

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

Reclamation District No. 2075 McMullin

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

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

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

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

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 2075 McMullin

Waterway		Bank	Unit Miles
Unit No. 01 San Joaquin River		Right	7.52

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/25/2014 - 03/25/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Eddie Cordoza RD 2075			

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
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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River		Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start		Rating **	M	Issue No.	7
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2075_01_s_2013_7				
Action/Comments					

No Photos

LM Start		Rating **	M	Issue No.	17
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2075_01_s_2012_17				
Action/Comments					

No Photos

LM Start		Rating **	M	Issue No.	19
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2075_01_s_2012_19				
Action/Comments					

No Photos

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	221
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.749405 °	37.749405 °	
			-121.288930 °	-121.288930 °	
DWR ID	DWR_RD2075_01_s_2014_221				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Looking downstream at the landside slope there are weeds presently growing on the slope. The District said that the weeds were sprayed 3-24.2014. just one day prior to this inspection 3-25-2014. Photos were taken 3-25-2014.					

Photo 1 of 1 : phillips_s_20140603_06036.jpg



RD 2075 looking downstream from levee mile 0.00 landside. Photo taken 03-25-2014.

LM Start	0.07	Rating **	M	Issue No.	217
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.748762 °	37.748083 °	
			-121.289683 °	-121.289665 °	
DWR ID	DWR_RD2075_01_s_2014_217				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.10	Rating **	M	Issue No.	218
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.748447 °	37.748259 °	
			-121.289783 °	-121.289761 °	
DWR ID	DWR_RD2075_01_s_2014_218				
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 N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	0.12	Rating **	M	Issue No.	211
LM End	0.12	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.748199 °	37.748199 °
				-121.289717 °	-121.289717 °
DWR ID	DWR_RD2075_01_s_2014_211				
Action/Comments					
Inspector Comments: FS_ID:24663 EP_NO: 4736 Repair Type: Crossing Status: UCIP Comments: - pipe not visible on waterside.no access to concrete riser on waterside.blocked siphon breaker. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 4.0 feet below the crown. Pump mounted on pile structure in drainage ditch on the landside. Siphon breaker in concrete riser unit on the waterward slope. Concrete distribution box at the toe of waterward slope. (App. No. 4736 - E. E. Brown). O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 1 : UCIP_4188.jpg



LS view: walkway, pump, service pole, and intake structure.

LM Start	0.54	Rating **	M	Issue No.	219
LM End	1.06	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.742613 °	37.739271 °
				-121.288530 °	-121.281532 °
DWR ID	DWR_RD2075_01_s_2014_219				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	0.75	Rating **	M	Issue No.	13
LM End	0.75	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.742025 °	37.742025 °
				-121.284827 °	-121.284827 °
DWR ID	DWR_RD2075_01_s_2012_13				
Action/Comments					
Tank Inspector Comments: The landowner has a fuel tank on a metal platform on the waterward levee section. This is all part of a raised pad built here before the home was built.					

No Photos

LM Start	2.35	Rating **	M	Issue No.	212
LM End	2.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.731314 °	37.731314 °
				-121.293712 °	-121.293712 °
DWR ID	DWR_RD2075_01_s_2014_212				
Action/Comments					
Inspector Comments: FS_ID:24666 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: - service pole on landside looks abandoned. Walkway in dilapidated condition. FIELD_STRUCT_DESC: 16-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in drain ditch on the landward side. Siphon breaker in CM riser unit on the waterward slope. O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 1 : UCIP_4196.jpg



LS view: walkway, pump, pile structure, and service pole.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	5.26	Rating **	M	Issue No.	213
LM End	5.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728848 °	37.728848 °
				-121.275195 °	-121.275195 °
DWR ID	DWR_RD2075_01_s_2014_213				
Action/Comments					
Inspector Comments: FS_ID:25184 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Flap gate lid displaced. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee, 8.0 feet below the crown. Pump mounted on pile structure in the river. Walkway to the pumps. Siphon breakers and concrete distribution box on the landward slope. Electric conduit through the levee. O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 1 : UCIP_4551.jpg



WS view: two pipes, walkway to pump and pile structure in the stream.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	5.34	Rating **	M	Issue No.	1
LM End	5.35	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.727933 °	37.727933 °	
			-121.274491 °	-121.274491 °	
DWR ID	DWR_RD2075_01_s_2014_1				
Action/Comments					
<p>Inspector Comments: 09/10/2013: No significant change observed. 09/13/2012: No significant change observed. 08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection. 10/05/2010: No significant changes observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U". 08/17/2007: Site is close to an irrigation pump inlet. [2013 Site ID:RD2075U01RM64.34]</p>					

Photo 1 of 1 : phillips_s_20140306_673.jpg



Looking up to the levee crown at the added material.

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	5.63	Rating **	M	Issue No.	214
LM End	5.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.724877 °	37.724877 °
				-121.271025 °	-121.271025 °
DWR ID	DWR_RD2075_01_s_2014_214				
Action/Comments					
Inspector Comments: FS_ID:24723 EP_NO: 3492 Repair Type: Crossing Status: UCIP Comments: Huge erosion on waterside levee slope due to siphon breaker leakage. It is not 16-inch but 12-inch steel pipe. Pump not mounted on pile structure but mounted on concrete sump. Siphon breaker not in concrete riser but on steel pipe. Pipe is not 8 ft. below the crown but 4 ft below the crown. Looks original pipe was replaced with new crossing. Needs more information from LMA or DWR Inspector. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump mounted on concrete sump in drain ditch on the landside. Siphon breaker on the waterside slope. (App. No. 3492&A - RD2075) O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 1 : UCIP_4198.jpg



LS view: pipe, pump and concrete sump in the drain ditch.

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

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	6.92	Rating **	M	Issue No.	215
LM End	6.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714162 °	37.714162 °
				-121.259227 °	-121.259227 °
DWR ID	DWR_RD2075_01_s_2014_215				
Action/Comments					
Inspector Comments: FS_ID:25185 EP_NO: 4051 Repair Type: Crossing Status: UCIP Comments: - exposed deformed pipe on landside slope.soil erosion also occurred around the deformed pipe.a temporary 12-inch PVC pipe also found on both sides of the levee. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 5.5 feet below the crown. Pump mounted over concrete sump at the landside levee toe. Siphon breaker in CM riser unit on the waterward shoulder. 12-inch PVC pipe 1.0 foot below the crown Installed for emergency use during 1986 floods. (App. No. 4051). O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 1 : UCIP_4557.jpg



LS view: deformed pipe and soil erosion around it (marked bottom). Pipe and pump on pile structure in drain ditch.

LM Start	6.93	Rating **	M	Issue No.	11
LM End	7.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.714010 °	37.713777 °
				-121.259605 °	-121.260675 °
DWR ID	DWR_RD2075_01_s_2012_11				
Action/Comments					
Ditch Inspector Comments: Mr. Cordoza said that he would fill in this ditch.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	03/25/2014 03/25/2014	Herman Phillips

LM Start	7.51	Rating **	M	Issue No.	216
LM End	7.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.710420 °	37.710420 °
				-121.268220 °	-121.268220 °
DWR ID	DWR_RD2075_01_s_2014_216				
Action/Comments					
Inspector Comments: FS_ID:24738 EP_NO: 2150 Repair Type: Crossing Status: UCIP Comments: Most of the pipe exposed on waterside leads investigation regarding levee subsidence along pipe alienment on landside slope. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in the river. Concrete distribution box at the landward toe. Electric conduit through the levee. (App. No. 2150 - Cardoza) O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 1 : UCIP_4202.jpg



WS view: pipe, walkway, and pump on pile structure in the river.

* 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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