

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2015 Levee Inspection Results

Reclamation District No. 0150 Merrit 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 2015 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway		Bank	Unit Miles
Unit No. 01 Sutter Slough		Left	0.52

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2015 - 04/08/2015			
DWR Inspector	Pavel Kazi			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		o	o	o
DWR ID	DWR_RD0150_01_s_2013_4				
Action/Comments					
Inspector Comments: This LMA has the updated O&M manuals for their district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		o	o	o
DWR ID	DWR_RD0150_01_s_2013_5				
Action/Comments					
Inspector Comments: This LMA has adequate amount of flood fighting materials in a centralized location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		o	o	o
DWR ID	DWR_RD0150_01_s_2013_6				
Action/Comments					
Inspector Comments: The crew of this LMA had flood fighting training from DWR.					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.44	Rating **	M	Issue No.	2
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.328606 °	38.328091 °
				-121.577472 °	-121.576640 °
DWR ID	DWR_RD0150_01_f_2014_2				
Action/Comments					
Inspector Comments: 2013: Old toe repair unraveling. Bridge at upstream end of site. [2013 Site ID: STR_28-4_R]					

Photo 1 of 2 : SP_2015_RD0150_15_2_20150313_00001.jpg



USACE 2013 Photo #1

LM Start	0.44	Rating **	M	Issue No.	2 (cont)
LM End	0.49	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_15_2_20150313_00002.jpg



USACE 2013 Photo #2

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

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway		Bank	Unit Miles
Unit No. 02 Sacramento River		Right	7.81

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2015 - 04/08/2015			
DWR Inspector	Pavel Kazi			
Accompanied By				

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	382
LM End	7.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.328196 °	38.410374 °	
			-121.576333 °	-121.520192 °	
DWR ID	DWR_RD0150_02_s_2015_382				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD0150_16_382_20150413_00075.jpg



Vegetation on the waterside of the levee looking downstream.

LM Start	0.14	Rating **	A/W	Issue No.	5
LM End	4.77	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.329782 °	38.374641 °	
			-121.574769 °	-121.524730 °	
DWR ID	DWR_RD0150_02_s_2012_5				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	0.16	Rating **	M	Issue No.	49
LM End	0.16	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.330047 °	38.330047 °	
			-121.574538 °	-121.574538 °	
DWR ID	DWR_RD0150_02_s_2012_49				
Action/Comments					
Building					

Photo 1 of 1 : SP_2015_RD0150_16_49_20150313_00027.jpg



Building located on waterside of levee at LM 0.16

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.17	Rating **	M	Issue No.	990
LM End	0.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.330173 °	38.330576 °
				-121.574490 °	-121.574093 °
DWR ID	DWR_RD0150_02_s_2012_990				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_990_20150313_00057.jpg



Landscaping was found on the landside of the levee looking upstream.

LM Start	0.24	Rating **	M	Issue No.	2
LM End	0.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.330888 °	38.330888 °
				-121.573769 °	-121.573769 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42700 DS_ID:22416 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Dense vegetation on waterside. Seems abandoned pipe and pump. FIELD_STRUCT_DESC: Abandoned 10-inch steel pipe through the levee, 2.8 feet below the crown. Pump on landside. Concrete box on landside. O&M Manual SAC 112, March 1957. FS Date: 08/27/2013					

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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Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.25	Rating **	U	Issue No.	4
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.331035 °	38.331035 °	
			-121.573502 °	-121.573502 °	
DWR ID	DWR_RD0150_02_s_2012_4				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_4_20150313_00001.jpg



Landscaping on landward slope at LM 0.25 blocking view of levee slope.

LM Start	0.34	Rating **	M	Issue No.	9
LM End	0.34	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.332156 °	38.332156 °	
			-121.572580 °	-121.572580 °	
DWR ID	DWR_RD0150_02_s_2012_9				
Action/Comments					
Fence					

Photo 1 of 1 : SP_2015_RD0150_16_9_20150313_00005.jpg



Fence was found on the landside of the levee looking upstream.

LM Start	0.38	Rating **	M	Issue No.	13
LM End	0.38	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.332647 °	38.332647 °	
			-121.572140 °	-121.572140 °	
DWR ID	DWR_RD0150_02_s_2012_13				
Action/Comments					
Stairway					

Photo 1 of 1 : SP_2015_RD0150_16_13_20150313_00008.jpg



A stairway was found on the waterside of the levee. The picture was taken from the crown looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	6
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.332717 °	38.332717 °
				-121.572083 °	-121.572083 °
DWR ID	DWR_RD0150_02_s_2012_6				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

Photo 1 of 2 : SP_2015_RD0150_16_6_20150313_00002.jpg



Updated photo of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

LM Start	0.39	Rating **	M	Issue No.	6 (cont)
LM End	0.39	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_16_6_20150313_00003.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	0.39	Rating **	M	Issue No.	3
LM End	0.39	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.332670 °	38.332670 °
				-121.572132 °	-121.572132 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20268 DS_ID:22417 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Water leaks from pressure breakerDistribution					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.47	Rating **	M	Issue No.	7
LM End	0.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.333527 °	38.333527 °
				-121.571274 °	-121.571274 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20267 DS_ID:22418 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Abandoned pipe and pump. Needs proper abandonment. FIELD_STRUCT_DESC: 6-inch steel pipe and 1-inch conduit through the levee, 3.5 feet below crown, pump and gate valve on the waterward slope. Electric box on waterside slope. O&M Manual SAC 112, March 1957. FS Date: 08/27/2013					

No Photos

LM Start	0.49	Rating **	M	Issue No.	11
LM End	0.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.333754 °	38.333754 °
				-121.571018 °	-121.571018 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20284 DS_ID:22419 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs proper abandonment. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 5.7 feet below the crown. Power line on landside. (Mrs. J. Olson) O&M Manual SAC 112, March 1957. FS Date: 08/27/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.71	Rating **	M	Issue No.	10
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.336228 °	38.336228 °
				-121.568332 °	-121.568332 °
DWR ID	DWR_RD0150_02_s_2013_10				
Action/Comments					
Debris					

Photo 1 of 1 : SP_2015_RD0150_16_10_20150313_00006.jpg



Debris was found on the waterside slope of the levee looking downstream during Spring 2013 inspection.

LM Start	0.71	Rating **	M	Issue No.	16
LM End	0.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.336183 °	38.336183 °
				-121.568383 °	-121.568383 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20303 DS_ID:22421 EP_NO: 16109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 10" steel pipe on both sides of the levee. According to permit and inspectors note- 16" steel pipe through the levee. concrete standpipe inside water filtration plant on landside toe.air pressure tank on waterside steel deck. FIELD_STRUCT_DESC: 16 inch steel pipe and 2-inch conduit through the levee, 6.2 feet below the crown, slant pump on steel platform on the waterward slope. 4-inch abandoned pipe on the waterside slope. Concrete stand pipe and power pole at landside toe. (App. No. 18258, Wilson 2007) O&M Manual SAC 112, March 1957. FS Date: 08/27/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.97	Rating **	M	Issue No.	12
LM End	0.97	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.339035 °	38.339035 °	
			-121.565145 °	-121.565145 °	
DWR ID	DWR_RD0150_02_s_2012_12				
Action/Comments					
Tree or limb					

Photo 1 of 1 : SP_2015_RD0150_16_12_20150313_00007.jpg



Overgrown trees were obstructing the landside slope of the levee looking upstream.

LM Start	0.99	Rating **	M	Issue No.	18
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.339268 °	38.339268 °	
			-121.564839 °	-121.564839 °	
DWR ID	DWR_RD0150_02_s_2013_18				
Action/Comments					
Tree or limb					
Inspector Comments: Tree trunk was found on the waterside toe of the levee.					

Photo 1 of 2 : SP_2015_RD0150_16_18_20150313_00012.jpg



Updated picture of the tree trunk on the waterside toe of the levee looking upstream during spring 2014 inspection.

LM Start	0.99	Rating **	M	Issue No.	18 (cont)
LM End	0.99	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_16_18_20150313_00013.jpg



A tree trunk was found on the waterside toe of the levee looking upstream during spring 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	1.14	Rating **	N	Issue No.	8
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340864 °	38.340864 °
				-121.562915 °	-121.562915 °
DWR ID	DWR_RD0150_02_s_2012_8				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_16_8_20150313_00004.jpg



View of a tree stump on the landward slope.

LM Start	1.26	Rating **	M	Issue No.	92
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342229 °	38.342229 °
				-121.561694 °	-121.561694 °
DWR ID	DWR_RD0150_02_s_2012_92				
Action/Comments					
Landscaping					

No Photos

LM Start	1.32	Rating **	M	Issue No.	91
LM End	1.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342969 °	38.343252 °
				-121.561196 °	-121.560794 °
DWR ID	DWR_RD0150_02_s_2012_91				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP_2015_RD0150_16_91_20150313_00046.jpg



Landscaping was obstructing the view of the landside slope of the levee looking downstream. This picture was taken during spring 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	1.32	Rating **	M	Issue No.	91 (cont)
LM End	1.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342969 °	38.343252 °
				-121.561196 °	-121.560794 °
DWR ID	DWR_RD0150_02_s_2012_91				
Action/Comments					
Landscaping					

Photo 2 of 2 : SP_2015_RD0150_16_91_20150313_00047.jpg



Landscaping was found landside of the levee looking upstream.

LM Start	1.36	Rating **	M	Issue No.	19
LM End	1.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.343136 °	38.343136 °
				-121.560868 °	-121.560868 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20727 DS_ID:22393 EP_NO: 18221 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside. Pumps on piling structure with shed in drainage ditch. Siphon breaker cover missing. Needs to fix it. FIELD_STRUCT_DESC: 1 of 2: 30-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957. FS Date: 08/27/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	1.73	Rating **	M	Issue No.	48
LM End	1.73	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.345583 °	38.345583 °	
			-121.554507 °	-121.554507 °	
DWR ID	DWR_RD0150_02_f_2014_48				
Action/Comments					
Pole Inspector Comments: A pole was found on the waterside slope of the levee. Most probably is connected to a pump.					

Photo 1 of 1 : SP_2015_RD0150_16_48_20150313_00026.jpg



A pole/pipe was found on the waterside slope of the levee looking upstream.

LM Start	1.89	Rating **	M	Issue No.	50
LM End	1.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.346323 °	38.346323 °	
			-121.551568 °	-121.551568 °	
DWR ID	DWR_RD0150_02_f_2014_50				
Action/Comments					
Pipe Inspector Comments: An abandoned pipe was found on the waterside of the levee.					

Photo 1 of 1 : SP_2015_RD0150_16_50_20150313_00028.jpg



A pipe was found on the waterside toe of the levee looking upstream.

LM Start	1.93	Rating **	M	Issue No.	52
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.346462 °	38.346462 °	
			-121.550978 °	-121.550978 °	
DWR ID	DWR_RD0150_02_f_2014_52				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Rutting caused by vehicles.					

Photo 1 of 1 : SP_2015_RD0150_16_52_20150313_00030.jpg



A slope instability was found on the waterside slope of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	1.94	Rating **	M	Issue No.	21
LM End	1.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.346448 °	38.346448 °
				-121.551293 °	-121.551293 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20348 DS_ID:22395 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Operating during inspection. Overhead powerline crossing CMP riser with siphon breaker needs cleaning. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.0 feet below the crown; pump on the piling in the stream. Power poles on both slopes. Ramp on the landward slope. Siphon breaker on the landward shoulder. (T. Wilson). O&M Manual SAC 112, March 1957. FS Date: 08/27/2013					

No Photos

LM Start	2.17	Rating **	M	Issue No.	22
LM End	2.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.347032 °	38.347032 °
				-121.547159 °	-121.547159 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20731 DS_ID:22396 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Operating during inspection. Leaky joint at the concrete box. Power overhead crossing. Power pole at waterside shoulder, and landside toe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown, slant pump on the waterward slope. Power pole on the waterward shoulder. (Wilcox) O&M Manual SAC 112, March 1957. FS Date: 08/27/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	2.28	Rating **	M	Issue No.	88
LM End	2.30	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.347355 °	38.347361 °	
			-121.544628 °	-121.544280 °	
DWR ID	DWR_RD0150_02_s_2012_88				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_88_20150313_00045.jpg



Landscaping was found on the landside of the levee. The picture was taken from the crown looking upstream.

LM Start	2.70	Rating **	M	Issue No.	23
LM End	2.70	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.349542 °	38.349542 °	
			-121.537451 °	-121.537451 °	
DWR ID	DWR_RD0150_02_s_2012_23				
Action/Comments					
Tank Inspector Comments: Tank was found within the 10 feet landside easement.					

Photo 1 of 1 : SP_2015_RD0150_16_23_20150313_00015.jpg



A tank was found on the landside toe of the levee looking upstream.

LM Start	2.75	Rating **	N	Issue No.	14
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.350041 °	38.350041 °	
			-121.536853 °	-121.536853 °	
DWR ID	DWR_RD0150_02_s_2012_14				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_16_14_20150313_00009.jpg



View of a tree stump on the landward 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.24	Rating **	M	Issue No.	961
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.355321 °	38.355321 °	
			-121.530902 °	-121.530902 °	
DWR ID	DWR_RD0150_02_s_2012_961				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 1 of 5 : SP_2015_RD0150_16_961_20150413_00076.jpg



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : SP_2015_RD0150_16_961_20150313_00049.jpg



View of the erosion on the waterside slope of the levee near the pipe looking downstream. This picture was taken during the fall 2013 inspection.

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : SP_2015_RD0150_16_961_20150313_00050.jpg



View of the erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 4 of 5 : SP_2015_RD0150_16_961_20150313_00051.jpg



View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : SP_2015_RD0150_16_961_20150313_00052.jpg



View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.

LM Start	3.30	Rating **	A/W	Issue No.	17
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.355979 °	38.355979 °
				-121.530288 °	-121.530288 °
DWR ID	DWR_RD0150_02_s_2012_17				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side 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/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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.30	Rating **	M	Issue No.	26
LM End	3.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.355360 °	38.355360 °
				-121.530838 °	-121.530838 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20736 DS_ID:22402 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 10" steel pipe sleeved through 12" steel pipe. main pipe bifurcates into two pipes on LS slope and connected to standpipe and concrete box. 2" electric conduit on WS and power pole on LS. needs filling into gap between 10" and 12" steel pipes on LS. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.0 feet below the crown; pump on piling in stream. Concrete standpipe and concrete distribution box at the toe of the landward slope. (A. Green) O&M Manual SAC 112, March 1957. FS Date: 08/30/2013					

No Photos

LM Start	3.51	Rating **	A/W	Issue No.	15
LM End	3.51	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.358152 °	38.358152 °
				-121.527579 °	-121.527579 °
DWR ID	DWR_RD0150_02_s_2012_15				
Action/Comments					
Pipe Inspector Comments: PVC pipe is sleeving through an old steel pipe. The steel pipe appears to be fine for now, but we should keep an eye on it.					

Photo 1 of 2 : SP_2015_RD0150_16_15_20150313_00010.jpg



A PVC pipe was used to pump the water from waterside of the levee. It appeared that the PVC pipe was penetrating through a corroded steel casing through the levee crown. The picture was taken from the crown of the levee looking upstream during spring 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.51	Rating **	A/W	Issue No.	15 (cont)
LM End	3.51	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.358152 °	38.358152 °
				-121.527579 °	-121.527579 °
DWR ID	DWR_RD0150_02_s_2012_15				
Action/Comments					
Pipe Inspector Comments: PVC pipe is sleeving through an old steel pipe. The steel pipe appears to be fine for now, but we should keep an eye on it.					

Photo 2 of 2 : SP_2015_RD0150_16_15_20150313_00011.jpg



A PVC pipe was used under the levee crown for irrigation purpose. The picture was taken from the crown looking downstream.

LM Start	3.54	Rating **	U	Issue No.	82
LM End	3.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.358565 °	38.359729 °
				-121.527153 °	-121.525345 °
DWR ID	DWR_RD0150_02_s_2012_82				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_82_20150313_00043.jpg



Landscaping was blocking the visibility on the landside of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.56	Rating **	M	Issue No.	35
LM End	3.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.358094 °	38.358094 °
				-121.527619 °	-121.527619 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19846 DS_ID:22403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 8" pvc pipe sleeved into 12" steel pipe.needs filling/grouting in gas between 8" pvc pipe and 12" steel pipe on WS. 1.5" electric conduit on WS10" steel pipe extended to 8" pvc pipe on landside levee toe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.0 feet below the crown, pump and gate valve on the waterward slope. (R & J Pylman). O&M Manual SAC 112, March 1957. FS Date: 08/30/2013					

No Photos

LM Start	3.56	Rating **	M	Issue No.	36
LM End	3.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.358131 °	38.358131 °
				-121.527540 °	-121.527540 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19848 DS_ID:22404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs proper abandonment. FIELD_STRUCT_DESC: Abandoned 4-inch steel pipe on landward slope. 1-inch steel conduit on waterward slope found. FS Date: 08/30/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.84	Rating **	M	Issue No.	80
LM End	3.86	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.361419 °	38.361752 °	
			-121.523225 °	-121.522974 °	
DWR ID	DWR_RD0150_02_s_2012_80				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_80_20150313_00042.jpg



Landscaping in front of a residence on landside of levee from LM 3.90 to LM 3.93. The levee in this location is greater than 100' wide.

LM Start	3.88	Rating **	M	Issue No.	33
LM End	3.88	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.361970 °	38.361970 °	
			-121.522777 °	-121.522777 °	
DWR ID	DWR_RD0150_02_s_2012_33				
Action/Comments					
Stairway					

Photo 1 of 1 : SP_2015_RD0150_16_33_20150313_00021.jpg



A stairway was found on the waterside slope of the levee.

LM Start	4.07	Rating **	M	Issue No.	381
LM End	7.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.364731 °	38.410374 °	
			-121.522356 °	-121.520192 °	
DWR ID	DWR_RD0150_02_s_2015_381				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River		Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	4.08	Rating **	M	Issue No.	20
LM End	4.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.364854 °	38.365104 °	
			-121.522378 °	-121.522365 °	
DWR ID	DWR_RD0150_02_s_2012_20				
Action/Comments					
Building Inspector Comments: 3' retaining wall at the landward shoulder.					

Photo 1 of 1 : SP_2015_RD0150_16_20_20150313_00014.jpg



View of a retaining wall on the landward slope looking upstream.

LM Start	4.10	Rating **	M	Issue No.	953
LM End	4.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.365162 °	38.365162 °	
			-121.522365 °	-121.522365 °	
DWR ID	DWR_RD0150_02_s_2012_953				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_953_20150313_00048.jpg



View of cacti on the landside of the levee looking from the crown.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	4.30	Rating **	U	Issue No.	79
LM End	4.34	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.368036 °	38.368540 °	
			-121.522611 °	-121.522729 °	
DWR ID	DWR_RD0150_02_s_2012_79				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_79_20150313_00041.jpg



Trees were obstructing the views on the landside slope of the levee looking downstream.

LM Start	4.50	Rating **	M	Issue No.	1
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.370928 °	38.371909 °	
			-121.523069 °	-121.523316 °	
DWR ID	DWR_RD0150_02_f_2014_1				
Action/Comments					
Inspector Comments: 1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2013: Tree at upstream end has exposed roots. Some new erosion. [2013 Site ID: SAC_38-5_R]					

No Photos

LM Start	4.69	Rating **	M	Issue No.	28
LM End	4.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.373485 °	38.373485 °	
			-121.523963 °	-121.523963 °	
DWR ID	DWR_RD0150_02_s_2012_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0150_16_28_20150313_00018.jpg



Century plant on waterward slope at LM 4.76

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	4.70	Rating **	U	Issue No.	76
LM End	4.72	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.373688 °	38.373970 °	
			-121.524280 °	-121.524403 °	
DWR ID	DWR_RD0150_02_s_2012_76				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_76_20150313_00040.jpg



Trees were obstructing the view of the landside slope of the levee looking upstream.

LM Start	4.85	Rating **	M	Issue No.	69
LM End	4.85	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.375731 °	38.375731 °	
			-121.525245 °	-121.525245 °	
DWR ID	DWR_RD0150_02_f_2013_69				
Action/Comments					
Pipe Inspector Comments: The pipe cover is not a water tight connection. During high water, water may leak through the pipe and get into the landside.					

Photo 1 of 1 : SP_2015_RD0150_16_69_20150313_00038.jpg



The pipe cover doesn't appear to be water tight on the waterside slope of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2013 inspection.

LM Start	5.06	Rating **	A/W	Issue No.	40
LM End	7.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.378674 °	38.414029 °	
			-121.525423 °	-121.522991 °	
DWR ID	DWR_RD0150_02_s_2012_40				
Action/Comments					
Environmental Requirements.					

No Photos

* Location LS : Land Side 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/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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.06	Rating **	M	Issue No.	30
LM End	5.09	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.378715 °	38.379052 °	
			-121.525458 °	-121.525341 °	
DWR ID	DWR_RD0150_02_s_2012_30				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_30_20150313_00019.jpg



Landscaping was found on the landside shoulder of the levee looking upstream.

LM Start	5.09	Rating **	M	Issue No.	75
LM End	5.14	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.379054 °	38.379769 °	
			-121.525341 °	-121.525024 °	
DWR ID	DWR_RD0150_02_s_2012_75				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_75_20150313_00039.jpg



View of landscaping along the landward shoulder and slope looking downstream.

LM Start	5.24	Rating **	M	Issue No.	975
LM End	5.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.381126 °	38.381126 °	
			-121.524207 °	-121.524207 °	
DWR ID	DWR_RD0150_02_s_2013_975				
Action/Comments					
Repair slope instability. Inspector Comments: Depression in the landward slope at the shoulder over an irrigation pipe.					

Photo 1 of 2 : SP_2015_RD0150_16_975_20150313_00055.jpg



View of minor slope instability on the waterside slope of the levee looking downstream during fall 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.24	Rating **	M	Issue No.	975 (cont)
LM End	5.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.381126 °	38.381126 °
				-121.524207 °	-121.524207 °
DWR ID	DWR_RD0150_02_s_2013_975				
Action/Comments					
Repair slope instability. Inspector Comments: Depression in the landward slope at the shoulder over an irrigation pipe.					

Photo 2 of 2 : SP_2015_RD0150_16_975_20150313_00056.jpg



View of a minor depression along the landward slope of the levee over a pipe penetration looking downstream.

LM Start	5.25	Rating **	M	Issue No.	51
LM End	5.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381233 °	38.381233 °
				-121.524078 °	-121.524078 °
DWR ID	DWR_RD0150_02_s_2014_51				
Action/Comments					
Pipe Inspector Comments: A broken pipe outlet was found on the landside toe of the levee.					

Photo 1 of 1 : SP_2015_RD0150_16_51_20150313_00029.jpg



View of a damaged pipe on the landside toe of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.32	Rating **	M	Issue No.	39
LM End	5.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.381079 °	38.381079 °
				-121.524166 °	-121.524166 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20740 DS_ID:22410 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 2" electric conduit and gate valve on WS. abandoned old pump not removed from WS working during field survey FIELD_STRUCT_DESC: 12-inch pipe and 2-inch electric conduit through the levee, 3.0 feet below the crown. Service pole and standpipe at the toe of the landward slope. (C. Sakai) O&M Manual SAC 112, March 1957. FS Date: 08/30/2013					

No Photos

LM Start	5.33	Rating **	M	Issue No.	54
LM End	5.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.382072 °	38.382072 °
				-121.523220 °	-121.523220 °
DWR ID	DWR_RD0150_02_f_2014_54				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

Photo 1 of 1 : SP_2015_RD0150_16_54_20150313_00031.jpg



View of a slope instability on the waterside of the levee looking towards the toe.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.39	Rating **	M	Issue No.	74
LM End	5.40	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.382675 °	38.382793 °	
			-121.522367 °	-121.522164 °	
DWR ID	DWR_RD0150_02_s_2012_74				
Action/Comments					
Landscaping					

No Photos

LM Start	5.89	Rating **	M	Issue No.	383
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.387809 °	38.387809 °	
			-121.516030 °	-121.516030 °	
DWR ID	DWR_RD0150_02_s_2015_383				
Action/Comments					
Repair slope instability. Inspector Comments: Runoff.					

Photo 1 of 1 : SP_2015_RD0150_16_383_20150413_00074.jpg



Slope instability caused by runoff was found on the landside of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.23	Rating **	M	Issue No.	44
LM End	6.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391099 °	38.391099 °
				-121.514913 °	-121.514913 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20748 DS_ID:22412 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slope erosion due leaky siphon breaker at CMP rise/leaky pipe and pump/service pole on L&S" electric conduit on WS FIELD_STRUCT_DESC: 10-inch steel pipe and an electric conduit through the levee, 4.8 feet below the crown. Slant pump on the waterward slope. Siphon breaker in corrugated metal pipe riser on the landward shoulder. Slope erosion on landside of levee at siphon breaker. (Ed. Boyles) O&M Manual SAC 112, March 1957. FS Date: 08/30/2013					

No Photos

LM Start	6.30	Rating **	M	Issue No.	27
LM End	6.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.393655 °	38.393655 °
				-121.514654 °	-121.514654 °
DWR ID	DWR_RD0150_02_s_2012_27				
Action/Comments					
Landscaping Inspector Comments: Century plant on the landward slope.					

Photo 1 of 1 : SP_2015_RD0150_16_27_20150313_00017.jpg



Century plant was found on the landside of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.32	Rating **	M	Issue No.	29
LM End	6.32	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.393850 °	38.393850 °	
			-121.514629 °	-121.514629 °	
DWR ID	DWR_RD0150_02_s_2012_29				
Action/Comments					
Landscaping					

No Photos

LM Start	6.36	Rating **	M	Issue No.	31
LM End	6.36	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.394416 °	38.394416 °	
			-121.514590 °	-121.514590 °	
DWR ID	DWR_RD0150_02_s_2012_31				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_31_20150313_00020.jpg



Trees need to be trimmed on the landside of the levee looking upstream.

LM Start	6.39	Rating **	M	Issue No.	65
LM End	6.46	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.394935 °	38.395931 °	
			-121.514597 °	-121.514604 °	
DWR ID	DWR_RD0150_02_s_2012_65				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_65_20150313_00037.jpg



View of landscaping along the waterward shoulder and slope looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.42	Rating **	M	Issue No.	34
LM End	6.42	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.395340 °	38.395340 °	
			-121.514528 °	-121.514528 °	
DWR ID	DWR_RD0150_02_s_2012_34				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_34_20150313_00022.jpg



Landscaping was found on the waterside of the levee looking upstream.

LM Start	6.48	Rating **	M	Issue No.	42
LM End	6.48	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.396235 °	38.396235 °	
			-121.514547 °	-121.514547 °	
DWR ID	DWR_RD0150_02_s_2012_42				
Action/Comments					
Stairway					

Photo 1 of 1 : SP_2015_RD0150_16_42_20150313_00024.jpg



A stairway was found on the waterside slope of the levee looking upstream.

LM Start	6.50	Rating **	M	Issue No.	55
LM End	6.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.396518 °	38.396518 °	
			-121.514530 °	-121.514530 °	
DWR ID	DWR_RD0150_02_f_2014_55				
Action/Comments					
Pipe Inspector Comments: The pipe gate needs to be covered on the waterside toe of the levee.					

Photo 1 of 1 : SP_2015_RD0150_16_55_20150313_00032.jpg



An open pipe valve was found without a cover on the waterside toe of the 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.56	Rating **	U	Issue No.	64
LM End	6.61	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.397411 °	38.398033 °	
			-121.514681 °	-121.514753 °	
DWR ID	DWR_RD0150_02_s_2012_64				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_64_20150313_00036.jpg



Landscaping providing a screen for a residence on landside of levee from LM 6.68 to LM 6.72

LM Start	6.61	Rating **	M	Issue No.	45
LM End	6.61	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.396449 °	38.396449 °	
			-121.514516 °	-121.514516 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20754 DS_ID:22413 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only an abandoned and dismantled CMP riser with gate valve found on WS levee slope. May need proper abandonment. FIELD_STRUCT_DESC: Only an abandoned and dismantled CMP riser with gate valve found on waterside levee slope. FS Date: 08/30/2013					

No Photos

LM Start	6.64	Rating **	M	Issue No.	43
LM End	6.64	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.398456 °	38.398456 °	
			-121.514735 °	-121.514735 °	
DWR ID	DWR_RD0150_02_s_2012_43				
Action/Comments					
Landscaping Inspector Comments: Century plant on landside of the levee.					

Photo 1 of 1 : SP_2015_RD0150_16_43_20150313_00025.jpg



Century plants were found on the landside of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.68	Rating **	M	Issue No.	46
LM End	6.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.397451 °	38.397451 °
				-121.514601 °	-121.514601 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41720 DS_ID:22425 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to clear dense vegetation on WS.water filtration plant on LS levee toe.Slide gate on CMP riser on WS. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 12.0 feet below the crown, gate valve in CM riser on the waterward slope. Pump at the landward toe. (Joe Gomez) FS Date: 08/30/2013					

No Photos

LM Start	6.72	Rating **	M	Issue No.	38
LM End	6.72	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.399623 °	38.399623 °
				-121.514877 °	-121.514877 °
DWR ID	DWR_RD0150_02_s_2013_38				
Action/Comments					
Stairway					

Photo 1 of 1 : SP_2015_RD0150_16_38_20150313_00023.jpg



A stairway was found on the waterside slope of the levee looking upstream during spring 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.80	Rating **	M	Issue No.	47
LM End	6.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.399167 °	38.399167 °
				-121.514793 °	-121.514793 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41646 DS_ID:22426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - abandoned very old gate valve also found on WS. Rest of pipe should be evaluated due to its age. FIELD_STRUCT_DESC: 9-inch steel pipe through the levee, 9.7 feet below the crown, gate valve and pump house on the landside. (A. Souza). O&M Manual SAC 112, March 1957. FS Date: 08/30/2013					

No Photos

LM Start	6.81	Rating **	U	Issue No.	60
LM End	6.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.400936 °	38.402613 °
				-121.515173 °	-121.515863 °
DWR ID	DWR_RD0150_02_s_2012_60				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_60_20150313_00035.jpg



Landscaping providing a screen for a residence on the landside of levee from LM 6.93 to LM 7.05

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.92	Rating **	U	Issue No.	53
LM End	6.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.400835 °	38.400835 °
				-121.515066 °	-121.515066 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42903 DS_ID:22427 EP_NO: 1703 Repair Type: Urgent Crossing Status: Found UCIP Comments: - significant erosion along pipe alignment on LS slope.pump on concrete padservice pole on LS slope. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.5 feet below the crown, pump and gate valve on the waterward slope. Service pole and standpipe on the landward shoulder. (App. No. 1703 - M. Silva). FS Date: 08/30/2013					

No Photos

LM Start	7.01	Rating **	M	Issue No.	58
LM End	7.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403631 °	38.403631 °
				-121.516299 °	-121.516299 °
DWR ID	DWR_RD0150_02_s_2012_58				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_58_20150313_00034.jpg



Landscaping providing a screen for a residence on landside of levee at LM 7.12

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	7.11	Rating **	U	Issue No.	57
LM End	7.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.403513 °	38.403513 °
				-121.516162 °	-121.516162 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20203 DS_ID:22429 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - soil erosion along pipe alignment on LS slope. needs more investigation and mitigation for soil erosion. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee 10.0 feet below the crown, pump on concrete slab and slide gate in CMP riser on the waterward slope. Pipe through the levee section encased in reinforced concrete. A concrete standpipe on landside toe. (A. Monice). FS Date: 08/30/2013					

No Photos

LM Start	7.22	Rating **	A/W	Issue No.	32
LM End	7.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.406454 °	38.406454 °
				-121.517732 °	-121.517732 °
DWR ID	DWR_RD0150_02_s_2012_32				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	7.77	Rating **	M	Issue No.	41
LM End	7.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413563 °	38.413563 °
				-121.522593 °	-121.522593 °
DWR ID	DWR_RD0150_02_s_2013_41				
Action/Comments					
Landscaping					

No Photos

* Location LS : Land Side 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/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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	04/08/2015 04/08/2015	Pavel Kazi

LM Start	7.79	Rating **	M	Issue No.	56
LM End	7.79	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413705 °	38.413705 °	
			-121.522806 °	-121.522806 °	
DWR ID	DWR_RD0150_02_s_2012_56				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_16_56_20150313_00033.jpg



Landscaping on landside of levee at LM 7.92

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

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway		Bank	Unit Miles
Unit No. 03 Elk Slough		Left	9.41

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2015 - 04/08/2015			
DWR Inspector	Pavel Kazi			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.01	Rating **	M	Issue No.	2
LM End	9.42	Issue Type +	Ob	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.332735 °	38.413893 °
				-121.583625 °	-121.522896 °
DWR ID	DWR_RD0150_03_f_2014_2				
Action/Comments					
Inspector Comments: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013: No observed changes. [2013 Site ID: ELK_0-2_L]					

No Photos

LM Start	0.11	Rating **	A/W	Issue No.	936
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.334233 °	38.334233 °
				-121.583414 °	-121.583414 °
DWR ID	DWR_RD0150_03_s_2012_936				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP_2015_RD0150_17_936_20150313_00102.jpg



View of elderberry bush within 20 feet of shoulder blocking visibility and access.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.35	Rating **	M	Issue No.	3
LM End	0.35	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.337442 °	38.337442 °	
			-121.581628 °	-121.581628 °	
DWR ID	DWR_RD0150_03_s_2012_3				
Action/Comments					
Building Inspector Comments: Steps, water, electricity, and dock on waterward slope.					

Photo 1 of 2 : SP_2015_RD0150_17_3_20150410_00117.jpg



View of a house on the landside toe of the levee looking upstream.

LM Start	0.35	Rating **	M	Issue No.	3 (cont)
LM End	0.35	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_17_3_20150313_00001.jpg



View of steps, a dock, and associated utilities on the waterward slope.

LM Start	0.39	Rating **	M	Issue No.	6
LM End	0.39	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.337928 °	38.337928 °	
			-121.581496 °	-121.581496 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42694 DS_ID:22453 EP_NO: 13612 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned. Proper abandone needs.					

No Photos

* Location LS : Land Side 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/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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	0.61	Rating **	M	Issue No.	390
LM End	0.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.341056 °	38.341056 °
				-121.580676 °	-121.580676 °
DWR ID	DWR_RD0150_03_s_2015_390				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD0150_17_390_20150410_00116.jpg



Rodent holes were found on the landside of the levee looking downstream.

LM Start	0.91	Rating **	A/W	Issue No.	5
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.345293 °	38.345634 °
				-121.579769 °	-121.579574 °
DWR ID	DWR_RD0150_03_s_2012_5				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP_2015_RD0150_17_5_20150313_00004.jpg



View of elderberries on the landward slope blocking visibility and access.

LM Start	1.10	Rating **	M	Issue No.	391
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347554 °	38.353763 °
				-121.577998 °	-121.565976 °
DWR ID	DWR_RD0150_03_s_2015_391				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	1.26	Rating **	M	Issue No.	392
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.347466 °	38.347466 °
				-121.574937 °	-121.574937 °
DWR ID	DWR_RD0150_03_s_2015_392				
Action/Comments					
Repair slope instability. Inspector Comments: Runoff possibly caused by animal holes.					

Photo 1 of 1 : SP_2015_RD0150_17_392_20150410_00118.jpg



Slope instability possibly caused by rodent holes were found on the waterside of the levee looking upstream.

LM Start	1.38	Rating **	M	Issue No.	10
LM End	1.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.347489 °	38.347489 °
				-121.573302 °	-121.573302 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19112 DS_ID:22433 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No handrail on wooden walkway. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown, pump in pump house on the waterward slope. Service pole and steel distribution box on the landward slope. FS Date: 08/20/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	1.40	Rating **	M	Issue No.	393
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.347880 °	38.347880 °
				-121.572500 °	-121.572500 °
DWR ID	DWR_RD0150_03_s_2015_393				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD0150_17_393_20150413_00119.jpg



Rodent holes were found on the waterside of the levee looking downstream.

LM Start	1.78	Rating **	M	Issue No.	50
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.353249 °	38.353249 °
				-121.572848 °	-121.572848 °
DWR ID	DWR_RD0150_03_s_2012_50				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion appeared under the pipe.					

Photo 1 of 2 : SP_2015_RD0150_17_50_20150313_00039.jpg



Steps were dug next to the pipe and also erosion was found near the vicinity of the pipe on the waterside slope of the levee looking upstream during fall 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	1.78	Rating **	M	Issue No.	50 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.353249 °	38.353249 °
				-121.572848 °	-121.572848 °
DWR ID	DWR_RD0150_03_s_2012_50				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion appeared under the pipe.					

Photo 2 of 2 : SP_2015_RD0150_17_50_20150313_00040.jpg



Erosion was found on the waterside slope of the levee near the vicinity of the pipe. The picture was taken from the crown looking downstream.

LM Start	1.81	Rating **	M	Issue No.	14
LM End	1.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.353180 °	38.353180 °
				-121.572907 °	-121.572907 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19137 DS_ID:22434 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Small depression on WS slope due to leak from pumpPipe opens on LS ditch/depression. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.4 feet below the crown, pump, gate valve and service pole on the waterward slope. FS Date: 08/20/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	2.24	Rating **	M	Issue No.	75
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.353811 °	38.353811 °	
			-121.565668 °	-121.565668 °	
DWR ID	DWR_RD0150_03_f_2014_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Newly planted tree was found on the landside slope of the levee.					

Photo 1 of 1 : SP_2015_RD0150_17_75_20150313_00070.jpg



View of a few trees that were planted on the landside slope of the levee looking upstream.

LM Start	2.31	Rating **	M	Issue No.	78
LM End	2.31	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.354286 °	38.354286 °	
			-121.564494 °	-121.564494 °	
DWR ID	DWR_RD0150_03_s_2012_78				
Action/Comments					
Tree or limb Inspector Comments: New tree was planted on the landside slope.					

Photo 1 of 5 : SP_2015_RD0150_17_78_20150413_00120.jpg



Updated picture of the trees on the landside of the levee during spring 2015 inspection.

LM Start	2.31	Rating **	M	Issue No.	78 (cont)
LM End	2.31	Issue Type +	En	Location *	LS

Photo 2 of 5 : SP_2015_RD0150_17_78_20150313_00074.jpg



View of the newly planted tree on the landside slope of the levee during spring 2014 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	2.31	Rating **	M	Issue No.	78 (cont)
LM End	2.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.354286 °	38.354286 °
				-121.564494 °	-121.564494 °
DWR ID	DWR_RD0150_03_s_2012_78				
Action/Comments					
Tree or limb Inspector Comments: New tree was planted on the landside slope.					

Photo 3 of 5 : SP_2015_RD0150_17_78_20150313_00075.jpg



Several newly planted trees were found on the landside slope of the levee looking upstream during the fall 2013 inspection.

LM Start	2.31	Rating **	M	Issue No.	78 (cont)
LM End	2.31	Issue Type +	En	Location *	LS

Photo 4 of 5 : SP_2015_RD0150_17_78_20150313_00076.jpg



New tree was found on the landside shoulder of the levee looking downstream. This picture was taken during fall 2012 inspection.

LM Start	2.31	Rating **	M	Issue No.	78 (cont)
LM End	2.31	Issue Type +	En	Location *	LS

Photo 5 of 5 : SP_2015_RD0150_17_78_20150313_00077.jpg



New tree was planted on the landside of the levee looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	2.55	Rating **	N	Issue No.	11
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.356853 °	38.356853 °	
			-121.561565 °	-121.561565 °	
DWR ID	DWR_RD0150_03_s_2012_11				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_11_20150313_00007.jpg



View of tree stumps on the landward slope.

LM Start	2.66	Rating **	M	Issue No.	34
LM End	2.66	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.358406 °	38.358406 °	
			-121.561300 °	-121.561300 °	
DWR ID	DWR_RD0150_03_s_2013_34				
Action/Comments					
Pipe					

Photo 1 of 1 : SP_2015_RD0150_17_34_20150313_00026.jpg



A pipe was found on the waterside shoulder of the levee looking downstream during spring 2013 inspection.

LM Start	2.80	Rating **	M	Issue No.	35
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.360432 °	38.360432 °	
			-121.561644 °	-121.561644 °	
DWR ID	DWR_RD0150_03_s_2013_35				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 3 : SP_2015_RD0150_17_35_20150413_00121.jpg



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	2.80	Rating **	M	Issue No.	35 (cont)
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.360432 °	38.360432 °
				-121.561644 °	-121.561644 °
DWR ID	DWR_RD0150_03_s_2013_35				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 2 of 3 : SP_2015_RD0150_17_35_20150313_00027.jpg



Updated picture of the erosion on the waterside slope of the levee during spring 2014 inspection.

LM Start	2.80	Rating **	M	Issue No.	35 (cont)
LM End	2.80	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_RD0150_17_35_20150313_00028.jpg



Erosion was found on the waterside slope of the levee looking downstream during spring 2013 inspection.

LM Start	2.82	Rating **	N	Issue No.	17
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.360621 °	38.360621 °
				-121.561762 °	-121.561762 °
DWR ID	DWR_RD0150_03_s_2012_17				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_17_20150313_00014.jpg



View of tree stumps on the waterward 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	2.83	Rating **	C	Issue No.	72
LM End	2.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.360737 °	38.360737 °
				-121.561814 °	-121.561814 °
DWR ID	DWR_RD0150_03_s_2014_72				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	2.87	Rating **	M	Issue No.	76
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.361375 °	38.361375 °
				-121.562134 °	-121.562134 °
DWR ID	DWR_RD0150_03_s_2012_76				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : SP_2015_RD0150_17_76_20150313_00071.jpg



Erosion was found on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

LM Start	2.87	Rating **	M	Issue No.	76 (cont)
LM End	2.87	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_17_76_20150313_00072.jpg



Slope instability was found on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.15	Rating **	N	Issue No.	20
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363658 °	38.363658 °
				-121.559583 °	-121.559583 °
DWR ID	DWR_RD0150_03_s_2012_20				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_20_20150313_00015.jpg



View of tree stumps on the waterward slope.

LM Start	3.20	Rating **	M	Issue No.	77
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.363364 °	38.363364 °
				-121.558682 °	-121.558682 °
DWR ID	DWR_RD0150_03_f_2014_77				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD0150_17_77_20150313_00073.jpg



A rodent hole was found on the waterside of the levee looking upstream.

LM Start	3.25	Rating **	C	Issue No.	91
LM End	3.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.363101 °	38.363101 °
				-121.557847 °	-121.557847 °
DWR ID	DWR_RD0150_03_f_2012_91				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.28	Rating **	C	Issue No.	39
LM End	3.28	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.363043 °	38.363043 °	
			-121.557316 °	-121.557316 °	
DWR ID	DWR_RD0150_03_s_2012_39				
Action/Comments					
Pipe					

No Photos

LM Start	3.28	Rating **	M	Issue No.	113
LM End	3.28	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.362992 °	38.362992 °	
			-121.557275 °	-121.557275 °	
DWR ID	DWR_RD0150_03_f_2013_113				
Action/Comments					
Pole Inspector Comments: Unused pole on the landside shoulder of the levee					

No Photos

LM Start	3.31	Rating **	M	Issue No.	40
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.363008 °	38.363008 °	
			-121.556751 °	-121.556751 °	
DWR ID	DWR_RD0150_03_s_2013_40				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 3 : SP_2015_RD0150_17_40_20150413_00122.jpg



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.31	Rating **	M	Issue No.	40 (cont)
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363008 °	38.363008 °
				-121.556751 °	-121.556751 °
DWR ID	DWR_RD0150_03_s_2013_40				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 2 of 3 : SP_2015_RD0150_17_40_20150313_00032.jpg



Updated picture of the erosion on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	3.31	Rating **	M	Issue No.	40 (cont)
LM End	3.31	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_RD0150_17_40_20150313_00033.jpg



Erosion was found on the waterside toe of the levee looking upstream during spring 2013 inspection.

LM Start	3.34	Rating **	N	Issue No.	27
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363147 °	38.363147 °
				-121.556190 °	-121.556190 °
DWR ID	DWR_RD0150_03_s_2012_27				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_27_20150313_00019.jpg



View of tree stumps on the waterside slope looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.39	Rating **	M	Issue No.	114
LM End	3.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.363540 °	38.363540 °
				-121.555555 °	-121.555555 °
DWR ID	DWR_RD0150_03_f_2013_114				
Action/Comments					
Stairway					

Photo 1 of 1 : SP_2015_RD0150_17_114_20150313_00092.jpg



View of steps that were dug on the waterside slope of the levee looking upstream.

LM Start	3.39	Rating **	U	Issue No.	115
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363540 °	38.363540 °
				-121.555554 °	-121.555554 °
DWR ID	DWR_RD0150_03_f_2013_115				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion (ditch) was found on the landside toe of the levee.					

Photo 1 of 2 : SP_2015_RD0150_17_115_20150413_00123.jpg



Updated picture of the ditch on the landside toe of the levee during spring 2015 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.39	Rating **	U	Issue No.	115 (cont)
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.363540 °	38.363540 °	
			-121.555554 °	-121.555554 °	
DWR ID	DWR_RD0150_03_f_2013_115				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion (ditch) was found on the landside toe of the levee.					

Photo 2 of 2 : SP_2015_RD0150_17_115_20150313_00093.jpg



A drainage ditch with depth of 4 feet and width of 15 feet was found on the landside toe of the levee. The picture was taken from the landside slope looking upstream during the fall 2013 inspection.

LM Start	3.41	Rating **	M	Issue No.	98
LM End	3.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.363803 °	38.363803 °	
			-121.555432 °	-121.555432 °	
DWR ID	DWR_RD0150_03_s_2012_98				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion was located on the waterside of the levee looking downstream.					

Photo 1 of 1 : SP_2015_RD0150_17_98_20150313_00091.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	3.44	Rating **	M	Issue No.	47
LM End	3.48	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.364251 °	38.364772 °	
			-121.555321 °	-121.555343 °	
DWR ID	DWR_RD0150_03_s_2012_47				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_47_20150313_00037.jpg



Landscaping & garden on landward slope of levee at LM 3.50 to LM 3.54.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.45	Rating **	M	Issue No.	15
LM End	3.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.363520 °	38.363520 °
				-121.555571 °	-121.555571 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41729 DS_ID:22439 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky concrete standpipe on landside levee toe creating some erosion pump was working at the time of inspection. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 3.7 feet below the crown. Service pole on the waterward slope and pump on piling in the stream. Concrete stand pipe on landside levee toe. (A. Pylman) O&M Manual SAC 112, March 1957. FS Date: 08/20/2013					

No Photos

LM Start	3.67	Rating **	A/W	Issue No.	927
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.367305 °	38.367305 °
				-121.554984 °	-121.554984 °
DWR ID	DWR_RD0150_03_s_2012_927				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 2 : SP_2015_RD0150_17_927_20150313_00095.jpg



Slope instability possible due to vehicular traffic on the landside of the levee. The picture was taken from the crown looking upstream during Spring 2011 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.67	Rating **	A/W	Issue No.	927 (cont)
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.367305 °	38.367305 °
				-121.554984 °	-121.554984 °
DWR ID	DWR_RD0150_03_s_2012_927				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 2 of 2 : SP_2015_RD0150_17_927_20150313_00096.jpg



Repair minor damage to levee slope along landward ramp at LM 3.75.

LM Start	3.72	Rating **	U	Issue No.	18
LM End	3.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.367213 °	38.367213 °
				-121.555273 °	-121.555273 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:20766 DS_ID:22440 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete standpipe on LS Levee damaged. Gate valve on WS not found. Safety valve on WS pipe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.9 feet below the crown. Pump on the waterward slope. Concrete standpipe at the landward toe. (R. & J. Pylman) O&M Manual SAC 112, March 1957. FS Date: 08/20/2013					

No Photos

LM Start	3.79	Rating **	M	Issue No.	116
LM End	3.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.367535 °	38.367535 °
				-121.552815 °	-121.552815 °
DWR ID	DWR_RD0150_03_f_2013_116				
Action/Comments					
Repair slope instability.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	3.87	Rating **	C	Issue No.	117
LM End	3.87	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.368120 °	38.368120 °
				-121.551522 °	-121.551522 °
DWR ID	DWR_RD0150_03_f_2013_117				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	4.26	Rating **	M	Issue No.	394
LM End	9.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373066 °	38.412990 °
				-121.550982 °	-121.524091 °
DWR ID	DWR_RD0150_03_s_2015_394				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	4.28	Rating **	N	Issue No.	37
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.373319 °	38.373319 °
				-121.550836 °	-121.550836 °
DWR ID	DWR_RD0150_03_s_2012_37				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_37_20150313_00030.jpg



View of tree stumps on the waterward 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	4.38	Rating **	M	Issue No.	51
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.374269 °	38.374269 °
				-121.549385 °	-121.549385 °
DWR ID	DWR_RD0150_03_s_2012_51				
Action/Comments					
Prunings					

Photo 1 of 4 : SP_2015_RD0150_17_51_20150313_00041.jpg



Remove pruning pile on landward slope at LM 4.46.

LM Start	4.38	Rating **	M	Issue No.	51 (cont)
LM End	4.38	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP_2015_RD0150_17_51_20150313_00042.jpg



Prunings were found on the landside of the levee looking downstream.

LM Start	4.38	Rating **	M	Issue No.	51 (cont)
LM End	4.38	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP_2015_RD0150_17_51_20150313_00043.jpg



Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2012 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	4.38	Rating **	M	Issue No.	51 (cont)
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.374269 °	38.374269 °
				-121.549385 °	-121.549385 °
DWR ID	DWR_RD0150_03_s_2012_51				
Action/Comments					
Prunings					

Photo 4 of 4 : SP_2015_RD0150_17_51_20150313_00044.jpg



Updated picture of the pruning pile on the landside of the levee looking upstream during the fall 2013 inspection.

LM Start	4.49	Rating **	M	Issue No.	80
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.374355 °	38.374355 °
				-121.547436 °	-121.547436 °
DWR ID	DWR_RD0150_03_s_2014_80				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : SP_2015_RD0150_17_80_20150313_00079.jpg



View of an erosion site on the waterside toe of the levee looking upstream.

LM Start	4.49	Rating **	M	Issue No.	94
LM End	4.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374367 °	38.374367 °
				-121.547327 °	-121.547327 °
DWR ID	DWR_RD0150_03_s_2012_94				
Action/Comments					
Landscaping					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	4.71	Rating **	M	Issue No.	19
LM End	4.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.374934 °	38.374934 °
				-121.545029 °	-121.545029 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19281 DS_ID:22444 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - service pole on LS. 1" conduit on WS levee toe cut out on landside walkway and gate. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 3.8 feet below the crown, pump on piling in stream. Concrete standpipe at the landward toe. (P. Cook) O&M Manual SAC 112, March 1957. FS Date: 08/20/2013					

No Photos

LM Start	4.86	Rating **	C	Issue No.	65
LM End	4.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.377333 °	38.377333 °
				-121.541930 °	-121.541930 °
DWR ID	DWR_RD0150_03_s_2013_65				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	4.91	Rating **	M	Issue No.	9
LM End	4.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.377761 °	38.377761 °
				-121.541319 °	-121.541319 °
DWR ID	DWR_RD0150_03_s_2012_9				
Action/Comments					
Equipment					

Photo 1 of 1 : SP_2015_RD0150_17_9_20150313_00006.jpg



Equipment on the landside toe of the levee. The picture was taken from crown looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	4.99	Rating **	M	Issue No.	36
LM End	4.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.378771 °	38.378771 °
				-121.540538 °	-121.540538 °
DWR ID	DWR_RD0150_03_f_2012_36				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : SP_2015_RD0150_17_36_20150313_00029.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	4.99	Rating **	M	Issue No.	22
LM End	4.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.377718 °	38.377718 °
				-121.541413 °	-121.541413 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19283 DS_ID:22445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - seems abandoned.may need proper abandonment FIELD_STRUCT_DESC: Abandoned 10-inch steel pipe through the levee, 7.2 feet below the crown, gate valve on the landward end. (D. Conner) O&M Manual SAC 112, March 1957. FS Date: 08/23/2013					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.04	Rating **	M	Issue No.	4
LM End	5.04	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.379456 °	38.379456 °
				-121.540147 °	-121.540147 °
DWR ID	DWR_RD0150_03_s_2012_4				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : SP_2015_RD0150_17_4_20150313_00002.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during the fall 2013 inspection.

LM Start	5.04	Rating **	M	Issue No.	4 (cont)
LM End	5.04	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_17_4_20150313_00003.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	5.05	Rating **	M	Issue No.	81
LM End	5.05	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.379608 °	38.379608 °
				-121.540082 °	-121.540082 °
DWR ID	DWR_RD0150_03_f_2014_81				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : SP_2015_RD0150_17_81_20150313_00080.jpg



View of erosion on the waterside of the levee looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.14	Rating **	M	Issue No.	941
LM End	5.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.380779 °	38.380779 °
				-121.540264 °	-121.540264 °
DWR ID	DWR_RD0150_03_s_2012_941				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: There is a significant difference in the crown roadway elevation as it transitions from the paved roadway to the gravel access road.					

Photo 1 of 1 : SP_2015_RD0150_17_941_20150313_00103.jpg



View of varying elevations in the crown of the levee at the transition from county road to access road.

LM Start	5.51	Rating **	M	Issue No.	12
LM End	5.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383328 °	38.383328 °
				-121.545825 °	-121.545825 °
DWR ID	DWR_RD0150_03_s_2012_12				
Action/Comments					
Prunings					

Photo 1 of 4 : SP_2015_RD0150_17_12_20150313_00008.jpg



Prunings were found on the landside of the levee looking upstream.

LM Start	5.51	Rating **	M	Issue No.	12 (cont)
LM End	5.51	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP_2015_RD0150_17_12_20150313_00009.jpg



Updated picture of pruning pile on the landside toe of the levee looking upstream during the fall 2013 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.51	Rating **	M	Issue No.	12 (cont)
LM End	5.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383328 °	38.383328 °
				-121.545825 °	-121.545825 °
DWR ID	DWR_RD0150_03_s_2012_12				
Action/Comments					
Prunings					

Photo 3 of 4 : SP_2015_RD0150_17_12_20150313_00010.jpg



Updated picture of debris and pruning on the landside toe of the levee looking upstream. This picture was taken during spring 2013 inspection.

LM Start	5.51	Rating **	M	Issue No.	12 (cont)
LM End	5.51	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP_2015_RD0150_17_12_20150313_00011.jpg



Pruning was found on the landside toe of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	5.56	Rating **	N	Issue No.	68
LM End	5.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383697 °	38.383697 °
				-121.545201 °	-121.545201 °
DWR ID	DWR_RD0150_03_s_2012_68				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_68_20150313_00066.jpg



Tree stump was found on the waterside of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.69	Rating **	N	Issue No.	41
LM End	5.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.383969 °	38.383969 °	
			-121.542806 °	-121.542806 °	
DWR ID	DWR_RD0150_03_s_2012_41				
Action/Comments					
Tree stumps.					

No Photos

LM Start	5.78	Rating **	M	Issue No.	28
LM End	5.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.384333 °	38.384333 °	
			-121.541310 °	-121.541310 °	
DWR ID	DWR_RD0150_03_s_2012_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0150_17_28_20150313_00020.jpg



Wild growth was found on the waterside slope of the levee looking upstream.

LM Start	5.79	Rating **	M	Issue No.	56
LM End	5.83	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.384363 °	38.384796 °	
			-121.541161 °	-121.540525 °	
DWR ID	DWR_RD0150_03_s_2012_56				
Action/Comments					
Fence					

Photo 1 of 1 : SP_2015_RD0150_17_56_20150313_00047.jpg



View of fence around a horse pen along the shoulder of the levee and the landward 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.81	Rating **	M	Issue No.	29
LM End	5.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.383996 °	38.383996 °
				-121.542638 °	-121.542638 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:28265 DS_ID:22448 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - levee toe cut out at open end of the pipe.service pole and control box on river bank. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 7.8 feet below crown. Pump and gate valve on steel platform. Cross fence, wire drag gate. (Permit No. 1167, D. Conner) O&M Manual SAC 112, March 1957. FS Date: 08/23/2013					

No Photos

LM Start	5.82	Rating **	M	Issue No.	57
LM End	5.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384648 °	38.384648 °
				-121.540669 °	-121.540669 °
DWR ID	DWR_RD0150_03_s_2012_57				
Action/Comments					
Tree or limb					

Photo 1 of 1 : SP_2015_RD0150_17_57_20150313_00048.jpg



View of a tree trunk lying on the landward slope blocking visibility.

* 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 2015

Reclamation District No. 0150 Merritt Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.83	Rating **	U	Issue No.	58
LM End	5.83	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.384803 °	38.384803 °	
			-121.540545 °	-121.540545 °	
DWR ID	DWR_RD0150_03_s_2012_58				
Action/Comments					
Building					

Photo 1 of 1 : SP_2015_RD0150_17_58_20150313_00049.jpg



Building & associated landscaping on levee crown at LM 5.93.

LM Start	5.91	Rating **	M	Issue No.	21
LM End	5.98	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.385752 °	38.386703 °	
			-121.539905 °	-121.540042 °	
DWR ID	DWR_RD0150_03_s_2012_21				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_21_20150313_00016.jpg



Landscaping was found on the landside of the levee looking upstream.

LM Start	5.95	Rating **	M	Issue No.	33
LM End	5.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.386351 °	38.386351 °	
			-121.539828 °	-121.539828 °	
DWR ID	DWR_RD0150_03_s_2012_33				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0150_17_33_20150313_00025.jpg



Tree trunks and vegetation was obstructing the visibility on the waterside slope of the levee looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	5.96	Rating **	M	Issue No.	46
LM End	5.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.386422 °	38.386422 °	
			-121.539861 °	-121.539861 °	
DWR ID	DWR_RD0150_03_s_2012_46				
Action/Comments					
Pipe Inspector Comments: Improperly abandoned pipe through the levee.					

Photo 1 of 1 : SP_2015_RD0150_17_46_20150313_00036.jpg



View of an improperly abandoned pipe through the levee looking upstream.

LM Start	6.03	Rating **	M	Issue No.	44
LM End	6.03	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.387295 °	38.387295 °	
			-121.540612 °	-121.540612 °	
DWR ID	DWR_RD0150_03_s_2012_44				
Action/Comments					
Abandoned vehicles Inspector Comments: It appeared to be an abandoned dock.					

Photo 1 of 1 : SP_2015_RD0150_17_44_20150313_00035.jpg



An abandoned dock was found on the waterside of the levee looking upstream.

LM Start	6.03	Rating **	M	Issue No.	23
LM End	6.03	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.387348 °	38.387348 °	
			-121.540577 °	-121.540577 °	
DWR ID	DWR_RD0150_03_s_2012_23				
Action/Comments					
Landscaping					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.06	Rating **	M	Issue No.	38
LM End	6.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.386402 °	38.386402 °
				-121.539834 °	-121.539834 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19403 DS_ID:22451 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe ends open on both sides of the levee. abandoned concrete box on WS.two abandoned steel pipes (6" and 1") also found on WS. needs proper abandonment FIELD_STRUCT_DESC: Abandoned 6-inch steel pipe through the levee, 2.5 feet below the crown. Power pole on the landward slope. (W. Bogle). O&M Manual SAC 112, March 1957. FS Date: 08/23/2013					

No Photos

LM Start	6.13	Rating **	M	Issue No.	24
LM End	6.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.388535 °	38.389391 °
				-121.541657 °	-121.541901 °
DWR ID	DWR_RD0150_03_s_2012_24				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_24_20150313_00017.jpg



Oleander on landward slope blocking view of levee from LM 6.24 to 6.32

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.23	Rating **	N	Issue No.	49
LM End	6.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.389658 °	38.389658 °
				-121.541518 °	-121.541518 °
DWR ID	DWR_RD0150_03_s_2012_49				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_49_20150313_00038.jpg



View of tree stumps on the waterward slope.

LM Start	6.23	Rating **	M	Issue No.	25
LM End	6.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.389700 °	38.389808 °
				-121.541462 °	-121.541285 °
DWR ID	DWR_RD0150_03_s_2012_25				
Action/Comments					
Landscaping					

No Photos

LM Start	6.25	Rating **	M	Issue No.	26
LM End	6.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.389858 °	38.390115 °
				-121.541155 °	-121.540657 °
DWR ID	DWR_RD0150_03_s_2012_26				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_26_20150313_00018.jpg



Landscaping on landward slope blocking view from LM 6.37 to 6.40

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.38	Rating **	M	Issue No.	62
LM End	6.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.390935 °	38.390935 °	
			-121.539369 °	-121.539369 °	
DWR ID	DWR_RD0150_03_s_2012_62				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 2 : SP_2015_RD0150_17_62_20150313_00056.jpg



Tree was blocking the visibility on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	6.38	Rating **	M	Issue No.	62 (cont)
LM End	6.38	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_17_62_20150313_00057.jpg



Vegetation on the waterside of the levee looking downstream.

LM Start	6.45	Rating **	M	Issue No.	60
LM End	6.45	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.391616 °	38.391616 °	
			-121.538378 °	-121.538378 °	
DWR ID	DWR_RD0150_03_s_2012_60				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_60_20150313_00051.jpg



View of landscaping along the landward 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.49	Rating **	M	Issue No.	43
LM End	6.49	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.392172 °	38.392172 °	
			-121.538065 °	-121.538065 °	
DWR ID	DWR_RD0150_03_f_2012_43				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : SP_2015_RD0150_17_43_20150313_00034.jpg



Slope instability was found on the waterside of the levee looking downstream.

LM Start	6.52	Rating **	M	Issue No.	83
LM End	6.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.392580 °	38.392580 °	
			-121.538059 °	-121.538059 °	
DWR ID	DWR_RD0150_03_f_2014_83				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_RD0150_17_83_20150313_00082.jpg



Prunings were found on the landside toe of the levee looking upstream.

LM Start	6.75	Rating **	M	Issue No.	30
LM End	6.83	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.395670 °	38.396027 °	
			-121.537925 °	-121.536575 °	
DWR ID	DWR_RD0150_03_s_2012_30				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_30_20150313_00021.jpg



Landscaping on landward slope blocking view from LM 6.87 to 6.95

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.75	Rating **	M	Issue No.	42
LM End	6.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.394182 °	38.394182 °
				-121.538609 °	-121.538609 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42692 DS_ID:22457 EP_NO: 14650 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Concrete distribution box on landside levee toe. Diesel powered slant pump on water side. (Permit No. 14650 - Webber) FS Date: 08/23/2013					

No Photos

LM Start	6.82	Rating **	M	Issue No.	13
LM End	6.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395998 °	38.395470 °
				-121.536613 °	
DWR ID	DWR_RD0150_03_s_2012_13				
Action/Comments					
Fence					

Photo 1 of 1 : SP_2015_RD0150_17_13_20150313_00012.jpg



Fence was found on the landside of the levee looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.90	Rating **	M	Issue No.	61 (cont)
LM End	6.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.396655 °	38.396655 °
				-121.535485 °	-121.535485 °
DWR ID	DWR_RD0150_03_s_2012_61				
Action/Comments					
Note and monitor erosion site.					

Photo 3 of 4 : SP_2015_RD0150_17_61_20150313_00053.jpg



Erosion on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

LM Start	6.90	Rating **	M	Issue No.	61 (cont)
LM End	6.90	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SP_2015_RD0150_17_61_20150313_00054.jpg



Erosion was found on the waterside of the levee looking downstream. This picture was taken during fall 2011 inspection.

LM Start	6.91	Rating **	M	Issue No.	79
LM End	6.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.396698 °	38.396698 °
				-121.535406 °	-121.535406 °
DWR ID	DWR_RD0150_03_f_2012_79				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	6.93	Rating **	M	Issue No.	31
LM End	6.97	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.397021 °	38.397540 °	
			-121.535151 °	-121.535183 °	
DWR ID	DWR_RD0150_03_s_2012_31				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_31_20150313_00022.jpg



Landscaping was found on the landside shoulder of the levee looking upstream.

LM Start	7.23	Rating **	M	Issue No.	395
LM End	7.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.401148 °	38.406093 °	
			-121.536530 °	-121.543030 °	
DWR ID	DWR_RD0150_03_s_2015_395				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	7.26	Rating **	M	Issue No.	64
LM End	7.26	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.401481 °	38.401481 °	
			-121.536876 °	-121.536876 °	
DWR ID	DWR_RD0150_03_s_2012_64				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_64_20150313_00059.jpg



Landscaping on the waterside of the levee. The picture was taken from the crown looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	7.29	Rating **	M	Issue No.	32
LM End	7.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.401738 °	38.402296 °
				-121.537127 °	-121.537678 °
DWR ID	DWR_RD0150_03_s_2012_32				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP_2015_RD0150_17_32_20150313_00023.jpg



Vegetation on the landside of the levee looking upstream. This picture was taken during spring 2012 inspection.

LM Start	7.29	Rating **	M	Issue No.	32 (cont)
LM End	7.34	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0150_17_32_20150313_00024.jpg



Landscaping on landward slope blocking view from LM 7.42 to 7.47

LM Start	7.34	Rating **	U	Issue No.	45
LM End	7.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.400883 °	38.400883 °
				-121.536200 °	-121.536200 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42689 DS_ID:22463 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - Safety valve on pipe on waterside.Power pole on					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	7.38	Rating **	N	Issue No.	63
LM End	7.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.402779 °	38.402779 °
				-121.538197 °	-121.538197 °
DWR ID	DWR_RD0150_03_s_2012_63				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_63_20150313_00058.jpg



View of a tree stump on the landward slope.

LM Start	7.40	Rating **	M	Issue No.	84
LM End	7.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403047 °	38.403047 °
				-121.538433 °	-121.538433 °
DWR ID	DWR_RD0150_03_s_2012_84				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_84_20150313_00083.jpg



Landscaping was found on the landside shoulder of the levee looking upstream.

LM Start	7.44	Rating **	M	Issue No.	934
LM End	7.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403566 °	38.403566 °
				-121.538886 °	-121.538886 °
DWR ID	DWR_RD0150_03_s_2012_934				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0150_17_934_20150313_00098.jpg



Landscaping was blocking the visibility on the landside of the levee looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	7.47	Rating **	M	Issue No.	935
LM End	7.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.403795 °	38.403795 °
				-121.539205 °	-121.539205 °
DWR ID	DWR_RD0150_03_s_2012_935				
Action/Comments					
Prunings					

Photo 1 of 3 : SP_2015_RD0150_17_935_20150313_00099.jpg



Prunings located on the toe of landward side of the levee. The picture was taken from the crown looking upstream.

LM Start	7.47	Rating **	M	Issue No.	935 (cont)
LM End	7.47	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_RD0150_17_935_20150313_00100.jpg



Prunings were found on the landside of the levee looking upstream.

LM Start	7.47	Rating **	M	Issue No.	935 (cont)
LM End	7.47	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2015_RD0150_17_935_20150313_00101.jpg



Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2011 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	7.67	Rating **	M	Issue No.	1
LM End	7.67	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.405275 °	38.405275 °
				-121.542473 °	-121.542473 °
DWR ID	DWR_RD0150_03_s_2012_1				
Action/Comments					
Pole					

No Photos

LM Start	7.68	Rating **	M	Issue No.	16
LM End	7.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.405342 °	38.405342 °
				-121.542553 °	-121.542553 °
DWR ID	DWR_RD0150_03_s_2012_16				
Action/Comments					
Equipment					

Photo 1 of 1 : SP_2015_RD0150_17_16_20150313_00013.jpg



Equipment was found on the landside of the levee looking upstream.

LM Start	7.74	Rating **	M	Issue No.	396
LM End	7.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.406098 °	38.406098 °
				-121.543028 °	-121.543028 °
DWR ID	DWR_RD0150_03_s_2015_396				
Action/Comments					
Repair slope instability. Inspector Comments: Slope instability caused by a tree.					

Photo 1 of 1 : SP_2015_RD0150_17_396_20150413_00125.jpg



Slope instability was found on the waterside toe of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	7.91	Rating **	M	Issue No.	87
LM End	7.91	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408342 °	38.408342 °
				-121.541580 °	-121.541580 °
DWR ID	DWR_RD0150_03_s_2012_87				
Action/Comments					
Pipe Inspector Comments: An abandoned pipe.					

Photo 1 of 1 : SP_2015_RD0150_17_87_20150313_00084.jpg



An abandoned pipe was found on the waterside of the levee looking upstream.

LM Start	8.02	Rating **	M	Issue No.	92
LM End	8.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.409130 °	38.409130 °
				-121.539971 °	-121.539971 °
DWR ID	DWR_RD0150_03_s_2014_92				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : SP_2015_RD0150_17_92_20150413_00126.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2015 inspection.

LM Start	8.02	Rating **	M	Issue No.	92 (cont)
LM End	8.02	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_17_92_20150313_00090.jpg



A slope instability was found on the waterside of the levee looking downstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	8.05	Rating **	M	Issue No.	82
LM End	8.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409224 °	38.409224 °
				-121.539350 °	-121.539350 °
DWR ID	DWR_RD0150_03_f_2013_82				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_RD0150_17_82_20150313_00081.jpg



Prunings were found on the landside toe of the levee looking upstream.

LM Start	8.31	Rating **	M	Issue No.	66
LM End	8.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.407960 °	38.407960 °
				-121.534898 °	-121.534898 °
DWR ID	DWR_RD0150_03_s_2012_66				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 2 : SP_2015_RD0150_17_66_20150413_00127.jpg



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

LM Start	8.31	Rating **	M	Issue No.	66 (cont)
LM End	8.31	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0150_17_66_20150313_00062.jpg



Repair erosion on waterward slope near shoulder at LM 8.46.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	8.33	Rating **	M	Issue No.	67
LM End	8.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.407958 °	38.407958 °
				-121.534583 °	-121.534583 °
DWR ID	DWR_RD0150_03_s_2012_67				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 3 : SP_2015_RD0150_17_67_20150313_00063.jpg



Updated picture of the slope instability on the waterside shoulder looking upstream during spring 2014 inspection.

LM Start	8.33	Rating **	M	Issue No.	67 (cont)
LM End	8.33	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2015_RD0150_17_67_20150313_00064.jpg



Slope instability was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	8.33	Rating **	M	Issue No.	67 (cont)
LM End	8.33	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_RD0150_17_67_20150313_00065.jpg



Slope instability on the waterside slope of the levee. The picture was taken from the crown looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	8.35	Rating **	U	Issue No.	48
LM End	8.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.408619 °	38.408619 °
				-121.536768 °	-121.536768 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42688 DS_ID:22466 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - needs proper abandonment pile structure in					

No Photos

LM Start	8.37	Rating **	M	Issue No.	88
LM End	8.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408155 °	38.408155 °
				-121.533982 °	-121.533982 °
DWR ID	DWR_RD0150_03_s_2012_88				
Action/Comments					
Pole					

No Photos

LM Start	8.37	Rating **	M	Issue No.	89
LM End	8.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.408153 °	38.408153 °
				-121.533980 °	-121.533980 °
DWR ID	DWR_RD0150_03_s_2012_89				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 3 : SP_2015_RD0150_17_89_20150413_00128.jpg



Updated picture of a rodent hole on the waterside shoulder of the levee during spring 2015 inspection.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	8.37	Rating **	M	Issue No.	89 (cont)
LM End	8.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.408153 °	38.408153 °
				-121.533980 °	-121.533980 °
DWR ID	DWR_RD0150_03_s_2012_89				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 2 of 3 : SP_2015_RD0150_17_89_20150313_00085.jpg



Updated picture of a rodent hole on the waterside shoulder of the levee during fall 2014 inspection.

LM Start	8.37	Rating **	M	Issue No.	89 (cont)
LM End	8.37	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_RD0150_17_89_20150313_00086.jpg



View of the rodent hole on the waterside shoulder of the levee looking downstream during the fall 2013 inspection.

LM Start	8.38	Rating **	M	Issue No.	69
LM End	8.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408238 °	38.409291 °
				-121.533866 °	-121.532702 °
DWR ID	DWR_RD0150_03_s_2012_69				
Action/Comments					
Ditch Inspector Comments: Irrigation ditch in landside toe					

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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	8.46	Rating **	N	Issue No.	90
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.409220 °	38.409220 °	
			-121.532801 °	-121.532801 °	
DWR ID	DWR_RD0150_03_s_2012_90				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_90_20150313_00087.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	8.50	Rating **	N	Issue No.	55
LM End	8.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.409559 °	38.409559 °	
			-121.532356 °	-121.532356 °	
DWR ID	DWR_RD0150_03_s_2012_55				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_55_20150313_00046.jpg



A tree stump was found on the waterside of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	8.52	Rating **	M	Issue No.	52
LM End	8.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.408188 °	38.408188 °
				-121.533935 °	-121.533935 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41648 DS_ID:22467 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - walkway in poor functional condition abandoned 8-inch steel pipe next to 12" pipe. This 8" pipe might have merged with 12" pipe under the levee. Pipe and pump inside concrete masonry wall. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 13.0 feet below the crown, pump and gate valve in pump house on the waterward slope. Concrete distribution box at the landward toe. Service pole on the waterward shoulder. O&M Manual SAC 112, March 1957. FS Date: 08/23/2013					

No Photos

LM Start	8.53	Rating **	M	Issue No.	397
LM End	9.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409818 °	38.415272 °
				-121.531778 °	-121.527902 °
DWR ID	DWR_RD0150_03_s_2015_397				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD0150_17_397_20150413_00129.jpg



Vegetation was found on the crown of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	8.62	Rating **	M	Issue No.	398
LM End	9.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.410606 °	38.415262 °
				-121.530561 °	-121.527874 °
DWR ID	DWR_RD0150_03_s_2015_398				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	8.72	Rating **	M	Issue No.	7
LM End	8.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.411593 °	38.411593 °
				-121.529143 °	-121.529143 °
DWR ID	DWR_RD0150_03_s_2012_7				
Action/Comments					
Debris					

Photo 1 of 1 : SP_2015_RD0150_17_7_20150313_00005.jpg



Broken concrete pipe was left on the waterside slope of the levee. The picture was taken from the crown looking upstream.

LM Start	9.21	Rating **	N	Issue No.	59
LM End	9.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413268 °	38.413268 °
				-121.525929 °	-121.525929 °
DWR ID	DWR_RD0150_03_s_2012_59				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP_2015_RD0150_17_59_20150313_00050.jpg



A tree stump was found on the waterside of the levee looking upstream.

* 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 2015

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	04/08/2015 04/08/2015	Pavel Kazi

LM Start	9.35	Rating **	M	Issue No.	73
LM End	9.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413169 °	38.413169 °
				-121.523707 °	-121.523707 °
DWR ID	DWR_RD0150_03_s_2012_73				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0150_17_73_20150313_00068.jpg



Thin/trim trees to allow for visibility of top 20' of waterward slope at LM 9.51.

LM Start	9.39	Rating **	M	Issue No.	950
LM End	9.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413560 °	38.413560 °
				-121.522936 °	-121.522936 °
DWR ID	DWR_RD0150_03_s_2012_950				
Action/Comments					
Equipment					

Photo 1 of 1 : SP_2015_RD0150_17_950_20150313_00104.jpg



Equipment was found on the landside of the levee looking downstream.

* 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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