

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin**

RD2107 Reclamation District No. 2107 Mossdale Island	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
	M *	4.15						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.14		0.14	3.37%	0.01			
Trim / Thin Trees	0.01		0.01	0.24%				
Encroachments					0.11			
Crown Surface / Depressions / Rutting		0.01	0.04	0.96%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.11	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.15	0.01	0.19	4.57% *	0.23	0.01	0.00	0.00

Unit No. 01 San Joaquin River LB RD2107	Overall Unit Rating	Total Unit Miles						
	A	2.33						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.14		0.14	6.00%	0.01			
Trim / Thin Trees	0.01		0.01	0.43%				
Encroachments					0.11			
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.10			
<i>Unit Totals:</i>	0.15	0.00	0.15	6.42%	0.22	0.00	0.00	0.00

Unit No. 02 Paradise Cut RB RD2107	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
	M *	1.82						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Crown Surface / Depressions / Rutting		0.01	0.04	2.20%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.01	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.00	0.01	0.04	2.20% *	0.01	0.01	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 2019 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)			M *	

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

\* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

† **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**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Left	2.33

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	5/10/2019 - 5/10/2019		9/26/2019 - 9/26/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Robert Brown RD2107		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 - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		o	o	o
DWR ID	DWR_RD2107_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has flood fight training and an emergency response plan.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		o	o	o
DWR ID	DWR_RD2107_01_s_2013_7				
Comment Code					
Inspector Comment					
Flood fighting supplies are available on-site.					

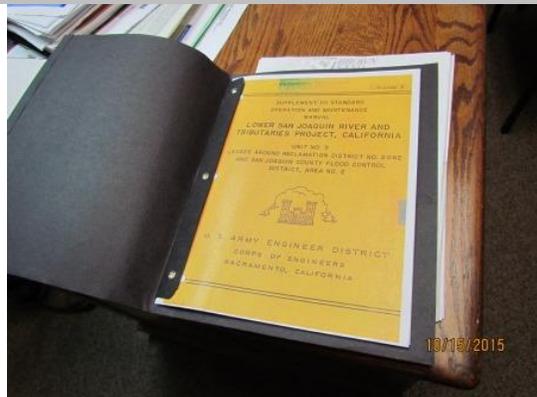
Photo 1 of 1 : FA\_2019\_RD2107\_329\_7\_20190830\_00001.jpg



View of the flood fight emergency supplies.

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		o	o	o
DWR ID	DWR_RD2107_01_s_2013_8				
Comment Code					
Inspector Comment					
The O&M Manual is available at the LMA's office.					

Photo 1 of 1 : FA\_2019\_RD2107\_329\_8\_20190830\_00002.jpg



View of the O&M Manual.

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>0.23</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.784586°	37.784586°
				-121.306837°	-121.306837°
DWR ID	23107				
Comment Code					
Inspector Comment					
DS_ID:23107 FS_ID:16187 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 3-inch polyvinyl chloride (PVC) conduit of an unknown purpose, 1 foot below the road surface, within roadway fill over the levee crown. FS Date: 5/22/2013					

Photo 1 of 1 : UCIP\_FA\_2019\_16187\_27294.jpg



Pipes visible on LS next to roadway.

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>0.23</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.784586°	37.784586°
				-121.306837°	-121.306837°
DWR ID	23108				
Comment Code					
Inspector Comment					
DS_ID:23108 FS_ID:15175 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 8-inch steel conduit of an unknown purpose, 1 foot below the road surface, within roadway fill over the levee crown. Visible on the upstream side of the bridge. FS Date: 5/22/2013					

Photo 1 of 1 : UCIP\_FA\_2019\_15175\_24922.jpg



Pipes visible on LS next to roadway.

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>0.23</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.784586°	37.784586°
				-121.306837°	-121.306837°
DWR ID	23109				
Comment Code					
Inspector Comment					
DS_ID:23109 FS_ID:15173 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 1.5-inch polyvinyl chloride (PVC) conduit of an unknown purpose, 1 foot below the road surface, within roadway fill over the levee crown. FS Date: 5/22/2013					

Photo 1 of 2 : UCIP\_FA\_2019\_15173\_24918.jpg



Pipes visible on LS next to roadway.

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_15173\_24917.jpg



Pipes visible on LS next to roadway.

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>0.36</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.784342°	37.783268°	
			-121.306528°	-121.305165°	
DWR ID	DWR_RD2107_01_f_2019_22				
Comment Code					
DE : Debris					
Inspector Comment					
Trash and debris are common on the waterside slope. RD coordinates with local law enforcement to minimize encroachments.					

Photo 1 of 1 : FA\_2019\_RD2107\_329\_22\_20190930\_00025.jpg



View of debris on waterside slope. Fall 2019

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>0.27</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.784194°	37.784194°	
			-121.306353°	-121.306353°	
DWR ID	19055				
Comment Code					
Inspector Comment					
DS_ID:19055 FS_ID:16188 EP_NO: 12101B Repair Type: Non-Urgent Crossing Status: Found 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\_FA\_2019\_16188\_27296.jpg



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

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>0.32</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.783649°	37.783649°	
			-121.305710°	-121.305710°	
DWR ID	DWR_RD2107_01_f_2015_20				
Comment Code					
BU : Building					
Inspector Comment					
Building in the floodway may impede flood flows.					

Photo 1 of 1 : FA\_2019\_RD2107\_329\_20\_20190830\_00006.jpg



View of the building in the floodway.

LM Start	<b>0.68</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>0.68</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.779486°	37.779486°	
			-121.301961°	-121.301961°	
DWR ID	19036				
Comment Code					
Inspector Comment					
DS_ID:19036 FS_ID:13684 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wooden walkway to pump on platform is in disrepair and may be a hazard. FIELD_STRUCT_DESC: 1 of 2: 14-inch irrigation pipe of an unknown material through the levee, 17 feet below the crown. Pump on pile structure in the stream. Walkway to pump. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. 36-inch concrete standpipe at the landside (LS) toe. Service pole and circuit panel on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 9, April 1964, (HLM 0.68), 12-inch pipe listed]. FS Date: 5/21/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_13684\_22411.jpg



Pier and 48-inch CMP riser on WS shoulder

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>1.23</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>1.23</b>	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				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_RD2107\_329\_17\_20190930\_00026.jpg



View of landscape vegetation on landside slope. Fall 2019

LM Start	<b>1.23</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2019\_RD2107\_329\_17\_20190830\_00004.jpg



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

LM Start	<b>1.30</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.44</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.773175°	37.772009°
				-121.307068°	-121.305187°
DWR ID	DWR_RD2107_01_f_2019_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>1.33</b>	Rating **	C	Issue No.	<b>21</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.772789°	37.772789°	
			-121.306875°	-121.306875°	
DWR ID	DWR_RD2107_01_s_2019_21				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	<b>1.34</b>	Rating **	A/W	Issue No.	<b>15</b>
LM End	<b>1.34</b>	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.772704°	37.772704°	
			-121.306793°	-121.306793°	
DWR ID	208-4				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:111					
Site Designation:208-4					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes: In 1997 there was heavy seepage at this location. In 2017 there was no seepage observed at this location.					

Photo 1 of 1 : FA\_2019\_RD2107\_329\_15\_20190830\_00003.jpg



View of the historic seepage site.

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>1.35</b>	Rating **	A/W	Issue No.	<b>18</b>
LM End	<b>1.45</b>	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.772470°	37.771910°
				-121.306820°	-121.304990°
DWR ID	208-1				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:113					
Site Designation:208-1					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes: No seepage observed in 2017.					

Photo 1 of 1 : FA\_2019\_RD2107\_329\_18\_20190830\_00005.jpg



View of the newly constructed seepage berm on the landside slope. Fall 2018.

LM Start	<b>1.41</b>	Rating **	C	Issue No.	<b>16</b>
LM End	<b>1.41</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.772133°	37.772133°
				-121.305662°	-121.305662°
DWR ID	DWR_RD2107_01_s_2019_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>1.45</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.771939°	37.771939°
				-121.305063°	-121.305063°
DWR ID	19031				
Comment Code					
Inspector Comment					
DS_ID:19031 FS_ID:13667 EP_NO: 12790 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Verify with electricity provider that electric service is overhead and not through the levee. FIELD_STRUCT_DESC: 1 of 3: Possible electrical conduit of an unknown size or material through the levee, at an unknown depth. Overhead power line on site likely installed instead of the underground conduit. (Permit No. 12790, 1980 - [owner not indicated in permit database]). FS Date: 5/21/2013					

No Photos

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.771735°	37.771735°
				-121.304847°	-121.304847°
DWR ID	19040				
Comment Code					
Inspector Comment					
DS_ID:19040 FS_ID:13650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump. Appears abandoned. Large hole under pipe on WS slope from animal activity. FIELD_STRUCT_DESC: 1 of 2: 18-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2.5 feet below the crown. Pump on pile structure in the stream. Walkway to the pump. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 9, April 1964, (HLM 1.49)]. FS Date: 5/21/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_13650\_22341.jpg



Pumping plant on metal pier on WS toe.

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.771735°	37.771735°
				-121.304847°	-121.304847°
DWR ID	19040				
Comment Code					
Inspector Comment					
DS_ID:19040 FS_ID:13650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump. Appears abandoned. Large hole under pipe on WS slope from animal activity. FIELD_STRUCT_DESC: 1 of 2: 18-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2.5 feet below the crown. Pump on pile structure in the stream. Walkway to the pump. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 9, April 1964, (HLM 1.49)]. FS Date: 5/21/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_13650\_22340.jpg



Large hole under pipe on WS slope.

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_13650\_22339.jpg



Pumping plant on metal pier on WS toe. Pipe visible on right under walkway.

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

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.33	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>1.47</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.771735°	37.771735°
				-121.304847°	-121.304847°
DWR ID	23106				
Comment Code					
Inspector Comment					
DS_ID:23106 FS_ID:15179 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found 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 3 of 3 : UCIP\_FA\_2019\_15179\_24933.jpg



Pipe open at pump on platform on WS.

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.771407°	37.771407°
				-121.304794°	-121.304794°
DWR ID	DWR_RD2107_01_s_2019_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2107 Mossdale Island**

Waterway		Bank	Unit Miles	
Unit No. 02 Paradise Cut		Right	1.82	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M *</b>	
Date of Inspection	5/10/2019 - 5/10/2019		9/26/2019 - 9/26/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Robert Brown RD2107		Robert Brown RD2107	

\* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2107 Mossdale Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.82	09/26/2019 09/26/2019	Alberto De Leon

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.764832°	37.764832°
				-121.317405°	-121.317405°
DWR ID	19058				
Comment Code					
Inspector Comment					
DS_ID:19058 FS_ID:13636 EP_NO: 13161 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some erosion along pipe alignment on WS slope. FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 5 feet below the crown. Pump located on a 36-inch concrete standpipe at the landside (LS) toe. A polyvinyl chloride (PVC) pipe runs parallel to the waterside (WS) toe to the train tracks. Air relief valve on the WS shoulder. (Permit No. 13161, 1981 - [owner not indicated in permit database]). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 5/21/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_13636\_22294.jpg



JP and meter on LS shoulder.

LM Start	<b>0.66</b>	Rating **	U	Issue No.	<b>6</b>
LM End	<b>0.66</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.765664°	37.765664°
				-121.319015°	-121.319015°
DWR ID	DWR_RD2107_02_f_2019_6				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Ruts on landside slope caused by farm equipment.					

Photo 1 of 1 : FA\_2019\_RD2107\_330\_6\_20190930\_00011.jpg



View of ruts caused by farm equipment on landside slope. Fall 2019

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