

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2014 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

	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 2014 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Left	2.37

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/23/2014 - 05/23/2014			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Robert Brown RD2107			

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 2014

Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River		Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2107_01_s_2013_5				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2107_01_s_2013_7				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2107_01_s_2013_8				
Action/Comments					

No Photos

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.03	Rating **	N	Issue No.	1
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.786993 °	37.786993 °
				-121.308694 °	-121.308694 °
DWR ID	DWR_RD2107_01_s_2012_1				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : mkhashch_s_20140428_00909.jpg



Photo of waterside slope. Stumps present from prior tree removal for access and visibility.

LM Start	0.23	Rating **	M	Issue No.	3
LM End	0.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784586 °	37.784586 °
				-121.306837 °	-121.306837 °
DWR ID	DWR_RD2107_01_s_2014_3				
Action/Comments					
Inspector Comments: FS_ID:15175 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: No permit identified. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 8-inch steel conduit 1-foot below the road surface within roadway fill over levee crown. Visible on Upstream side of bridge. FS Date: 5/22/2013					

No Photos

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.23	Rating **	M	Issue No.	4
LM End	0.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784586 °	37.784586 °
				-121.306837 °	-121.306837 °
DWR ID	DWR_RD2107_01_s_2014_4				
Action/Comments					
Inspector Comments: FS_ID:15174 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 1.5-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013					

No Photos

LM Start	0.23	Rating **	M	Issue No.	13
LM End	0.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784586 °	37.784586 °
				-121.306837 °	-121.306837 °
DWR ID	DWR_RD2107_01_s_2014_13				
Action/Comments					
Inspector Comments: FS_ID:15173 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: No permit identified for this crossing. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 1.5-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.23	Rating **	M	Issue No.	14
LM End	0.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784586 °	37.784586 °
				-121.306837 °	-121.306837 °
DWR ID	DWR_RD2107_01_s_2014_14				
Action/Comments					
Inspector Comments: FS_ID:16187 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: No permit identified. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 3-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013					

Photo 1 of 1 : UCIP_1418.jpg



Pipes visible on LS next to roadway.

LM Start	0.25	Rating **	M	Issue No.	76
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.784309 °	37.784309 °
				-121.306484 °	-121.306484 °
DWR ID	DWR_RD2107_01_f_2013_76				
Action/Comments					
Ditch Inspector Comments: Dugout in the waterside levee slope about 3 feet deep by 7 feet wide by 6 feet across. Recommend to backfill and compact.					

Photo 1 of 1 : mkhashch_s_20140428_00917.jpg



View of the ditch at the waterside levee toe.

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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.25	Rating **	N	Issue No.	2
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.784316 °	37.784316 °
				-121.306498 °	-121.306498 °
DWR ID	DWR_RD2107_01_s_2012_2				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : mkhashch_s_20140428_00910.jpg



Tree stumps present on slope. They were left from prior vegetation removal for access and visibility.

LM Start	0.27	Rating **	M	Issue No.	15
LM End	0.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784194 °	37.784194 °
				-121.306353 °	-121.306353 °
DWR ID	DWR_RD2107_01_s_2014_15				
Action/Comments					
Inspector Comments: FS_ID:16188 EP_NO: 12101B Repair Type: Crossing Status: UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 4" electrical conduit through the levee 2.5 feet below the crown. Distribution panel on a 5-foot by 6-foot concrete pad on the WS shoulder (Permit No 12101B, 1979). FS Date: 5/21/2013					

Photo 1 of 1 : UCIP_1419.jpg



5X5 concrete pad with exposed electrical conduit on WS shoulder.

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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River		Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.42	Rating **	M	Issue No.	54
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.782737 °	37.782737 °	
			-121.304426 °	-121.304426 °	
DWR ID	DWR_RD2107_01_s_2012_54				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Large elderberry on water side slope.					

Photo 1 of 1 : mkhashch_s_20140428_00916.jpg



03/26/2012 Large elderberry located on water side slope.

LM Start	0.68	Rating **	M	Issue No.	16
LM End	0.68	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.779486 °	37.779486 °	
			-121.301960 °	-121.301960 °	
DWR ID	DWR_RD2107_01_s_2014_16				
Action/Comments					
Inspector Comments: FS_ID:13684 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Wooden walkway to pump on platform is in disrepair and may be a hazard. FIELD_STRUCT_DESC: 1 of 2: 14-inch pipe through the levee 17.0 feet below the crown. Pump on pile structure in the stream. Walkway to pump. Slide gate in 48-inch CMP riser on WS shoulder. 36-inch concrete standpipe at the landward toe. Service pole and circuit panel on landward toe. Originally included in O&M manual, 1964. FS Date: 5/21/2013					

Photo 1 of 1 : UCIP_913.jpg



Walkway to pump on pier at WS.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.70	Rating **	M	Issue No.	18
LM End	0.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779209 °	37.779209 °
				-121.301973 °	-121.301973 °
DWR ID	DWR_RD2107_01_s_2014_18				
Action/Comments					
Inspector Comments: FS_ID:13883 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Slide gate missing actuator inside 55-inch CMP riser. FIELD_STRUCT_DESC: 14-inch pipe through the levee, 15.0 feet below the crown. Pipe likely runs from 36-inch concrete standpipe on LS to outlet on WS toe. Portion of the discharge line from the pump at Levee Mile 0.68. 55-inch CMP riser with slide gate on LS shoulder. Originally included in O&M manual, 1964. FS Date: 5/21/2013					

Photo 1 of 1 : UCIP_934.jpg



36-inch concrete standpipe on LS toe.

LM Start	0.76	Rating **	M	Issue No.	10
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.778819 °	37.778819 °
				-121.302848 °	-121.302848 °
DWR ID	DWR_RD2107_01_s_2013_10				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : mkhashch_s_20140428_00913.jpg



View of the eroding waterside levee slope.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	1.24	Rating **	M	Issue No.	17
LM End	1.24	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.774123 °	37.774123 °	
			-121.307189 °	-121.307189 °	
DWR ID	DWR_RD2107_01_s_2012_17				
Action/Comments					
Landscaping Inspector Comments: Landscaping and fence present on levee slope.					

Photo 1 of 1 : mkhashch_s_20140527_01056.jpg



View of landscape planting on landside levee slope and a 3-ft yard fence at the levee toe.

LM Start	1.46	Rating **	M	Issue No.	19
LM End	1.46	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.771939 °	37.771939 °	
			-121.305063 °	-121.305063 °	
DWR ID	DWR_RD2107_01_s_2014_19				
Action/Comments					
Inspector Comments: FS_ID:13667 EP_NO: 12790 Repair Type: Crossing Status: UCIP Comments: Verify with electricity provider that electric service is overhead and not through the levee. FIELD_STRUCT_DESC: 1 of 3: Possible underground electrical conduit through the levee at unknown depth. Overhead power line on site likely installed instead of underground. (Permit No. 12790, 1981). FS Date: 5/21/2013					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River		Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	1.48	Rating **	M	Issue No.	20
LM End	1.48	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.771735 °	37.771735 °	
			-121.304847 °	-121.304847 °	
DWR ID	DWR_RD2107_01_s_2014_20				
Action/Comments					
Inspector Comments: FS_ID:15179 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Pipe open on WS toe at the pump on pier. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 2.5 feet below the crown. Pump on pile structure in the stream. Walkway to the pump. FS Date: 5/21/2013					

Photo 1 of 1 : UCIP_1243.jpg



Metal pier on WS slope.

LM Start	1.48	Rating **	M	Issue No.	21
LM End	1.48	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.771735 °	37.771735 °	
			-121.304847 °	-121.304847 °	
DWR ID	DWR_RD2107_01_s_2014_21				
Action/Comments					
Inspector Comments: FS_ID:13650 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: No pump. Appears abandoned. Large hole under pipe on WS slope from animal activity. FIELD_STRUCT_DESC: 1 of 2: 18-inch PVC irrigation pipe through the levee 2.5 feet below the crown. Pump on pile structure in the stream. Walkway to the pump. Originally included O&M manual, 1964. FS Date: 5/21/2013					

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	2.21	Rating **	A/W	Issue No.	11
LM End	2.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.762868 °	37.762868 °
				-121.309708 °	-121.309708 °
DWR ID	DWR_RD2107_01_s_2012_11				
Action/Comments					
Pipe Inspector Comments: Irrigation intake pipe through levee freeboard.					

Photo 1 of 1 : mkhashch_s_20140428_00914.jpg



View of the pipe location; alignment through levee.

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

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles
Unit No. 02 Paradise Cut		Right	1.84

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/23/2014 - 05/23/2014			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Robert Brown			

Summer & Winter Inspections

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- a) completion of the inspection
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If additional items are noted, further documentation of those items must also be submitted.

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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.

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Levee Inspections**

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Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut		Right	1.84	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.26	Rating **	M	Issue No.	5
LM End	0.26	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.762612 °	37.762612 °	
			-121.313480 °	-121.313480 °	
DWR ID	DWR_RD2107_02_s_2014_5				
Action/Comments					
Inspector Comments: FS_ID:13637 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Pipe filled in with soil around outlet and not visible on LS. Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel storm drain pipe 16-feet below the crown with slide gate on WS toe. Originally included in O&M manual, 1964. FS Date: 5/21/2013					

Photo 1 of 1 : UCIP_907.jpg



Slide gate visible on WS toe.

LM Start	0.50	Rating **	M	Issue No.	4
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.764780 °	37.764780 °	
			-121.316717 °	-121.316717 °	
DWR ID	DWR_RD2107_02_s_2012_4				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush on waterside.					

Photo 1 of 1 : mkhashch_s_20140428_00925.jpg



Elderberry located on waterside slope.

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

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Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.54	Rating **	M	Issue No.	8
LM End	0.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.764832 °	37.764832 °
				-121.317405 °	-121.317405 °
DWR ID	DWR_RD2107_02_s_2014_8				
Action/Comments					
Inspector Comments: FS_ID:13636 EP_NO: 13161 Repair Type: Crossing Status: UCIP Comments: Some erosion along pipe alignment on WS slope. FIELD_STRUCT_DESC: 10-inch steel storm drain pipe through the levee 5-feet below the crown. Pump located on 36-inch concrete standpipe at LS toe. A PVC pipe runs parallel to waterward toe to train tracks. Air relief valve on waterward shoulder (Permit No. 13161, 1981). FS Date: 5/21/2013					

Photo 1 of 1 : UCIP_905.jpg



Walkway, pump, and pipe on LS slope.

LM Start	0.55	Rating **	A/W	Issue No.	2
LM End	0.55	Issue Type +	Ob	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.764831 °	37.764831 °
				-121.317446 °	-121.317446 °
DWR ID	DWR_RD2107_02_s_2012_2				
Action/Comments					
Pipe Inspector Comments: Drainage discharge pump and pipe through levee freeboard.					

Photo 1 of 2 : mkhashch_s_20140428_00923.jpg



Drainage discharge pump. Steel pipe penetrates levee freeboard. No flapgate on waterside. No closure device.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	0.55	Rating **	A/W	Issue No.	2 (cont)
LM End	0.55	Issue Type +	Ob	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.764831 °	37.764831 °
				-121.317446 °	-121.317446 °
DWR ID	DWR_RD2107_02_s_2012_2				
Action/Comments					
Pipe Inspector Comments: Drainage discharge pump and pipe through levee freeboard.					

Photo 2 of 2 : mkhashch_s_20140428_00924.jpg



View of siphon breaker causing some erosion on slope.

LM Start	1.05	Rating **	M	Issue No.	6
LM End	1.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.770171 °	37.770171 °
				-121.323161 °	-121.323161 °
DWR ID	DWR_RD2107_02_f_2012_6				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent hole does not appear to be active. Recommend backfilling with grout.					

Photo 1 of 1 : mkhashch_s_20140527_01057.jpg



View of a rodent hole on the levee crown.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2107 Mossdale Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut		Right	1.84	05/23/2014 05/23/2014	Maksim Khashchuk

LM Start	1.53	Rating **	M	Issue No.	10
LM End	1.53	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.774129 °	37.774129 °	
			-121.329896 °	-121.329896 °	
DWR ID	DWR_RD2107_02_s_2014_10				
Action/Comments					
Inspector Comments: FS_ID:13715 EP_NO: 2966 Repair Type: Crossing Status: UCIP Comments: Headwall around pipe at LS toe is failing and should be shored up. Flap gate propped open and should be returned to normal function. FIELD_STRUCT_DESC: 24-inch steel drain pipe through the levee 14 feet below the crown. Flap gate installed on the waterward end of the pipe and two standard reinforced concrete cutoff walls were placed around the pipe in line with the levee shoulders (Permit No. 2966, 1958). FS Date: 5/22/2013					

Photo 1 of 1 : UCIP_916.jpg



Headwall failing at drainage ditch on LS toe.

LM Start	1.53	Rating **	A/W	Issue No.	9
LM End	1.53	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.774193 °	37.774193 °	
			-121.329967 °	-121.329967 °	
DWR ID	DWR_RD2107_02_f_2012_9				
Action/Comments					
Pipe Inspector Comments: Irrigation Pipe					

Photo 1 of 1 : mkhashch_s_20140428_00927.jpg



View of irrigation pipe and canal.

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