

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Reclamation District No. 2062 Stewart

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2017 - 3/29/2017			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Lyn Hale RD2062			

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 - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2062_01_f_2013_2				
Comment Code					
Inspector Comment					
The O&M Manual is available at the LMA's office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2062_01_s_2013_5				
Comment Code					
Inspector Comment					
Adequate flood fight supplies are available on-site.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2062_01_s_2013_8				
Comment Code					
Inspector Comment					
The LMA has a flood fight emergency response plan. LMA has attended DWR flood fighting class.					

No Photos

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.04	Rating **	M	Issue No.	7
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807181 °	37.788693 °
				-121.327459 °	-121.308832 °
DWR ID	DWR_RD2062_01_s_2017_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2062_309_7_20170405_00012.jpg



View of the vegetation on the levee slope.

LM Start	0.72	Rating **	C	Issue No.	6
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805138 °	37.805138 °
				-121.316420 °	-121.316420 °
DWR ID	DWR_RD2062_01_s_2015_6				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
New levee patrol road is being installed. Make sure all-weather access is available before next flood season.					

No Photos

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	10
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793521 °	37.793521 °
				-121.315348 °	-121.315348 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22807 DS_ID:19177 EP_NO: 12679 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - All 3 pipes on landside looks new.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 1 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124) FS Date: 10/22/2013					

LM Start	1.64	Rating **	M	Issue No.	10 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_22807_38905.jpg



WS view: pipes, walkway, and dismantled pump house (right).

Photo 2 of 3 : UCIP_SP_2017_22807_38904.jpg



WS view: 16-inch pipes on both sides of walkway and 10-inch pipe (on right) away from walkway.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	10 (cont)
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793521 °	37.793521 °
				-121.315348 °	-121.315348 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22807 DS_ID:19177 EP_NO: 12679 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - All 3 pipes on landside looks new.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 1 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124) FS Date: 10/22/2013					

Photo 3 of 3 : UCIP_SP_2017_22807_38903.jpg



WS view: two 16-inch pipes. Pumps were removed. Pumphouse dismantled.

LM Start	1.64	Rating **	M	Issue No.	11
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793510 °	37.793510 °
				-121.315345 °	-121.315345 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22809 DS_ID:19183 EP_NO: 12679 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - All 3 pipes on landside looks new.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 2 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124) FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_22809_38913.jpg



WS view: pipes, walkway, and dismantled pumphouse (right).

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	11 (cont)	
LM End	1.64	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.793510 °		37.793510 °
				-121.315345 °		-121.315345 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22809						
DS_ID:19183						
EP_NO: 12679						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - All 3 pipes on landside looks new.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing.						
FIELD_STRUCT_DESC: 2 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124)						
FS Date: 10/22/2013						

LM Start	1.64	Rating **	M	Issue No.	11 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_22809_38912.jpg



WS view: 16-inch pipes on both sides of walkway and 10-inch pipe (on right) away from walkway.

Photo 3 of 3 : UCIP_SP_2017_22809_38911.jpg



WS view: two 16-inch pipes under walkway; pumps were removed.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	12
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793497 °	37.793497 °
				-121.315340 °	-121.315340 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22810 DS_ID:19184 EP_NO: 12679 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - All 3 pipes on landside looks new. No pump associated with 8-inch pipe.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 3 of 3: one 8-inch pipe, two 16-inch pipes, and three electric conduits through the levee 8.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. Installed by the United States Army Corps of Engineers, 1961. (App. No. 12679) FS Date: 10/22/2013					

LM Start	1.64	Rating **	M	Issue No.	12 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_22810_38918.jpg



WS view: pipes, walkway, and dismantled pump house (right).

Photo 2 of 3 : UCIP_SP_2017_22810_38917.jpg



WS view: electric conduit and 10-inch pipe (right). Dismantled/removed pipe and pump house (far right).

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	M	Issue No.	12 (cont)	
LM End	1.64	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.793497 °		37.793497 °
				-121.315340 °		-121.315340 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22810						
DS_ID:19184						
EP_NO: 12679						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - All 3 pipes on landside looks new. No pump associated with 8-inch pipe.- Pumps, pump house, and pipes removed from waterside.- Land development activities going on in this area.- Needs to confirm from LMA or DWR Inspector about the crossing.						
FIELD_STRUCT_DESC: 3 of 3: one 8-inch pipe, two 16-inch pipes, and three electric conduits through the levee 8.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. Installed by the United States Army Corps of Engineers, 1961. (App. No. 12679)						
FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_22810_38916.jpg



LS view: two 16-inch pipes (left) and one 10-inch pipe (right) in ditch.
Concrete box removed.

LM Start	2.14	Rating **	M	Issue No.	9
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.793991 °	37.793991 °
				-121.308524 °	-121.308524 °
DWR ID	DWR_RD2062_01_f_2016_9				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
It is recommended to control levee access to prevent possible future damage to the levee slopes.					

Photo 1 of 1 : SP_2017_RD2062_309_9_20170313_00002.jpg



View of the waterside levee slope erosion due to vehicles driving on the slope.

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

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	3.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2017 - 3/29/2017			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Lyn Hale RD2062			

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 - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.45	Rating **	U	Issue No.	11
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.783106 °	37.807388 °
				-121.337791 °	-121.389491 °
DWR ID	DWR_RD2062_02_s_2017_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2062_310_11_20170405_00027.jpg



View of the vegetation on the levee slope.

LM Start	0.56	Rating **	M	Issue No.	12
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784380 °	37.784380 °
				-121.338985 °	-121.338985 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23110					
DS_ID:24697					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Found on field with the help of USACE 2012 PI Report.Needs proper abandonment.					
FIELD_STRUCT_DESC: Abandoned 24-inch steel pipe through the levee. Damaged siphon breaker on waterside levee slope. Pump on concrete sump on landside. Service pole on landside levee slope. Pump was disconnected from service pole.					
FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2017_23110_39398.jpg



WS view: power pole (left), siphon breaker (marked- left), and steel pipe (right) on levee slope.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.56	Rating **	M	Issue No.	12 (cont)	
LM End	0.56	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.784380 °		37.784380 °
				-121.338985 °		-121.338985 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23110						
DS_ID:24697						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Found on field with the help of USACE 2012 PI						
Report.Needs proper abandonment.						
FIELD_STRUCT_DESC: Abandoned 24-inch steel pipe through the						
levee. Damaged siphon breaker on waterside levee slope. Pump on						
concrete sump on landside. Service pole on landside levee slope.						
Pump was disconnected from service pole.						
FS Date: 10/23/2013						

LM Start	0.56	Rating **	M	Issue No.	12 (cont)
LM End	0.56	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_23110_39397.jpg



WS view: exposed steel pipe and damaged siphon breaker on levee slope.

Photo 3 of 3 : UCIP_SP_2017_23110_39396.jpg



WS view: exposed steel pipe on channel bank and also immersed into channel water.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.75	Rating **	M	Issue No.	13
LM End	0.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786130 °	37.786130 °
				-121.341564 °	-121.341564 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23181					
DS_ID:19192					
EP_NO: 12427					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - no siphon breaker found- levee toe erosion under walkway on waterside.- erosion around concrete standpipe on landside- may be base of the standpipe was leaking.					
FIELD_STRUCT_DESC: 18-inch pipe through the levee 4.4 feet below the crown, pump house on the waterward slope, metal walkway from the pump house to the crown. Power pole on waterside. Flap gate and concrete distribution box on the landward slope. (App. No. 12427)					
FS Date: 10/23/2013					

LM Start	0.75	Rating **	M	Issue No.	13 (cont)
LM End	0.75	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23181_39792.jpg



WS view: pipe, walkway, service pole, and pumphouse on levee slope.

Photo 2 of 3 : UCIP_SP_2017_23181_39791.jpg



WS view: leaky slant pump in pumphouse on levee slope.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.75	Rating **	M	Issue No.	13 (cont)	
LM End	0.75	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.786130 °	37.786130 °	
				-121.341564 °	-121.341564 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23181						
DS_ID:19192						
EP_NO: 12427						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - no siphon breaker found- levee toe erosion under walkway on waterside.- erosion around concrete standpipe on landside- may be base of the standpipe was leaking.						
FIELD_STRUCT_DESC: 18-inch pipe through the levee 4.4 feet below the crown, pump house on the waterward slope, metal walkway from the pump house to the crown. Power pole on waterside. Flap gate and concrete distribution box on the landward slope. (App. No. 12427)						
FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_23181_39790.jpg



WS view: oil leakage from slant pump. Pipe under pump house.

LM Start	1.37	Rating **	M	Issue No.	14
LM End	1.37	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.791821 °	37.791821 °
				-121.350448 °	-121.350448 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51468 DS_ID:19193 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/05/2017:Pipe has been plugged as a flood fight measure and is likely to be replaced under a permit. MBK (Michael Moncrief) is working on the permit. Photo and update courtesy of Max Khashchuk as part of his 2017 Spring Inspection. (K. Fazel - UCIP)10/22/2013:- pumphouse on concrete sump in the channel.- erosion under walkway on waterside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 20-inch steel irrigation pipe through the levee, 8 feet below the crown. Pump house on the waterside (WS) slope and a metal walkway from the pump house to the crown. Flap gate, air vent, and concrete distribution box on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 4/6/2017					

Photo 1 of 3 : UCIP_SP_2017_51468_39195.jpg



WS view: pipe, walkway, and pumphouse on levee berm. Service pole on waterside.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	15
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.794009 °	37.794009 °	
			-121.354417 °	-121.354417 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:50452
DS_ID:19194
EP_NO: 4305
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 08/31/2016: Heavy sloughing and sink hole remains at the WS slope in alignment with pipe. Though sloughing is not affecting levee prism, it is still an indication of a pipe integrity problem. Oil leak at the pump but does not appear to impact the levee. (K. Fazel - UCIP)10/22/2013:- missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 1 of 2: 18-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Power pole on the LS shoulder. Concrete distribution box at the LS toe. (Permit No. 4305, 1964 - Island Reclamation District No. 2062) [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 8/31/2016

LM Start	1.64	Rating **	U	Issue No.	15 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_50452_39187.jpg



WS view: pipes, walkway, and pumphouse with missing roof (right).

Photo 2 of 3 : UCIP_SP_2017_50452_39186.jpg



WS view: walkway to pumphouse. Walkway in poor condition.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	15 (cont)
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.794009 °	37.794009 °
				-121.354417 °	-121.354417 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50452
 DS_ID:19194
 EP_NO: 4305
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 08/31/2016: Heavy sloughing and sink hole remains at the WS slope in alignment with pipe. Though sloughing is not affecting levee prism, it is still an indication of a pipe integrity problem. Oil leak at the pump but does not appear to impact the levee. (K. Fazel - UCIP)10/22/2013:- missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. (P. Amatya - DWR)
 FIELD_STRUCT_DESC: 1 of 2: 18-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Power pole on the LS shoulder. Concrete distribution box at the LS toe. (Permit No. 4305, 1964 - Island Reclamation District No. 2062) [Additional Reference(s): DWR Levee Log, 2007].
 FS Date: 8/31/2016

Photo 3 of 3 : UCIP_SP_2017_50452_39185.jpg



WS view: two leaky slant pumps in pumphouse with missing roof.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	16
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.794014 °	37.794014 °
				-121.354434 °	-121.354434 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50454
DS_ID:19197
EP_NO: 4305
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 08/31/2016: Heavy sloughing and sink hole remains at the WS slope in alignment with pipes. Though sloughing is not affecting levee prism, it is still an indication of a pipe integrity problem. Oil leak at the pump but does not appear to impact levee. (K. Fazel - UCIP)10/22/2013:- missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 2 of 2: 18-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Power pole on the LS shoulder. Concrete distribution box at the LS toe. (Permit No. 4305, 1964 - Island Reclamation District No. 2062) [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 8/31/2016

LM Start	1.64	Rating **	U	Issue No.	16 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_50454_39176.jpg



WS view: pipes, walkway, and pumphouse with missing roof (right).

Photo 2 of 3 : UCIP_SP_2017_50454_39175.jpg



WS view: walkway in poor condition, to pumphouse.

* 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**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	16 (cont)	
LM End	1.64	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.794014 °	37.794014 °	
				-121.354434 °	-121.354434 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50454 DS_ID:19197 EP_NO: 4305 Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/31/2016: Heavy sloughing and sink hole remains at the WS slope in alignment with pipes. Though sloughing is not affecting levee prism, it is still an indication of a pipe integrity problem. Oil leak at the pump but does not appear to impact levee. (K. Fazel - UCIP)10/22/2013:- missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 2 of 2: 18-inch steel irrigation pipe through the levee, 4.8 feet below the crown. Pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Power pole on the LS shoulder. Concrete distribution box at the LS toe. (Permit No. 4305, 1964 - Island Reclamation District No. 2062) [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 8/31/2016						

Photo 3 of 3 : UCIP_SP_2017_50454_39174.jpg



WS view: two leaky slant pumps in pumphouse with missing roof.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	17
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804770 °	37.804770 °
				-121.379679 °	-121.379679 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23304 DS_ID:19199 EP_NO: 11524 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - waterside pipe immersed into channel water. - most of the pipe on landside exposed and siphon breaker on waterside not protected. FIELD_STRUCT_DESC: 1 of 3: One of 2x24-inch pipes through the levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm. (App. No. 11524) FS Date: 10/22/2013					

LM Start	3.24	Rating **	M	Issue No.	17 (cont)
LM End	3.24	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23304_40147.jpg



WS view: 24-inch steel pipe (left) with siphon breaker on levee slope. 18-inch pipe on right.

Photo 2 of 3 : UCIP_SP_2017_23304_40146.jpg



WS view: leaky siphon breaker on levee slope.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	17 (cont)	
LM End	3.24	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.804770 °		37.804770 °
				-121.379679 °		-121.379679 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23304 DS_ID:19199 EP_NO: 11524 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - waterside pipe immersed into channel water.- most of the pipe on landside exposed and siphon breaker on waterside not protected. FIELD_STRUCT_DESC: 1 of 3: One of 2x24-inch pipes through the levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm. (App. No. 11524) FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_23304_40148.jpg



LS view: overview of pipes on levee berm and pump platform (marked - right) off the berm 350 ft from the levee.

LM Start	3.24	Rating **	M	Issue No.	18
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804777 °	37.804777 °
				-121.379704 °	-121.379704 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23023 DS_ID:19198 EP_NO: 11524 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 18-inch pipe bifurcated near the pump and two gate valves installed.- waterside pipe immersed into channel water.- most of the pipe on landside exposed and siphon breaker on waterside not protected. FIELD_STRUCT_DESC: 2 of 3: 18-inch pipe through the levee 4.0 feet below the crown. 2x24-inch pipes through the levee 2.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm. (App. No. 11524) FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_23023_39082.jpg



WS view: exposed 18-inch pipe with siphon breaker on levee slope.
Exposed 24-inch pipe (left).

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	18 (cont)	
LM End	3.24	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.804777 °		37.804777 °
				-121.379704 °		-121.379704 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23023 DS_ID:19198 EP_NO: 11524 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 18-inch pipe bifurcated near the pump and two gate valves installed.- waterside pipe immersed into channel water.- most of the pipe on landside exposed and siphon breaker on waterside not protected. FIELD_STRUCT_DESC: 2 of 3: 18-inch pipe through the levee 4.0 feet below the crown. 2x24-inch pipes through the levee 2.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm. (App. No. 11524) FS Date: 10/22/2013						

LM Start	3.24	Rating **	M	Issue No.	18 (cont)
LM End	3.24	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_23023_39081.jpg



WS view: closer view of 18-inch pipe with siphon breaker on levee slope.

Photo 3 of 3 : UCIP_SP_2017_23023_39080.jpg



LS view: overview of exposed pipes and pump station (marked-right) 350 ft from levee center.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	19
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804787 °	37.804787 °
				-121.379734 °	-121.379734 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23305					
DS_ID:19195					
EP_NO: 11524					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - no associated pump or any other appurtenances found on landside.- looks abandoned pipe. Needs proper abandonment.					
FIELD_STRUCT_DESC: 3 of 3: One of 2x24-inch pipe through the levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet below the crown. Siphon breakers on waterward slope. (App. No. 11524)					
FS Date: 10/22/2013					

LM Start	3.24	Rating **	M	Issue No.	19 (cont)
LM End	3.24	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23305_40153.jpg



WS view: siphon breaker in steel pipe riser on levee slope.

Photo 2 of 3 : UCIP_SP_2017_23305_40152.jpg



WS view: closer view of siphon breaker in steel pipe riser on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2062 Stewart

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	3.90	Rating **	U	Issue No.	10
LM End	3.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.808444 °	37.809195 °
				-121.390435 °	-121.390408 °
DWR ID	DWR_RD2062_02_s_2017_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2062_310_10_20170405_00026.jpg



View of the vegetation on the levee slope.

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

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 03 Old River			Left	5.55
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2017 - 3/29/2017			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Lyn Hale RD2062			

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 - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	-0.04	Rating **	U	Issue No.	1
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809414 °	37.809414 °
				-121.390328 °	-121.390328 °
DWR ID	DWR_RD2062_03_s_2017_1				
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: Site is at the upstream of a drainage ditch. [2016 Site ID:RD2062U03RM29.93]					

LM Start	-0.04	Rating **	U	Issue No.	1 (cont)
LM End	0.06	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_RD2062_311_1_20170313_00001.jpg



Front view of the erosion.

Photo 2 of 2 : SP_2017_RD2062_311_1_20170313_00002.jpg



Close view of the erosion.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809514 °	37.809514 °
				-121.390125 °	-121.390125 °
DWR ID	DWR_RD2062_03_s_2017_2				
Comment Code					
Inspector Comment					
11/09/2016: No significant change observed.					
06/25/2015: The erosion is below a large oak tree. Vegetation is visible around the erosion site. [2016 Site ID:RD2062U03RM29.94]					

LM Start	0.02	Rating **	M	Issue No.	2 (cont)
LM End	0.03	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_RD2062_311_2_20170313_00003.jpg



Front view of the erosion site. Note the large tree above the erosion.

Photo 2 of 2 : SP_2017_RD2062_311_2_20170313_00004.jpg



Close view of the erosion.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.10	Rating **	U	Issue No.	4
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809932 °	37.809932 °
				-121.388788 °	-121.388788 °
DWR ID	DWR_RD2062_03_s_2017_4				
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: Hard to view the erosion because of the dense vegetation and trees on site. The site is under the bush, close to the tree. [2016 Site ID:RD2062U03RM30.02]					

LM Start	0.10	Rating **	U	Issue No.	4 (cont)
LM End	0.11	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_RD2062_311_4_20170313_00005.jpg



Front view of the site.

Photo 2 of 2 : SP_2017_RD2062_311_4_20170313_00006.jpg



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

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.17	Rating **	N	Issue No.	6
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.810194 °	37.810194 °
				-121.387602 °	-121.387602 °
DWR ID	DWR_RD2062_03_s_2012_6				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2062_311_6_20170313_00009.jpg



View of the tree stump on the waterside levee slope.

LM Start	0.17	Rating **	M	Issue No.	5
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810268 °	37.810268 °
				-121.387495 °	-121.387495 °
DWR ID	DWR_RD2062_03_s_2017_5				
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 protection at the levee toe has been washed away.					
[2016 Site ID:RD2062U03RM30.1]					

Photo 1 of 2 : SP_2017_RD2062_311_5_20170313_00007.jpg



Direct view of the site.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.17	Rating **	M	Issue No.	5 (cont)	
LM End	0.17	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810268 °	37.810268 °	
				-121.387495 °	-121.387495 °	
DWR ID	DWR_RD2062_03_s_2017_5					
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 protection at the levee toe has been washed away.						
[2016 Site ID:RD2062U03RM30.1]						

Photo 2 of 2 : SP_2017_RD2062_311_5_20170313_00008.jpg



Close view of the erosion.

* 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. 2062 Stewart

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

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.35	Rating **	M	Issue No.	9	
LM End	0.35	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.811101	°	37.811101
				-121.384402	°	-121.384402
DWR ID	DWR_RD2062_03_s_2017_9					
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 is right at the downstream of a river bend. [2016 Site ID:RD2062U03RM30.27]						

LM Start	0.35	Rating **	M	Issue No.	9 (cont)
LM End	0.35	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2017_RD2062_311_9_20170313_00011.jpg



Front view of the erosion.

Photo 2 of 3 : SP_2017_RD2062_311_9_20170313_00012.jpg



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

* 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. 2062 Stewart

Front view of the erosion.

View of the landside levee slope erosion around the pipe.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.51	Rating **	U	Issue No.	44
LM End	0.51	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.812575 °	37.812575 °	
			-121.382798 °	-121.382798 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:50455
DS_ID:19200
EP_NO: 2029
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 08/31/2016: Sloughing of LS slope beneath exposed section of pipe. Overflow pipe has been replaced on WS, though I could not locate a permit for that work. (K. Fazel - UCIP)10/22/2013:- pits and holes on overflow pipe on waterside.- underpinning at pump support.- slope erosion on both sides of the levee.- 2-inch electric conduit on waterside and power pole on landside. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 8 feet below the crown. Siphon breaker on the landside (LS) slope. Pump house on the waterside (WS) slope. Distribution box on the LS. 2-inch electric conduit on the WS and power pole on the LS. Newly installed (as of 2016) overflow pipe with shutoff valve on WS. (Permit No. 2029, 1954 - Island RD2062) [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 8/31/2016

LM Start	0.51	Rating **	U	Issue No.	44 (cont)
LM End	0.51	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50455_40158.jpg



WS view: pump house on levee slope and soil erosion on levee slope.

Photo 2 of 3 : UCIP_SP_2017_50455_40157.jpg



WS view: pump house on levee slope and holes-pits on corroded overflow pipe (left).

* 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**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.51	Rating **	U	Issue No.	44 (cont)
LM End	0.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.812575 °	37.812575 °
				-121.382798 °	-121.382798 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50455 DS_ID:19200 EP_NO: 2029 Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/31/2016: Sloughing of LS slope beneath exposed section of pipe. Overflow pipe has been replaced on WS, though I could not locate a permit for that work. (K. Fazel - UCIP)10/22/2013:- pits and holes on overflow pipe on waterside.- underpinning at pump support.- slope erosion on both sides of the levee.- 2-inch electric conduit on waterside and power pole on landside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 8 feet below the crown. Siphon breaker on the landside (LS) slope. Pump house on the waterside (WS) slope. Distribution box on the LS. 2-inch electric conduit on the WS and power pole on the LS. Newly installed (as of 2016) overflow pipe with shutoff valve on WS. (Permit No. 2029, 1954 - Island RD2062) [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 8/31/2016					

Photo 3 of 3 : UCIP_SP_2017_50455_40156.jpg



WS view: slant pump in pumphouse on levee slope.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	13
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.813070 °	37.813070 °
				-121.383100 °	-121.383100 °
DWR ID	DWR_RD2062_03_s_2017_13				
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: No significant change observed on site.					
09/07/2010: No significant change observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope.					
08/06/2010: Recommended as local maintenance issue, per CLRO Report.					
03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year.					
09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U".					
11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide. [2016 Site ID:RD2062U03RM30.43]					

LM Start	0.55	Rating **	M	Issue No.	13 (cont)
LM End	0.56	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_RD2062_311_13_20170313_00014.jpg



Front view of the site. Previously placed rip rap slipped, exposing the underlying soils and creating a pocket.

Photo 2 of 2 : SP_2017_RD2062_311_13_20170313_00015.jpg



Front view of the site. Rip rap is no longer adequately protecting levee slope.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	0.69	Rating **	A	Issue No.	19
LM End	0.76	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.814487 °	37.815509 °
				-121.381418 °	-121.381546 °
DWR ID	DWR_RD2062_03_s_2017_19				
Comment Code					
Inspector Comment					
LMA installed seepage blanket in February 2017.					

Photo 1 of 1 : SP_2017_RD2062_311_19_20170405_00049.jpg



View of the seepage blanket on the levee slope and toe.

LM Start	1.00	Rating **	A	Issue No.	16
LM End	1.46	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.817243 °	37.821667 °
				-121.378636 °	-121.375671 °
DWR ID	DWR_RD2062_03_s_2017_16				
Comment Code					
Inspector Comment					
LMA installed seepage blanket in February 2017.					

Photo 1 of 1 : SP_2017_RD2062_311_16_20170405_00048.jpg



View of the seepage blanket on levee slope and toe.

LM Start	1.04	Rating **	C	Issue No.	36
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817764 °	37.817764 °
				-121.378623 °	-121.378623 °
DWR ID	DWR_RD2062_03_s_2016_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.18	Rating **	U	Issue No.	17
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.819290 °	37.819290 °
				-121.378880 °	-121.378880 °
DWR ID	DWR_RD2062_03_s_2017_17				
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: No significant change observed on site.					
09/07/2010: No significant change observed on site. Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide.					
08/06/2010: Recommended as local maintenance issue, per CLRO.					
03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' this year.					
09/28/2009: No major change observed; section of rip rap has slipped, creating a terraced effect; dense vegetation growth; recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.12,LM1.25; previously rated "U".					
09/14/2006: 1-2' into prism. [2016 Site ID:RD2062U03RM31.12]					

Photo 1 of 1 : SP_2017_RD2062_311_17_20170313_00016.jpg



Front view of the site.

LM Start	1.32	Rating **	C	Issue No.	42
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820483 °	37.821253 °
				-121.377118 °	-121.376993 °
DWR ID	DWR_RD2062_03_f_2016_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.35	Rating **	A/W	Issue No.	18
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820885 °	37.820885 °
				-121.376986 °	-121.376986 °
DWR ID	DWR_RD2062_03_s_2012_18				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush blocks visibility.					

Photo 1 of 1 : SP_2017_RD2062_311_18_20170313_00017.jpg



05/11/2011 Elderberry bush on water side slope.

LM Start	1.39	Rating **	U	Issue No.	43
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.821380 °	37.821380 °
				-121.376900 °	-121.376900 °
DWR ID	DWR_RD2062_03_s_2017_43				
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: No significant change observed on site.					
09/07/2010: No significant change observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree.					
08/06/2010: Recommended as local maintenance issue, per CLRO.					
03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010.					
09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3, LM1.45; previously rated "M".					
11/05/2008: Portion of rip rap collapsing.					
09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree.					
[2016 Site ID:RD2062U03RM31.28]					

Photo 1 of 2 : SP_2017_RD2062_311_43_20170313_00027.jpg



Front view of the erosion site.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.39	Rating **	U	Issue No.	43 (cont)	
LM End	1.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.821380 °	37.821380 °	
				-121.376900 °	-121.376900 °	
DWR ID	DWR_RD2062_03_s _ 2017_43					
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: No significant change observed on site.						
09/07/2010: No significant change observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree.						
08/06/2010: Recommended as local maintenance issue, per CLRO.						
03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010.						
09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3, LM1.45; previously rated "M".						
11/05/2008: Portion of rip rap collapsing.						
09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree.						
[2016 Site ID:RD2062U03RM31.28]						

Photo 2 of 2 : SP_2017_RD2062_311_43_20170313_00028.jpg



Front view of the site. Note the existing broken concrete on the upper levee slope as well as on the lower slope and at the toe.

LM Start	1.61	Rating **	M	Issue No.	29
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.820833 °	37.820833 °
				-121.373152 °	-121.373152 °
DWR ID	DWR_RD2062_03_s _ 2016_29				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2062_311_29_20170313_00018.jpg



View of a tire rut on the landside levee hinge.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	1.66	Rating **	M	Issue No.	41
LM End	1.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820863 °	37.820481 °
				-121.372277 °	-121.369421 °
DWR ID	DWR_RD2062_03_f_2016_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2062_311_41_20170405_00047.jpg



View of the vegetation on the landside levee slope.

LM Start	2.12	Rating **	C	Issue No.	40
LM End	2.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.818620 °	37.818620 °
				-121.364830 °	-121.364830 °
DWR ID	DWR_RD2062_03_f_2016_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
LMA corrected the erosion of levee due to break in the pipe.					

No Photos

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	2.77	Rating **	M	Issue No.	45
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816362 °	37.816362 °
				-121.354339 °	-121.354339 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23311 DS_ID:19202 EP_NO: 2505 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pumphouse roof missing.- siphon breaker buried by dirt in CMP riser.- 2.25 inch electric conduit and power pole on landside. FIELD_STRUCT_DESC: 2 of 2: 16-inch and 14-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. (App. No. 2505) FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_23311_40175.jpg



WS view: wooden walkway to pumphouse, pumphouse on wooden pile structure in the stream.

LM Start	2.77	Rating **	M	Issue No.	45 (cont)
LM End	2.77	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23311_40174.jpg



WS view: exposed steel pipes and an electric conduit on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2062 Stewart

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	2.77	Rating **	M	Issue No.	46 (cont)
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816362 °	37.816362 °
				-121.354334 °	-121.354334 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23312 DS_ID:19205 EP_NO: 2505 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pumphouse roof missing.- siphon breaker buried by dirt in CMP riser.- 2.25 inch electric conduit and power pole on landside. FIELD_STRUCT_DESC: 1 of 2: 14-inch and 16-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. Timber bulkhead and slab on the waterward slope. Timber bulkhead and slab on the waterward slope. Installed by the United States Army Corps of Engineers, 1963. (App. No. 2505) FS Date: 10/22/2013					

LM Start	2.77	Rating **	M	Issue No.	46 (cont)
LM End	2.77	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23312_40179.jpg



WS view: exposed steel pipes and a electric conduit on levee slope.

Photo 3 of 3 : UCIP_SP_2017_23312_40180.jpg



LS view: two CMP risers on levee slope, concrete distribution box, and service pole across the dirt road, off the levee toe.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	3.21	Rating **	A	Issue No.	15
LM End	3.36	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.819923 °	37.819433 °
				-121.348350 °	-121.346213 °
DWR ID	DWR_RD2062_03_s_2017_15				
Comment Code					
Inspector Comment					
LMA installed seepage blanket in February 2017.					

Photo 1 of 1 : SP_2017_RD2062_311_15_20170405_00046.jpg



View of the seepage blanket on the levee slope and toe.

LM Start	3.40	Rating **	M	Issue No.	39
LM End	3.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819007 °	37.817526 °
				-121.345610 °	-121.343479 °
DWR ID	DWR_RD2062_03_f_2016_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Clear tumbleweeds from levee toe.					

Photo 1 of 1 : SP_2017_RD2062_311_39_20170405_00045.jpg



View of the vegetation at the landside levee toe.

LM Start	3.52	Rating **	A	Issue No.	14
LM End	3.61	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.817956 °	37.816948 °
				-121.344041 °	-121.342931 °
DWR ID	DWR_RD2062_03_s_2017_14				
Comment Code					
Inspector Comment					
LMA installed seepage blanket in February 2017.					

Photo 1 of 1 : SP_2017_RD2062_311_14_20170405_00044.jpg



View of the seepage blanket on levee slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

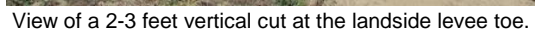
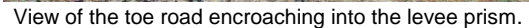
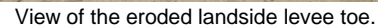
**** Rating**

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

Reclamation District No. 2062 Stewart



**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	5.37	Rating **	M	Issue No.	47
LM End	5.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.807305 °	37.807305 °
				-121.331290 °	-121.331290 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23142 DS_ID:19203 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse. FIELD_STRUCT_DESC: 1 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Siphon breakers on the landward slope. Concrete distribution box on landside berm. FS Date: 10/22/2013					

LM Start	5.37	Rating **	M	Issue No.	47 (cont)
LM End	5.37	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23142_39549.jpg



WS view: steel walkway to pump house in the stream.

Photo 2 of 3 : UCIP_SP_2017_23142_39548.jpg



WS view: two 16-inch pipes under walkway. Gate valve without handle on one of the pipes.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	5.37	Rating **	M	Issue No.	47 (cont)	
LM End	5.37	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.807305 °	37.807305 °	
				-121.331290 °	-121.331290 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23142 DS_ID:19203 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse. FIELD_STRUCT_DESC: 1 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Siphon breakers on the landward slope. Concrete distribution box on landside berm. FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_23142_39547.jpg



WS view: pump house on wooden pipe structure in the stream. Two steel pipes under the walkway.

LM Start	5.37	Rating **	M	Issue No.	48
LM End	5.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.807305 °	37.807305 °
				-121.331276 °	-121.331276 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23140 DS_ID:19206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Walkway to the pumphouse. Siphon breakers on the landward slope. Concrete distribution box on landside berm. FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_23140_39531.jpg



WS view: steel walkway to pump house in the stream.

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

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	03/29/2017 03/29/2017	Maksim Khashchuk

LM Start	5.37	Rating **	M	Issue No.	48 (cont)	
LM End	5.37	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.807305 °		37.807305 °
				-121.331276 °		-121.331276 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23140 DS_ID:19206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breakers not protected.- flow meter and gage station on waterside.- pump house on wooden pile structure. Walkway to the pumphouse. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Walkway to the pumphouse. Siphon breakers on the landward slope. Concrete distribution box on landside berm. FS Date: 10/22/2013						

LM Start	5.37	Rating **	M	Issue No.	48 (cont)
LM End	5.37	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23140_39530.jpg



WS view: two 16-inch pipes under walkway. Gate valve without handle on one of the pipes.

Photo 3 of 3 : UCIP_SP_2017_23140_39529.jpg



WS view: pump house on wooden pipe structure in the stream. Two steel pipes under the walkway.

* 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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