

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2016 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.

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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 2016 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	4/20/2016 - 4/20/2016			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Lyn Hale RD2062			
	John 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	04/20/2016 04/20/2016	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.					

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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Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	7
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807450 °	37.789392 °
				-121.328023 °	-121.308986 °
DWR ID	DWR_RD2062_01_s_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

A gravel path leads from the foreground into a grassy field. To the right of the path, there is a dense patch of tall, dry grass and some flowering plants. In the background, a line of trees separates the field from a body of water, likely a river or lake. The sky is clear and blue. A date stamp '01/20/2015' is visible in the bottom right corner of the image.

View of the vegetation on the waterside levee slope.

LM Start	0.72	Rating **	A/W	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.						

A wide-angle photograph of a sandy beach and dunes. The foreground is a vast, flat expanse of light-colored sand, showing some tire tracks and footprints. In the middle ground, a large, rounded sand dune rises, its surface also sandy and textured. To the left of the dune, there are some dark green trees and a small building partially visible. To the right, more trees are scattered along the horizon. The sky is filled with heavy, grey clouds, suggesting an overcast day. In the bottom right corner, there is a yellow date stamp that reads '05/21/2015'.

View of the new patrol road installation in process.

* 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

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	04/20/2016 04/20/2016	Maksim Khashchuk

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			37.793497 °	37.793497 °
				-121.315340 °	-121.315340 °
DWR ID					

Comment Code

[illegible]

Inspector Comment	
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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.	11 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

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

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

* 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**

Unit Cover Sheet

Spring 2016 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	4/20/2016 - 4/20/2016			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Lyn Hale RD2062			
	John Hale RD2062			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.56	Rating **	M	Issue No.	24
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.	24 (cont)
LM End	0.56	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_23110_39398.jpg



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

Photo 2 of 2 : UCIP_SP_2016_23110_39397.jpg



WS view: exposed steel pipe and damaged siphon breaker 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.75	Rating **	M	Issue No.	25
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.	25 (cont)
LM End	0.75	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_23181_39792.jpg



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

Photo 2 of 2 : UCIP_SP_2016_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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.37	Rating **	M	Issue No.	23
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:23062 DS_ID:19193 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pumphouse on concrete sump in the channel.- erosion under walkway on waterside. FIELD_STRUCT_DESC: 20-inch pipe through the levee 8 feet below the crown. Pump house on the waterward slope and a metal walkway from the pump house to the crown. Flap gate, air vent, and concrete distribution box on the landward slope. FS Date: 10/22/2013					

LM Start	1.37	Rating **	M	Issue No.	23 (cont)
LM End	1.37	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_23062_39195.jpg



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

Photo 2 of 2 : UCIP_SP_2016_23062_39194.jpg



WS view: leaky pump and control box in pumphouse.

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	22
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:23061 DS_ID:19194 EP_NO: 4305 Repair Type: Urgent Crossing Status: Found UCIP Comments: - missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. FIELD_STRUCT_DESC: 1 of 2: Two 18-inch pipes through the levee 4.8 feet below the crown. Pump house on the waterward slope. Siphon breaker on the landward shoulder. Power pole on the landward shoulder. Concrete distribution box at the toe of the landward slope. (App. No. 4305) FS Date: 10/22/2013					

LM Start	1.64	Rating **	U	Issue No.	22 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_23061_39187.jpg



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

Photo 2 of 2 : UCIP_SP_2016_23061_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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.64	Rating **	U	Issue No.	21
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:23059					
DS_ID:19197					
EP_NO: 4305					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside.					
FIELD_STRUCT_DESC: 2 of 2: Two 18-inch pipes through the levee 4.8 feet below the crown. Pump house on the waterward slope. Siphon breaker on the landward shoulder. Power pole on the landward shoulder. Concrete distribution box at the toe of the landward slope.					
(App. No. 4305)					
FS Date: 10/22/2013					

LM Start	1.64	Rating **	U	Issue No.	21 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_23059_39176.jpg



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

Photo 2 of 2 : UCIP_SP_2016_23059_39175.jpg



WS view: walkway in poor condition, to pumphouse.

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.92	Rating **	M	Issue No.	17
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.796348 °	37.804630 °
				-121.358668 °	-121.379001 °
DWR ID	DWR_RD2062_02_s _ 2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.84	Rating **	N	Issue No.	3
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.803827 °	37.803827 °
				-121.372424 °	-121.372424 °
DWR ID	DWR_RD2062_02_s _ 2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Three small tree stumps.					

Photo 1 of 1 : SP_2016_RD2062_310_3_20160229_00001.jpg



Three small stumps on levee slope.

LM Start	2.88	Rating **	N	Issue No.	13
LM End	2.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804060 °	37.804060 °
				-121.373245 °	-121.373245 °
DWR ID	DWR_RD2062_02_s _ 2012_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Four small oak stumps on levee slope.					

Photo 1 of 1 : SP_2016_RD2062_310_13_20160229_00003.jpg



View of tree stumps on waterside slope. 05/17/2012

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	2.98	Rating **	N	Issue No.	14
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804452 °	37.804452 °
				-121.374903 °	-121.374903 °
DWR ID	DWR_RD2062_02_s _ 2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_310_14_20160229_00004.jpg



View of the tree stump in the middle of the photo.

LM Start	3.01	Rating **	N	Issue No.	15
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804481 °	37.804481 °
				-121.375510 °	-121.375510 °
DWR ID	DWR_RD2062_02_s _ 2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_310_15_20160229_00005.jpg



View of the tree stumps on the waterside levee slope.

LM Start	3.20	Rating **	M	Issue No.	16
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.804630 °	37.804630 °
				-121.379001 °	-121.379001 °
DWR ID	DWR_RD2062_02_s _ 2016_16				
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 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

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

Photo 1 of 2 : UCIP_SP_2016_23304_40147.jpg



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

Photo 2 of 2 : UCIP_SP_2016_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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	20
LM End	3.24	Issue Type +	En	Location *	LS
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.	20 (cont)
LM End	3.24	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_23023_39082.jpg



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

Photo 2 of 2 : UCIP_SP_2016_23023_39081.jpg



WS view: closer view of 18-inch pipe with siphon breaker 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

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

Photo 1 of 2 : UCIP_SP_2016_23305_40153.jpg



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

Photo 2 of 2 : UCIP_SP_2016_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 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	3.42	Rating **	M	Issue No.	12
LM End	3.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805456 °	37.806784 °
				-121.382809 °	-121.388437 °
DWR ID	DWR_RD2062_02_s _ 2016_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.42	Rating **	M	Issue No.	11
LM End	3.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805456 °	37.808525 °
				-121.382809 °	-121.390461 °
DWR ID	DWR_RD2062_02_s _ 2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_310_11_20160421_00030.jpg



View of the vegetation on the landside levee slope.

LM Start	3.64	Rating **	M	Issue No.	8
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.806347 °	37.806347 °
				-121.386692 °	-121.386692 °
DWR ID	DWR_RD2062_02_s _ 2014_8				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_310_8_20160229_00002.jpg



View of the erosion from surface runoff on the waterside levee slope.

* 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**

Unit Cover Sheet

Spring 2016 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	4/20/2016 - 4/20/2016			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Lyn Hale RD2062			
	John 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.00	Rating **	U	Issue No.	8
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809673 °	37.809673 °
				-121.390321 °	-121.390321 °
DWR ID	DWR_RD2062_03_s_2016_8				
Comment Code					
Inspector Comment					
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. [2015 Site ID:RD2062U03RM29.93]					

LM Start	0.00	Rating **	U	Issue No.	8 (cont)
LM End	0.09	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_8_20160229_00013.jpg



Front view of the erosion.

Photo 2 of 3 : SP_2016_RD2062_311_8_20160229_00014.jpg



Close view of the erosion.

Photo 3 of 3 : SP_2016_RD2062_311_8_20160229_00015.jpg



Front 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.08	Rating **	N	Issue No.	3
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.809727 °	37.809727 °
				-121.389100 °	-121.389100 °
DWR ID	DWR_RD2062_03_f_2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_3_20160229_00006.jpg



View of tree stumps on waterside slope.

LM Start	0.09	Rating **	M	Issue No.	37
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809783 °	37.812930 °
				-121.388953 °	-121.382901 °
DWR ID	DWR_RD2062_03_s_2016_37				
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 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.10	Rating **	U	Issue No.	9	
LM End	0.11	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810052 °	37.810052 °	
				-121.388847 °	-121.388847 °	
DWR ID	DWR_RD2062_03_s _ 2016_9					
Comment Code						
Inspector Comment						
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. [2015 Site ID:RD2062U03RM30.02]						

LM Start	0.10	Rating **	U	Issue No.	9 (cont)
LM End	0.11	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_9_20160229_00016.jpg



Close view of the site. Note the vegetation.

Photo 2 of 3 : SP_2016_RD2062_311_9_20160229_00017.jpg



Front view of 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.10	Rating **	U	Issue No.	9 (cont)	
LM End	0.11	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810052 °	37.810052 °	
				-121.388847 °	-121.388847 °	
DWR ID	DWR_RD2062_03_s_2016_9					
Comment Code						
Inspector Comment						
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. [2015 Site ID:RD2062U03RM30.02]						

Photo 3 of 3 : SP_2016_RD2062_311_9_20160229_00018.jpg



View of the site from downstream.

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					

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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.18	Rating **	M	Issue No.	13
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810468 °	37.810468 °
				-121.387492 °	-121.387492 °
DWR ID	DWR_RD2062_03_s_2016_13				
Comment Code					
Inspector Comment					
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.					
[2015 Site ID:RD2062U03RM30.1]					

Photo 1 of 2 : SP_2016_RD2062_311_13_20160229_00023.jpg



Direct view of the site.

LM Start	0.18	Rating **	M	Issue No.	13 (cont)
LM End	0.18	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_RD2062_311_13_20160229_00024.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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.22	Rating **	U	Issue No.	17
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810609 °	37.810609 °
				-121.385879 °	-121.385879 °
DWR ID	DWR_RD2062_03_s _ 2016_17				

Comment Code

Inspector Comment

06/25/2015: No significant change observed.
 07/02/2014: No significant change observed.
 08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff.
 08/07/2012: The site has been visited by boat survey. No significant change observed
 08/23/2011: No significant change observed on site. Dense vegetation is visible along the water line.
 09/07/2010: No significant change observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events.
 08/06/2010: Recommended as local maintenance issue, per CLRO.
 03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year.
 09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of the site, per CLRO CES Evaluation 2008 Report; previously rated "M".
 11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2015 Site ID:RD2062U03RM30.19]

LM Start	0.22	Rating **	U	Issue No.	17 (cont)
LM End	0.31	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_17_20160229_00026.jpg



Front view of the existing erosion at the toe.

Photo 2 of 3 : SP_2016_RD2062_311_17_20160229_00027.jpg



View of the pocket erosion and the tree.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.22	Rating **	U	Issue No.	17 (cont)
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810609 °	37.810609 °
				-121.385879 °	-121.385879 °
DWR ID	DWR_RD2062_03_s _ 2016_17				

Comment Code

Inspector Comment

06/25/2015: No significant change observed.
 07/02/2014: No significant change observed.
 08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff.
 08/07/2012: The site has been visited by boat survey. No significant change observed
 08/23/2011: No significant change observed on site. Dense vegetation is visible along the water line.
 09/07/2010: No significant change observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events.
 08/06/2010: Recommended as local maintenance issue, per CLRO.
 03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year.
 09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of the site, per CLRO CES Evaluation 2008 Report; previously rated "M".
 11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2015 Site ID:RD2062U03RM30.19]

Photo 3 of 3 : SP_2016_RD2062_311_17_20160229_00028.jpg



Close view of the pocket erosion.

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.35	Rating **	M	Issue No.	1
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.811281 °	37.811281 °
				-121.384461 °	-121.384461 °
DWR ID	DWR_RD2062_03_s_2016_1				
Comment Code					
Inspector Comment					
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. [2015 Site ID:RD2062U03RM30.27]					

LM Start	0.35	Rating **	M	Issue No.	1 (cont)
LM End	0.35	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_RD2062_311_1_20160229_00001.jpg



Front view of the erosion.

Photo 2 of 2 : SP_2016_RD2062_311_1_20160229_00002.jpg



Close view of the site. Note the piled concrete debris.

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.51	Rating **	M	Issue No.	38
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.812552 °	37.812552 °
				-121.382781 °	-121.382781 °
DWR ID	DWR_RD2062_03_s_2016_38				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_38_20160421_00053.jpg



View of the landside levee slope erosion around the pipe.

LM Start	0.51	Rating **	U	Issue No.	39
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:23306 DS_ID:19200 EP_NO: 2029 Repair Type: Urgent Crossing Status: Found UCIP Comments: - 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. FIELD_STRUCT_DESC: 16-inch pipe through the levee 8 feet below the crown, siphon breaker on the landward slope. Pump house on the waterward slope. Distribution box on the landside. (App. No. 2029) FS Date: 10/22/2013					

Photo 1 of 2 : UCIP_SP_2016_23306_40158.jpg



WS view: pump house on levee slope and soil erosion 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.51	Rating **	U	Issue No.	39 (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:23306 DS_ID:19200 EP_NO: 2029 Repair Type: Urgent Crossing Status: Found UCIP Comments: - 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. FIELD_STRUCT_DESC: 16-inch pipe through the levee 8 feet below the crown, siphon breaker on the landward slope. Pump house on the waterward slope. Distribution box on the landside. (App. No. 2029) FS Date: 10/22/2013						

Photo 2 of 2 : UCIP_SP_2016_23306_40157.jpg



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

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	2
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 2016 2				

Comment Code

Inspector Comment

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. [2015 Site ID:RD2062U03RM30.43]

LM Start	0.55	Rating **	M	Issue No.	2 (cont)
LM End	0.56	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_2_20160229_00003.jpg



Front view of the site.

Photo 2 of 3 : SP_2016_RD2062_311_2_20160229_00004.jpg



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

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	2 (cont)	
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 _ 2016_2					
Comment Code						
Inspector Comment						
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. [2015 Site ID:RD2062U03RM30.43]						

Photo 3 of 3 : SP_2016_RD2062_311_2_20160229_00005.jpg



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

LM Start	0.61	Rating **	N	Issue No.	10
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813570 °	37.813570 °
				-121.382094 °	-121.382094 °
DWR ID	DWR_RD2062_03_s _ 2012_10				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump in slope.					

Photo 1 of 1 : SP_2016_RD2062_311_10_20160229_00019.jpg



05/11/2011 Stump in slope, new growth in center of photo is at the location of the stump.

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.64	Rating **	N	Issue No.	12
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813894 °	37.813894 °
				-121.381680 °	-121.381680 °
DWR ID	DWR_RD2062_03_s_2012_12				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
2 stumps on waterside slope.					

Photo 1 of 1 : SP_2016_RD2062_311_12_20160229_00022.jpg



View of the tree stumps on the waterside levee slope.

LM Start	0.81	Rating **	A/W	Issue No.	11
LM End	0.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.816315 °	37.816315 °
				-121.381587 °	-121.381587 °
DWR ID	DWR_RD2062_03_s_2012_11				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Cracking developing along the waterside levee hinge.					

Photo 1 of 2 : SP_2016_RD2062_311_11_20160229_00020.jpg



View of slope erosion from foot traffic.

LM Start	0.81	Rating **	A/W	Issue No.	11 (cont)
LM End	0.81	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_RD2062_311_11_20160229_00021.jpg



View of cracking at waterside levee hinge.

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.04	Rating **	M	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					

Photo 1 of 1 : SP_2016_RD2062_311_36_20160421_00054.jpg



View of the tree at the landside levee toe.

LM Start	1.05	Rating **	A/W	Issue No.	34
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.817897 °	37.817897 °
				-121.378649 °	-121.378649 °
DWR ID	DWR_RD2062_03_f_2015_34				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA grouted rodent burrows.					

Photo 1 of 1 : SP_2016_RD2062_311_34_20160229_00033.jpg



View of the rodent burrows at the landside 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.18	Rating **	U	Issue No.	4
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 2016 4				

Comment Code

Inspector Comment

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. [2015 Site ID:RD2062U03RM31.12]

LM Start	1.18	Rating **	U	Issue No.	4 (cont)
LM End	1.19	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_RD2062_311_4_20160229_00007.jpg



Close view of the site.

Photo 2 of 2 : SP_2016_RD2062_311_4_20160229_00008.jpg



Front 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.31	Rating **	M	Issue No.	32
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.820390 °	37.820390 °
				-121.377148 °	-121.377148 °
DWR ID	DWR_RD2062_03_s_2016_32				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_32_20160421_00052.jpg



View of the tire tracks on the waterside levee slope.

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_2016_RD2062_311_18_20160229_00029.jpg



05/11/2011 Elderberry bush on water side 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.39	Rating **	U	Issue No.	5
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 _ 2016_5				
Comment Code					
Inspector Comment					
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.					
[2015 Site ID:RD2062U03RM31.28]					

LM Start	1.39	Rating **	U	Issue No.	5 (cont)
LM End	1.40	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_5_20160229_00009.jpg



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

Photo 2 of 3 : SP_2016_RD2062_311_5_20160229_00010.jpg



A closer view of the 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.39	Rating **	U	Issue No.	5 (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 _ 2016_5					
Comment Code						
Inspector Comment						
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.						
[2015 Site ID:RD2062U03RM31.28]						

Photo 3 of 3 : SP_2016_RD2062_311_5_20160229_00011.jpg



Front view of the site.

LM Start	1.50	Rating **	N	Issue No.	14
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.821388 °	37.821388 °
				-121.374947 °	-121.374947 °
DWR ID	DWR_RD2062_03_s _ 2012_14				
Comment Code					
T5 : Tree stumps.					
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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

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_2016_RD2062_311_29_20160421_00051.jpg



View of a tire rut on the landside levee hinge.

LM Start	1.66	Rating **	N	Issue No.	15
LM End	1.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820890 °	37.820890 °
				-121.372227 °	-121.372227 °
DWR ID	DWR_RD2062_03_s _ 2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_15_20160229_00025.jpg



View of the tree stump on the waterside levee slope.

LM Start	1.75	Rating **	N	Issue No.	16
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820902 °	37.820902 °
				-121.370565 °	-121.370565 °
DWR ID	DWR_RD2062_03_s _ 2012_16				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	2.51	Rating **	A/W	Issue No.	30
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.816930 °	37.816930 °
				-121.359025 °	-121.359025 °
DWR ID	DWR_RD2062_03_f_2015_30				
Comment Code					
Inspector Comment					
LMA grouted the rodent burrow.					

Photo 1 of 1 : SP_2016_RD2062_311_30_20160229_00031.jpg



View of the rodent hole on the landside levee slope.

LM Start	2.77	Rating **	M	Issue No.	40
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 2 : UCIP_SP_2016_23311_40175.jpg



WS view: wooden walkway to pumphouse, pumphouse on wooden pile structure 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	2.77	Rating **	M	Issue No.	40 (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 °
				-121.354339 °	-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 2 of 2 : UCIP_SP_2016_23311_40174.jpg



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

LM Start	2.77	Rating **	M	Issue No.	41
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					

Photo 1 of 2 : UCIP_SP_2016_23312_40181.jpg



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

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	2.77	Rating **	M	Issue No.	41 (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						

Photo 2 of 2 : UCIP_SP_2016_23312_40179.jpg



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

LM Start	2.79	Rating **	N	Issue No.	22
LM End	2.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816341 °	37.816341 °
				-121.354008 °	-121.354008 °
DWR ID	DWR_RD2062_03_s_2012_22				
Comment Code					
T5 : Tree stumps.					
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		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	2.85	Rating **	N	Issue No.	23
LM End	2.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816330 °	37.816330 °
				-121.352775 °	-121.352775 °
DWR ID	DWR_RD2062_03_s _ 2012_23				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.04	Rating **	N	Issue No.	25
LM End	3.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817791 °	37.817791 °
				-121.350088 °	-121.350088 °
DWR ID	DWR_RD2062_03_s _ 2012_25				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.10	Rating **	N	Issue No.	26
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818532 °	37.818532 °
				-121.349510 °	-121.349510 °
DWR ID	DWR_RD2062_03_s _ 2012_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_26_20160229_00030.jpg



View of the tree stump on the waterside 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	3.61	Rating **	M	Issue No.	31
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.816982 °	37.816541 °
				-121.342939 °	-121.342191 °
DWR ID	DWR_RD2062_03_s _ 2015_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
About a 3 ft vertical cut at the levee toe into the levee prism.					

Photo 1 of 1 : SP_2016_RD2062_311_31_20160229_00032.jpg



View of the eroded landside levee toe.

LM Start	4.14	Rating **	N	Issue No.	33
LM End	4.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820407 °	37.820407 °
				-121.338122 °	-121.338122 °
DWR ID	DWR_RD2062_03_s _ 2012_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.75	Rating **	N	Issue No.	7
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813986 °	37.813986 °
				-121.335821 °	-121.335821 °
DWR ID	DWR_RD2062_03_s _ 2012_7				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
14" stump on landside slope.					

Photo 1 of 1 : SP_2016_RD2062_311_7_20160229_00012.jpg



10/21/2011 Photo taken the next day. Stump can be seen in the lower center of the photo.

* 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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	4.83	Rating **	M	Issue No.	35
LM End	4.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.812849 °	37.811682 °
				-121.336116 °	-121.336271 °
DWR ID	DWR_RD2062_03_f_2014_35				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
2 to 3 feet vertical cut possibly caused by previous floods.					

Photo 1 of 1 : SP_2016_RD2062_311_35_20160229_00034.jpg



View of a 2-3 feet vertical cut at the landside levee toe.

LM Start	5.16	Rating **	M	Issue No.	28	
LM End	5.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.808340 °		37.808340 °
				-121.334932 °		-121.334932 °
DWR ID	DWR_RD2062_03_s_2016_28					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						

Photo 1 of 1 : SP_2016_RD2062_311_28_20160421_00050.jpg



View of the vehicle tracks on the landside 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	5.37	Rating **	M	Issue No.	43
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.	43 (cont)
LM End	5.37	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_23142_39549.jpg



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

Photo 2 of 2 : UCIP_SP_2016_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 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	5.37	Rating **	M	Issue No.	42
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.	42 (cont)
LM End	5.37	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_23140_39531.jpg



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

Photo 2 of 2 : UCIP_SP_2016_23140_39530.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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