2016_21585_36624.jpg

WS view: exposed steel pipe on levee slope. A pvc pipe on left.

LM Start	**1.41**	Rating **	M	Issue No.	**958 (cont)**
LM End	**1.41**	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_21585_36623.jpg



WS view: exposed steel pipe with siphon breaker. Looks siphon breaker needs repair.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.44**	Rating **	M	Issue No.	**49**
LM End	**1.44**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.806383 °	37.806383 °
				-121.406599 °	-121.406599 °
DWR ID	DWR_RD2089_01_s _ 2012_49				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Deep burrow on waterside needs to be filled.

Photo 1 of 1 : FA_2016_RD2089_316_49_20160914_00026.jpg

11/10/2011 Deep burrow on waterside.

LM Start	**1.48**	Rating **	U	Issue No.	**961**
LM End	**1.48**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806520 °	37.806520 °
				-121.407392 °	-121.407392 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50736
DS_ID:23046
EP_NO: 4133A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Pipe found on WS only. Same as last inspection. (K. Fazel - UCIP)06/25/2015 Crossing appears abandoned; if so, should be done so properly. Pipe open on WS. Holes and cracks visible on pipe. (K. Fazel - UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 12-inch concrete pipe of an unknown purpose possibly through the levee, approximately 8 feet below the crown. Smaller steel pipe is sleeved through the concrete pipe with annular space grouted. Pipe does not cross channel and may not cross levee. May be related to gasline crossing with DS ID 25121. Discovered from boat on 2015 DWR Erosion Survey.
FS Date: 11/15/2016

Photo 1 of 2 : UCIP_FA_2016_50736_74506.jpg

View up WS slope from water. Pipe does not cross channel.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.48**	Rating **	U	Issue No.	**961 (cont)**
LM End	**1.48**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806520 °	37.806520 °
				-121.407392 °	-121.407392 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50736
DS_ID:23046
EP_NO: 4133A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Pipe found on WS only. Same as last inspection. (K. Fazel - UCIP)06/25/2015 Crossing appears abandoned; if so, should be done so properly. Pipe open on WS. Holes and cracks visible on pipe. (K. Fazel - UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 12-inch concrete pipe of an unknown purpose possibly through the levee, approximately 8 feet below the crown. Smaller steel pipe is sleeved through the concrete pipe with annular space grouted. Pipe does not cross channel and may not cross levee. May be related to gasline crossing with DS ID 25121. Discovered from boat on 2015 DWR Erosion Survey.
FS Date: 11/15/2016

Photo 2 of 2 : UCIP_FA_2016_50736_74508.jpg

Gasline marker (for crossing with DS ID 25121) appr. 100 ft west of crossing.

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

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles
Unit No. 02 Salmon Slough	Right	1.35

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			**U**	
Date of Inspection	3/15/2016 - 3/15/2016		10/13/2016 - 10/13/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
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 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.06**	Rating **	U	Issue No.	**20**
LM End	**0.06**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807341 °	37.807341 °
				-121.408686 °	-121.408686 °
DWR ID	DWR_RD2089_02_s _ 2016_20				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_20_20160914_00016.jpg

View of the vegetation on the landside levee slope.

LM Start	**0.07**	Rating **	U	Issue No.	**4**
LM End	**0.07**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807375 °	37.807375 °
				-121.408605 °	-121.408605 °
DWR ID	DWR_RD2089_02_s _ 2012_4				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Thick brush may include some elderberries.

No Photos

LM Start	**0.16**	Rating **	U	Issue No.	**48**
LM End	**0.16**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.808583 °	37.808583 °
				-121.409432 °	-121.409432 °
DWR ID	DWR_RD2089_02_f _ 2013_48				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_48_20160914_00032.jpg

View of the rodent burrow on the landside levee slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.21**	Rating **	M	Issue No.	**49**
LM End	**0.21**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809148 °	37.809148 °
				-121.409897 °	-121.409897 °
DWR ID	DWR_RD2089_02_f _ 2013_49				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_49_20160914_00033.jpg

View of the multiple rodent burrows on the landside levee hinge and slope.

LM Start	**0.26**	Rating **	M	Issue No.	**24**
LM End	**0.26**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809717 °	37.809717 °
				-121.410511 °	-121.410511 °
DWR ID	DWR_RD2089_02_s _ 2012_24				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Ground squirrel sighted and active burrowing in area.

Photo 1 of 1 : FA_2016_RD2089_317_24_20160914_00018.jpg

05/24/2011 Active burrows, ground squirrel sighted in area.

LM Start	**0.28**	Rating **	U	Issue No.	**52**
LM End	**0.30**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.809899 °	37.809997 °
				-121.410888 °	-121.411298 °
DWR ID	DWR_RD2089_02_f _ 2013_52				

Comment Code

PR : Prunings

Inspector Comment

Remove prunings and other debris from the levee toe.

Photo 1 of 1 : FA_2016_RD2089_317_52_20160914_00035.jpg

View of the tree branches on the landside levee toe obstructing access.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.28**	Rating **	U	Issue No.	**51**
LM End	**0.28**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809899 °	37.809899 °
				-121.410889 °	-121.410889 °
DWR ID	DWR_RD2089_02_f _ 2013_51				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_51_20160914_00034.jpg

View of the rodent burrow on the landside levee toe.

LM Start	**0.30**	Rating **	U	Issue No.	**53**
LM End	**0.31**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809977 °	37.810022 °
				-121.411189 °	-121.411387 °
DWR ID	DWR_RD2089_02_f _ 2013_53				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Exterminating rodents and grouting the burrows recommended.

Photo 1 of 3 : FA_2016_RD2089_317_53_20160914_00036.jpg

View of the multiple rodent burrows on the landside levee slope.

LM Start	**0.30**	Rating **	U	Issue No.	**53 (cont)**
LM End	**0.31**	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2016_RD2089_317_53_20160914_00037.jpg

View of the rodent burrow on the landside levee slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.30**	Rating **	U	Issue No.	**53 (cont)**
LM End	**0.31**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809977 °	37.810022 °
				-121.411189 °	-121.411387 °
DWR ID	DWR_RD2089_02_f _ 2013_53				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Exterminating rodents and grouting the burrows recommended.

Photo 3 of 3 : FA_2016_RD2089_317_53_20160914_00038.jpg

Another view of the multiple rodent burrows on the landside levee slope.

LM Start	**0.35**	Rating **	M	Issue No.	**2**
LM End	**0.35**	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.810106 °	37.810106 °
				-121.412133 °	-121.412133 °
DWR ID	DWR_RD2089_02_s _ 2012_2				

Comment Code

FE : Fence

Inspector Comment

Gates across levee.

Photo 1 of 1 : FA_2016_RD2089_317_2_20160914_00003.jpg

View of gate across levee crown.

LM Start	**0.36**	Rating **	M	Issue No.	**26**
LM End	**0.36**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.810125 °	37.810125 °
				-121.412317 °	-121.412317 °
DWR ID	DWR_RD2089_02_s _ 2012_26				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Active burrow needs to be repaired.

Photo 1 of 1 : FA_2016_RD2089_317_26_20160914_00019.jpg

05/24/2011 Active rodent burrow.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.40**	Rating **	M	Issue No.	**1**
LM End	**0.41**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809960 °	37.809960 °
				-121.413200 °	-121.413200 °
DWR ID					

Comment Code

Inspector Comment

09/26/2016: The erosion site was visited by land survey instead of water surface survey due to the dense water grass in the river this year. No significant change observed.
06/25/2015: No significant change observed.
07/02/2014: No significant change observed.
08/13/2013: No significant change observed.
08/07/2012: The site has been visited by boat survey. No significant change observed.
08/23/2011: No significant change observed on site.
09/07/2010: Site consists of a jutting rip rap that has created an eddy, scouring the levee slope. Most sections of the toe and lower slope are lined with rip rap. However, the rip rap is sloughing on the mid slope and at the toe, exposing the underlying soils and tree roots. The remaining revetment is no longer adequately protecting the slope. There are 3 Sycamore trees at the toe with exposed tree roots.
08/05/2010: Recommended for repair, per CLRO.
09/28/2009: Pocket erosion on lower slope just above the toe rip rap; protruding rip rap upstream is creating an eddy, scouring the levee slope; Site # is the same as RM28.40,LM0.30; previously rated "U"; pictures will be made available during the next survey.
11/05/2008: Cut into levee profile; riprap slide; rodent holes; pictures do not match GPS and current condition. [2016 Site ID:RD2089U02RM28.35]

Photo 1 of 2 : SJR2016_RD2089U02RM28.35_1.jpg

View of the site from levee crest.

LM Start	**0.40**	Rating **	M	Issue No.	**1 (cont)**
LM End	**0.41**	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2016_RD2089U02RM28.35_4.jpg

Close view of the erosion. Note the vegetation at the site.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.44**	Rating **	M	Issue No.	**27**
LM End	**0.44**	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.810490 °	37.810490 °
				-121.413638 °	-121.413638 °
DWR ID	DWR_RD2089_02_s _ 2012_27				

Comment Code

BU : Building

Inspector Comment

Portable toilet on bank, at water's edge.

Photo 1 of 1 : FA_2016_RD2089_317_27_20160914_00020.jpg

05/24/2011 Portable toilet is in the shadows in the center of the photo at the water's edge.

LM Start	**0.46**	Rating **	M	Issue No.	**13**
LM End	**0.46**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.810691 °	37.810691 °
				-121.414014 °	-121.414014 °
DWR ID	DWR_RD2089_02_s _ 2012_13				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Two old burrows that need to be filled.

Photo 1 of 1 : FA_2016_RD2089_317_13_20160914_00012.jpg

11/10/2011 Two large burrows on crown, need to be filled.

LM Start	**0.47**	Rating **	M	Issue No.	**10**
LM End	**0.47**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.810714 °	37.810714 °
				-121.414057 °	-121.414057 °
DWR ID	DWR_RD2089_02_s _ 2012_10				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

Surface depression needs to be filled.

Photo 1 of 1 : FA_2016_RD2089_317_10_20160914_00008.jpg

11/10/2011 Depression in crown needs to be filled.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.50**	Rating **	U	Issue No.	**54**
LM End	**0.50**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.810989°	37.810989°
				-121.414517°	-121.414517°
DWR ID	DWR_RD2089_02_f _ 2013_54				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_54_20160914_00039.jpg

View of the rodent burrow on the landside levee slope.

LM Start	**0.50**	Rating **	U	Issue No.	**44**
LM End	**0.50**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.811050°	37.811050°
				-121.414588°	-121.414588°
DWR ID	DWR_RD2089_02_f _ 2016_44				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_44_20161017_00056.jpg

View of the vegetation on the levee slopes.

LM Start	**0.52**	Rating **	U	Issue No.	**14**
LM End	**0.52**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.811150°	37.811150°
				-121.414748°	-121.414748°
DWR ID	DWR_RD2089_02_s _ 2012_14				

Comment Code

A2 : Repair the levee slope damaged by livestock and prevent large animal access.

Inspector Comment

11/10/2011 Repair damage to slope caused by livestock.

Photo 1 of 1 : FA_2016_RD2089_317_14_20160914_00013.jpg

11/10/2011 Approximately 1' scarp has been created by livestock travel.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.54**	Rating **	M	Issue No.	**58**
LM End	**0.54**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.811369 °	37.811369 °
				-121.415050 °	-121.415050 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:21676
DS_ID:23047
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - air relief valve on waterside. Needs repair.- concrete standpipe on landside.
FIELD_STRUCT_DESC: 14-inch pipe through the levee, 8.0 feet below the crown, pump on pile structure in the stream. Air relief valve on the waterside slope. Timber walkway to the pump. Concrete distribution standpipe on landside toe. Originally included in O+M (1968)
FS Date: 9/12/2013

Photo 1 of 2 : UCIP_FA_2016_21676_36861.jpg

WS view: pipe and pump on piling strucure in water channel.

LM Start	**0.54**	Rating **	M	Issue No.	**58 (cont)**
LM End	**0.54**	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_21676_36860.jpg

WS view: air relief valve on pipe. Pipe exposed in levee slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.54**	Rating **	M	Issue No.	**35**
LM End	**0.54**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.811382 °	37.811382 °
				-121.415054 °	-121.415054 °
DWR ID	DWR_RD2089_02_f _ 2015_35				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

Photo 1 of 4 : FA_2016_RD2089_317_35_20160914_00022.jpg

View of the levee crown depression looking upstream.

LM Start	**0.54**	Rating **	M	Issue No.	**35 (cont)**
LM End	**0.54**	Issue Type +	Ma	Location *	CR

Photo 2 of 4 : FA_2016_RD2089_317_35_20160914_00023.jpg

View of the levee crown depression looking downstream.

LM Start	**0.54**	Rating **	M	Issue No.	**35 (cont)**
LM End	**0.54**	Issue Type +	Ma	Location *	CR

Photo 3 of 4 : FA_2016_RD2089_317_35_20160914_00024.jpg

View of the levee crown depression looking to the landside.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.54**	Rating **	M	Issue No.	**35 (cont)**
LM End	**0.54**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.811382 °	37.811382 °
				-121.415054 °	-121.415054 °
DWR ID	DWR_RD2089_02_f _ 2015_35				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

Photo 4 of 4 : FA_2016_RD2089_317_35_20160914_00025.jpg

View of the levee crown depression looking to the waterside.

LM Start	**0.66**	Rating **	U	Issue No.	**36**
LM End	**0.80**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.812675 °	37.814421 °
				-121.415393 °	-121.414203 °
DWR ID	DWR_RD2089_02_s _ 2012_36				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Wild growth and dead underbrush prevents visibility of levee slope and area cannot be accessed if needed for a flood fight.

Photo 1 of 2 : FA_2016_RD2089_317_36_20160914_00026.jpg

Extremely thick dead brush prevents access and visibility.

LM Start	**0.66**	Rating **	U	Issue No.	**36 (cont)**
LM End	**0.80**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_RD2089_317_36_20161017_00054.jpg

Another view of the thick vegetation on the landside levee slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.66**	Rating **	M	Issue No.	**43**
LM End	**0.66**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.812677 °	37.812677 °
				-121.415393 °	-121.415393 °
DWR ID	DWR_RD2089_02_f _ 2016_43				

Comment Code

A2 : Repair the levee slope damaged by livestock and prevent large animal access.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_43_20161017_00055.jpg

View of the animal paths on the waterside levee slope.

LM Start	**0.76**	Rating **	M	Issue No.	**15**
LM End	**0.76**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.813934 °	37.813934 °
				-121.414320 °	-121.414320 °
DWR ID	DWR_RD2089_02_f _ 2014_15				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_15_20160914_00014.jpg

View of the scour from surface runoff on the landside levee slope.

LM Start	**0.83**	Rating **	M	Issue No.	**21**
LM End	**0.83**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814773 °	37.814773 °
				-121.414555 °	-121.414555 °
DWR ID	DWR_RD2089_02_s _ 2012_21				

Comment Code

A2 : Repair the levee slope damaged by livestock and prevent large animal access.

Inspector Comment

Livestock have worn paths into levee slope.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.83**	Rating **	M	Issue No.	**38**
LM End	**0.83**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814844 °	37.814844 °
				-121.414566 °	-121.414566 °
DWR ID	DWR_RD2089_02_s _ 2012_38				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Active burrows present.

No Photos

LM Start	**0.84**	Rating **	M	Issue No.	**9**
LM End	**0.84**	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.814881 °	37.814881 °
				-121.414676 °	-121.414676 °
DWR ID	DWR_RD2089_02_s _ 2012_9				

Comment Code

FE : Fence

Inspector Comment

Gate across levee crown.

Photo 1 of 1 : FA_2016_RD2089_317_9_20160914_00007.jpg

View of the fence gate across levee crown.

LM Start	**0.84**	Rating **	M	Issue No.	**25**
LM End	**0.84**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814906 °	37.814906 °
				-121.414745 °	-121.414745 °
DWR ID	DWR_RD2089_02_s _ 2012_25				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Elderberry and blackberry on levee slope.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.84**	Rating **	M	Issue No.	**42**
LM End	**0.84**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.814931 °	37.814931 °
				-121.414756 °	-121.414756 °
DWR ID	DWR_RD2089_02_f _ 2016_42				

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Ramp is encroaching into the levee slope. Add appropriate material to stabilize the slope.

Photo 1 of 1 : FA_2016_RD2089_317_42_20161017_00052.jpg

View of the ramp on the landside levee slope.

LM Start	**0.85**	Rating **	U	Issue No.	**40**
LM End	**0.90**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814997 °	37.814970 °
				-121.414774 °	-121.415767 °
DWR ID	DWR_RD2089_02_s _ 2012_40				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Numerous burrows on landside slope adjacent to hay storage area. Deep burrows in crown and landside ramp.

Photo 1 of 3 : FA_2016_RD2089_317_40_20160914_00028.jpg

05/24/2011 Deep vertical burrow in ramp on land side of levee.

LM Start	**0.85**	Rating **	U	Issue No.	**40 (cont)**
LM End	**0.90**	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2016_RD2089_317_40_20160914_00029.jpg

05/24/2011 Deep vertical burrow in levee crown.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.85**	Rating **	U	Issue No.	**40 (cont)**
LM End	**0.90**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814997 °	37.814970 °
				-121.414774 °	-121.415767 °
DWR ID	DWR_RD2089_02_s _ 2012_40				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Numerous burrows on landside slope adjacent to hay storage area.
Deep burrows in crown and landside ramp.

Photo 3 of 3 : FA_2016_RD2089_317_40_20160914_00030.jpg

View of the multiple rodent holes on the landside levee slope.

LM Start	**0.85**	Rating **	U	Issue No.	**39**
LM End	**0.88**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814967 °	37.815017 °
				-121.414839 °	-121.415455 °
DWR ID	DWR_RD2089_02_f _ 2016_39				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Tumbleweeds on landside levee hinge and slope.

Photo 1 of 1 : FA_2016_RD2089_317_39_20161017_00053.jpg

View of the vegetation on the landside levee slope.

LM Start	**0.91**	Rating **	M	Issue No.	**22**
LM End	**0.91**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814903 °	37.814903 °
				-121.415887 °	-121.415887 °
DWR ID	DWR_RD2089_02_s _ 2015_22				

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 Deficiancy
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. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**0.94**	Rating **	M	Issue No.	**41**
LM End	**0.94**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.814940 °	37.814940 °
				-121.416499 °	-121.416499 °
DWR ID	DWR_RD2089_02_s _ 2012_41				

Comment Code

PI : Pipe

Inspector Comment

Debris/CMP on levee slope needs to be removed.

Photo 1 of 1 : FA_2016_RD2089_317_41_20160914_00031.jpg

05/24/2011 Old CMP left on waterside levee slope, needs to be removed.

LM Start	**0.95**	Rating **	U	Issue No.	**5**
LM End	**0.95**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814915 °	37.814915 °
				-121.416606 °	-121.416606 °
DWR ID	DWR_RD2089_02_s _ 2014_5				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_5_20160914_00004.jpg

View of the rodent holes on the landside levee slope.

LM Start	**1.00**	Rating **	U	Issue No.	**12**
LM End	**1.00**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815182 °	37.815182 °
				-121.417439 °	-121.417439 °
DWR ID	DWR_RD2089_02_f _ 2014_12				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 2 : FA_2016_RD2089_317_12_20160914_00010.jpg

View of several large rodent holes on the levee crown.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.00**	Rating **	U	Issue No.	**12 (cont)**
LM End	**1.00**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815182 °	37.815182 °
				-121.417439 °	-121.417439 °
DWR ID	DWR_RD2089_02_f _ 2014_12				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 2 of 2 : FA_2016_RD2089_317_12_20160914_00011.jpg

View of several rodent burrows on landside levee hinge and crown.

LM Start	**1.05**	Rating **	N	Issue No.	**29**
LM End	**1.05**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.815629 °	37.815629 °
				-121.418133 °	-121.418133 °
DWR ID	DWR_RD2089_02_s _ 2012_29				

Comment Code

T5 : Tree stumps.

Inspector Comment

14" dia stump. Could not verify as the area is overgrown with high weeds.

Photo 1 of 1 : FA_2016_RD2089_317_29_20160914_00021.jpg

Tree stump >2" left after vegetation and tree removal.

LM Start	**1.09**	Rating **	M	Issue No.	**17**
LM End	**1.09**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.816100 °	37.816100 °
				-121.418487 °	-121.418487 °
DWR ID	DWR_RD2089_02_s _ 2012_17				

Comment Code

DE : Debris

Inspector Comment

Water tanks disposed of on levee are obstructive.

Photo 1 of 1 : FA_2016_RD2089_317_17_20160914_00015.jpg

View of water tanks disposed on waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.12**	Rating **	M	Issue No.	**30**
LM End	**1.12**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.816487 °	37.816487 °
				-121.418948 °	-121.418948 °
DWR ID	DWR_RD2089_02_s _ 2012_30				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

LM Start	**1.18**	Rating **	M	Issue No.	**6**
LM End	**1.18**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.817271 °	37.817271 °
				-121.419380 °	-121.419380 °
DWR ID	DWR_RD2089_02_s _ 2014_6				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_6_20160914_00005.jpg

View of the large rodent hole on the landside levee slope.

LM Start	**1.22**	Rating **	C	Issue No.	**7**
LM End	**1.22**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.817796 °	37.817796 °
				-121.419650 °	-121.419650 °
DWR ID	DWR_RD2089_02_s _ 2014_7				

Comment Code

CR : Crops

Inspector Comment

Animal feed stored at the landside levee toe. Most of the feed is cleaned up now.

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.24**	Rating **	U	Issue No.	**31**
LM End	**1.24**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818051 °	37.818051 °
				-121.419743 °	-121.419743 °
DWR ID	DWR_RD2089_02_s _ 2012_31				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

LM Start	**1.24**	Rating **	U	Issue No.	**37**
LM End	**1.24**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.818097 °	37.818097 °
				-121.419709 °	-121.419709 °
DWR ID	DWR_RD2089_02_s _ 2016_37				

Comment Code

PR : Prunings

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_37_20160914_00027.jpg

View of the prunings on the landside levee slope.

LM Start	**1.24**	Rating **	U	Issue No.	**28**
LM End	**1.24**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818112 °	37.818112 °
				-121.419720 °	-121.419720 °
DWR ID	DWR_RD2089_02_f _ 2016_28				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_28_20161017_00049.jpg

View of the rodent burrow in the landside levee slope.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.25**	Rating **	U	Issue No.	**23**
LM End	**1.31**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.818277 °	37.819040 °
				-121.419725 °	-121.419760 °
DWR ID	DWR_RD2089_02_s _ 2012_23				

Comment Code

BU : Building

Inspector Comment

Buildings and equipment encroach within 10-ft of landside toe. The boat was removed.

Photo 1 of 1 : FA_2016_RD2089_317_23_20160914_00017.jpg

Fall 2009 photo: Buildings and patio decks are built within 10-ft of the levee slope.

LM Start	**1.27**	Rating **	M	Issue No.	**57**
LM End	**1.27**	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818499 °	37.818499 °
				-121.419754 °	-121.419754 °
DWR ID	DWR_RD2089_02_f _ 2013_57				

Comment Code

V6 : Landscaping

Inspector Comment

Remove cactus from levee crown.

Photo 1 of 1 : FA_2016_RD2089_317_57_20160914_00040.jpg

View of the cactus on the landside levee shoulder.

LM Start	**1.29**	Rating **	U	Issue No.	**19**
LM End	**1.29**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818740 °	37.818740 °
				-121.419759 °	-121.419759 °
DWR ID	DWR_RD2089_02_f _ 2016_19				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_19_20161017_00048.jpg

View of the rodent burrow in the landside levee slope.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.29**	Rating **	A/W	Issue No.	**32**
LM End	**1.29**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818829 °	37.818829 °
				-121.419776 °	-121.419776 °
DWR ID	DWR_RD2089_02_s _ 2012_32				

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

LM Start	**1.29**	Rating **	N	Issue No.	**18**
LM End	**1.29**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818843 °	37.818843 °
				-121.419762 °	-121.419762 °
DWR ID	DWR_RD2089_02_f _ 2016_18				

Comment Code

T5 : Tree stumps.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_18_20161017_00047.jpg

View of the tree stump from the levee crown.

LM Start	**1.30**	Rating **	U	Issue No.	**16**
LM End	**1.30**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818987 °	37.818987 °
				-121.419767 °	-121.419767 °
DWR ID	DWR_RD2089_02_s _ 2015_16				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2016_RD2089_317_16_20161017_00046.jpg

View of the rodent burrow in the landside levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	**1.30**	Rating **	M	Issue No.	**8**
LM End	**1.34**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818994 °	37.819556 °
				-121.419762 °	-121.419621 °
DWR ID	DWR_RD2089_02_f _ 2016_8				

Comment Code

V6 : Landscaping

Inspector Comment

Photo 1 of 2 : FA_2016_RD2089_317_8_20161017_00044.jpg

View of the ice plant and irrigation line on the landside levee slope, looking upstream.

LM Start	**1.30**	Rating **	M	Issue No.	**8 (cont)**
LM End	**1.34**	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_RD2089_317_8_20161017_00045.jpg

View of the ice plant landscaping on the landside levee slope, looking downstream.

LM Start	**1.33**	Rating **	U	Issue No.	**11**
LM End	**1.33**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.819371 °	37.819371 °
				-121.419774 °	-121.419774 °
DWR ID	DWR_RD2089_02_f _ 2014_11				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Some of the rodent hole openings have collapsed.

Photo 1 of 1 : FA_2016_RD2089_317_11_20160914_00009.jpg

View of the multiple rodent burrows on the landside levee slope.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	10/13/2016 10/13/2016	Maksim Khashchuk

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