

**Flood Control Project Maintenance
Levee Inspections**

**Fall 2015 Levee Maintenance Deficiency Summary Report
Overall LMA & Unit Ratings, including USACE Erosion Survey**

Sacramento River Basin

MA0017 Sutter Maintenance Yard Maintenance Area 0017	Overall LMA Rating	Total LMA Miles						
	U	3.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees		3.14	12.56	324.16%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07	0.02		
<i>LMA Totals:</i>	0.00	3.14	12.56	324.16%	0.07	0.02	0.00	0.00

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

Sutter Maintenance Yard Maintenance Area 0017

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

** 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

Fall 2015 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0017

Waterway		Bank	Unit Miles	
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek		Left	3.87	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/12/2015 - 03/12/2015		10/14/2015 - 10/14/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff Sutter Maintenance Yard	

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_MA0017_01_s_2013_7				
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_MA0017_01_s_2013_8				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_MA0017_01_s_2013_9				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	4.09	Rating **	U	Issue No.	2
LM End	7.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.142155 °	39.118735 °	
			-122.902343 °	-122.884892 °	
DWR ID	DWR_MA0017_01_s_2012_2				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trees and limbs are completely obstructing the visibility.					

Photo 1 of 1 : FA_2015_MA0017_339_2_20150910_00002.jpg



View of the trees along the waterside slope and toe.

LM Start	4.09	Rating **	A	Issue No.	1
LM End	7.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.120513 °	39.120513 °	
			-122.887085 °	-122.887085 °	
DWR ID	DWR_MA0017_01_s_2015_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard mowed the levee crown.					

Photo 1 of 1 : FA_2015_MA0017_339_1_20151016_00007.jpg



View of the mowed levee crown.

LM Start	4.09	Rating **	A	Issue No.	16
LM End	7.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.141417 °	39.118730 °	
			-122.901922 °	-122.884908 °	
DWR ID	DWR_MA0017_01_f_2015_16				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard mowed the landside slope.					

Photo 1 of 1 : FA_2015_MA0017_339_16_20151016_00005.jpg



View of no vegetation on the landside 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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	5.27	Rating **	A	Issue No.	18
LM End	5.27	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.127544 °	39.127544 °	
			-122.893763 °	-122.893763 °	
DWR ID	DWR_MA0017_01_s_2014_18				
Action/Comments					
Tree or limb Inspector Comments: Sutter Yard remove the tree limbs from the landside toe.					

Photo 1 of 1 : FA_2015_MA0017_339_18_20151016_00008.jpg



View of the removed tree limbs.

LM Start	5.34	Rating **	M	Issue No.	20
LM End	5.34	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.127449 °	39.127449 °	
			-122.893460 °	-122.893460 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44730 DS_ID:847 EP_NO: 11469 FS_HLM: 5.375 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Sack ring is still built up underneath the pipes.flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 16 inch steel drainpipe through the levee 5-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 04/24/2015					

Photo 1 of 2 : UCIP_FA_2015_2786.jpg



16-inch pipe, flap gate, air vent, and ring levee on WS 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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	5.34	Rating **	M	Issue No.	20 (cont)
LM End	5.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
			Start	End	
Item	DWR UCIP Field Study			39.127449 °	39.127449 °
DWR ID				-122.893460 °	-122.893460 °
Action/Comments					
Inspector Comments: FS_ID:44730 DS_ID:847 EP_NO: 11469 FS_HLM: 5.375 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Sack ring is still built up underneath the pipes.flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 16 inch steel drainpipe through the levee 5-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 04/24/2015					

Photo 2 of 2 : UCIP_FA_2015_2787.jpg



Pumping plant, pipes, and ring levees on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	5.99	Rating **	M	Issue No.	23
LM End	5.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126057 °	39.126057 °
				-122.883096 °	-122.883096 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44735 DS_ID:20589 EP_NO: N/A FS_HLM: 6.018 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 1 : UCIP_FA_2015_2655.jpg



Portable pump on WS and temporary piping over roadway

LM Start	6.00	Rating **	U	Issue No.	24
LM End	6.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44737 DS_ID:20588 EP_NO: N/A FS_HLM: 6.032 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Erosion still present on WS shoulder.No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 04/24/2015					

Photo 1 of 3 : UCIP_FA_2015_2792.jpg



Pump station on LS shoulder, see hydraulic pump at right.

* 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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	6.00	Rating **	U	Issue No.	24 (cont)
LM End	6.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44737 DS_ID:20588 EP_NO: N/A FS_HLM: 6.032 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Erosion still present on WS shoulder.No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 04/24/2015					

Photo 2 of 3 : UCIP_FA_2015_2793.jpg



Pipe and hydraulic lines on WS shoulder.

LM Start	6.00	Rating **	U	Issue No.	24 (cont)
LM End	6.00	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_2794.jpg



Erosion on WS shoulder

* 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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	6.00	Rating **	U	Issue No.	25
LM End	6.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44736 DS_ID:20587 EP_NO: N/A FS_HLM: 6.032 Repair Type: Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_2795.jpg



LS pump station on shoulder.

LM Start	6.00	Rating **	U	Issue No.	25 (cont)
LM End	6.00	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_2796.jpg



4-inch pvc pipe with green flexible pipe running through it on WS shoulder.

* 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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	6.00	Rating **	U	Issue No.	25 (cont)
LM End	6.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44736 DS_ID:20587 EP_NO: N/A FS_HLM: 6.032 Repair Type: Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2797.jpg



4-inch pvc pipe with green flexible pipe running through it on WS shoulder.

LM Start	6.00	Rating **	M	Issue No.	26
LM End	6.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126027 °	39.126027 °
				-122.883371 °	-122.883371 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44738 DS_ID:850 EP_NO: 11467 FS_HLM: 6.033 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Same as last inspection.This pipe and appurtances do not match what was described in the permit (PN: 11467). Does not appear to be in compliance with board regulations.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 12-inch drainpipe through the levee, 2-feet below the crown. Butterfly Valve on the landward shoulder. Pump and electric panel along with multiple valves and appurtances on LS shoulder. (ABO No.11467-Modglin)O&M manual Vol. 5, Revision Year 2010. FS Date: 04/24/2015					

Photo 1 of 3 : UCIP_FA_2015_2806.jpg



Pumping plant and appurtances on LS shoulder.

* 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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	6.00	Rating **	M	Issue No.	26 (cont)
LM End	6.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126027 °	39.126027 °
				-122.883371 °	-122.883371 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44738 DS_ID:850 EP_NO: 11467 FS_HLM: 6.033 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Same as last inspection.This pipe and appurtances do not match what was described in the permit (PN: 11467). Does not appear to be in compliance with board regulations.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 12-inch drainpipe through the levee, 2-feet below the crown. Butterfly Valve on the landward shoulder. Pump and electric panel along with multiple valves and appurtances on LS shoulder. (ABO No.11467-Modglin)O&M manual Vol. 5, Revision Year 2010. FS Date: 04/24/2015					

Photo 2 of 3 : UCIP_FA_2015_2807.jpg



12-inch pipe and appurtances on WS shoulder.

LM Start	6.00	Rating **	M	Issue No.	26 (cont)
LM End	6.00	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_2808.jpg



12-inch pipe and appurtances on WS shoulder.

* 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 - Fall 2015

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	10/14/2015 10/14/2015	Bob Duffey

LM Start	7.15	Rating **	M	Issue No.	27
LM End	7.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.120083 °	39.120083 °
				-122.886502 °	-122.886502 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44739 DS_ID:851 EP_NO: 11467 FS_HLM: 7.185 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 2 : UCIP_FA_2015_2809.jpg



Steel plate welded over end of pipe at LS toe.

LM Start	7.15	Rating **	M	Issue No.	27 (cont)
LM End	7.15	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2015_2810.jpg



Pumping plant in shed on LS at drainage ditch.

* 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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