

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

Lake County Watershed Protection District

	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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles
Unit No. 01 Middle Creek	Left	3.42

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/16/2014 - 04/16/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Tom Smythe Lake County			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
				°	°
DWR ID	DWR_NA0009_01_s_2013_1				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
				°	°
DWR ID	DWR_NA0009_01_s_2013_9				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
				°	°
DWR ID	DWR_NA0009_01_s_2013_10				
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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.12	Rating **	M	Issue No.	12
LM End	0.12	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.188877 °	39.188877 °	
			-122.907581 °	-122.907581 °	
DWR ID	DWR_NA0009_01_s_2013_12				
Action/Comments					
Fence					

Photo 1 of 1 : rduffey_s_20140304_539.jpg



View of the unauthorized encroachment fence along landside slope.

LM Start	0.25	Rating **	M	Issue No.	11
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.186777 °	39.186777 °	
			-122.908102 °	-122.908102 °	
DWR ID	DWR_NA0009_01_s_2013_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : rduffey_s_20140421_171.jpg



Remove the trees from 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 - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	18
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183519 °	39.183519 °
				-122.911379 °	-122.911379 °
DWR ID	DWR_NA0009_01_s_2014_18				
Action/Comments					
Inspector Comments: FS_ID:26943 EP_NO: 5237 Repair Type: Crossing Status: UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe possibly sleeved through an 8-inch steel pipe, 3.0-feet below the crown. Siphon breaker in 24-inch CMP riser on the landward slope. Reinforced concrete cutoff wall at center of levee. Butterfly valve on the waterward side at pump on concrete base on the waterward bank, installed under Permit No. 5237 (1971). Pole on the waterward berm, with overhead power line supplying electricity to pump. Originally included in the 1961 O+M manual. FS Date: 1/9/2014					

Photo 1 of 1 : UCIP_5373.jpg



Pump and butterfly valve on WS berm.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.85	Rating **	M	Issue No.	19
LM End	0.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.179533 °	39.179533 °
				-122.912511 °	-122.912511 °
DWR ID	DWR_NA0009_01_s_2014_19				
Action/Comments					
Inspector Comments: FS_ID:26946 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Pump and pipe appear abandoned and should be done so properly. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Siphon breaker in 24-inch CMP riser on landward slope. Pump on the waterward bank with a butterfly valve. Service pole on the waterward berm. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.83). FS Date: 1/9/2014					

Photo 1 of 1 : UCIP_5376.jpg



Pump and butterfly valve visible on WS berm.

LM Start	2.01	Rating **	A	Issue No.	21
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.163537 °	39.163537 °
				-122.915628 °	-122.915628 °
DWR ID	DWR_NA0009_01_s_2014_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : rduffey_s_20140421_176.jpg



View of the native grasses on both slopes.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start	2.29	Rating **	M	Issue No.	13
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.160285 °	39.160285 °
				-122.913481 °	-122.913481 °
DWR ID	DWR_NA0009_01_s_2013_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : rduffey_s_20140304_540.jpg



View of the vehicle erosion along the waterside slope.

LM Start	2.35	Rating **	M	Issue No.	20
LM End	2.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.161002 °	39.161002 °
				-122.912843 °	-122.912843 °
DWR ID	DWR_NA0009_01_s_2014_20				
Action/Comments					
Inspector Comments: FS_ID:27004 EP_NO: 11460 Repair Type: Crossing Status: UCIP Comments: Heavy vegetation on LS at inlet should be removed. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on waterward end. Concrete headwall on both ends. Originally included in 1961 O+M manual. Pipe retained under ABO No. 11460 (1975). FS Date: 1/14/2014					

Photo 1 of 1 : UCIP_5380.jpg



Concrete U-shaped headwall and flap gate on WS berm.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start	2.37	Rating **	M	Issue No.	14
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.161153 °	39.161153 °	
			-122.912740 °	-122.912740 °	
DWR ID	DWR_NA0009_01_s_2013_14				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : rduffey_s_20140304_541.jpg



View of the vehicle erosion along the waterside slope.

LM Start	2.37	Rating **	M	Issue No.	15
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.161381 °	39.161708 °	
			-122.912551 °	-122.912168 °	
DWR ID	DWR_NA0009_01_s_2013_15				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : rduffey_s_20140304_542.jpg



Trim the trees up 5 feet to allow visibility.

LM Start	2.40	Rating **	M	Issue No.	7
LM End	2.40	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.160217 °	39.161692 °	
			-122.912957 °	-122.911748 °	
DWR ID	DWR_NA0009_01_s_2012_7				
Action/Comments					
Building					

Photo 1 of 1 : rduffey_s_20140304_537.jpg



View of a building & fence along the 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 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start	2.40	Rating **	M	Issue No.	16
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.161601 °	39.161601 °	
			-122.912303 °	-122.912303 °	
DWR ID	DWR_NA0009_01_s_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : rduffey_s_20140304_543.jpg



View of the vehicle erosion along the waterside slope.

LM Start	2.42	Rating **	M	Issue No.	17
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.161802 °	39.161802 °	
			-122.912020 °	-122.912020 °	
DWR ID	DWR_NA0009_01_s_2013_17				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : rduffey_s_20140304_544.jpg



View of vehicle erosion along landside slope.

LM Start	2.48	Rating **	M	Issue No.	3
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.161615 °	39.160795 °	
			-122.911733 °	-122.912442 °	
DWR ID	DWR_NA0009_01_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : rduffey_s_20140304_535.jpg



View of the vegetation along 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 - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	04/16/2014 04/16/2014	Bob Duffey

LM Start	2.58	Rating **	M	Issue No.	4
LM End	2.61	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.160398 °	39.159952 °	
			-122.912837 °	-122.913220 °	
DWR ID	DWR_NA0009_01_s_2012_4				
Action/Comments					
Fence					

Photo 1 of 1 : rduffey_s_20140304_536.jpg



View of the fences at the L/S toe.

LM Start	2.62	Rating **	M	Issue No.	5
LM End	2.67	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.159657 °	39.159657 °	
			-122.913345 °	-122.913345 °	
DWR ID	DWR_NA0009_01_s_2012_5				
Action/Comments					
Landscaping					

Photo 1 of 1 : rduffey_s_20140421_177.jpg



View of the landscape along the landside slope.

LM Start	2.68	Rating **	M	Issue No.	6
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.159117 °	39.158408 °	
			-122.913442 °	-122.913557 °	
DWR ID	DWR_NA0009_01_s_2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Lake County Watershed Protection District

Waterway	Bank	Unit Miles
Unit No. 02 Middle Creek	Right	3.13

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/16/2014 - 04/16/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Tom Smythe Lake County			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	4
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.189540 °	39.187900 °	
			-122.908065 °	-122.908655 °	
DWR ID	DWR_NA0009_02_s_2013_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : rduffey_s_20140304_551.jpg



Trim the trees up 5 feet to allow visibility.

LM Start	0.07	Rating **	M	Issue No.	19
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.188772 °	39.188772 °	
			-122.908465 °	-122.908465 °	
DWR ID	DWR_NA0009_02_s_2014_19				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : rduffey_s_20140421_172.jpg



View of the elderberries along the landside slope.

LM Start	0.20	Rating **	U	Issue No.	1
LM End	0.20	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.187039 °	39.187039 °	
			-122.908880 °	-122.908880 °	
DWR ID	DWR_NA0009_02_s_2012_1				
Action/Comments					
Building					

Photo 1 of 1 : rduffey_s_20140421_175.jpg



View of the building that all vegetation has been removed.

<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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.24	Rating **	M	Issue No.	9
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.186739 °	39.186038 °	
			-122.909436 °	-122.909948 °	
DWR ID	DWR_NA0009_02_s_2013_9				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : rduffey_s_20140304_554.jpg



Trim the trees up 5 feet to allow visibility.

LM Start	0.39	Rating **	M	Issue No.	8
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.185160 °	39.185160 °	
			-122.911138 °	-122.911138 °	
DWR ID	DWR_NA0009_02_s_2012_8				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : rduffey_s_20140304_553.jpg



View of erosion along slope of the levee by both sides of the headwall.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.48	Rating **	M	Issue No.	6
LM End	0.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.184080 °	39.184080 °
				-122.912130 °	-122.912130 °
DWR ID	DWR_NA0009_02_s_2014_6				
Action/Comments					
Inspector Comments: FS_ID:27563 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: 1.5-inch HDPE irrigation pipe through the levee at unknown depth below the crown. Pipe visible on WS berm slope. Pumphouse on LS toe. FS Date: 1/14/2014 7:19:18 AM					

Photo 1 of 1 : UCIP_5446.jpg



cut across levee crown visible along pipe alignment.

LM Start	0.50	Rating **	M	Issue No.	11
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183775 °	39.183775 °
				-122.912187 °	-122.912187 °
DWR ID	DWR_NA0009_02_s_2014_11				
Action/Comments					
Inspector Comments: FS_ID:27202 EP_NO: 8513 Repair Type: Crossing Status: UCIP Comments: Appears pipe is leaking on WS toe of Levee at mud pit FIELD_STRUCT_DESC: 1 of 2: 1.25-inch steel pipe through the levee, 2.0 feet below the levee. Steel cutoff wall around pipe at center of levee. Well with 8-inch casing on waterward slope. (Permit No. 8513-1974) FS Date: 1/14/2014					

Photo 1 of 1 : UCIP_5395.jpg



Pump and pipe visible at wooden box on WS berm.

* 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	12
LM End	0.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183130 °	39.183130 °
				-122.912198 °	-122.912198 °
DWR ID	DWR_NA0009_02_s_2014_12				
Action/Comments					
Inspector Comments: FS_ID:27208 EP_NO: 11482 Repair Type: Crossing Status: UCIP Comments: Fence on LS slope creates access issue. FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.54). This pipe was retained under ABO No. 11482 (1975). FS Date: 1/14/2014					

Photo 1 of 1 : UCIP_5398.jpg



Concrete headwall on LS toe.

LM Start	1.03	Rating **	M	Issue No.	7
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.177218 °	39.176992 °
				-122.913673 °	-122.913642 °
DWR ID	DWR_NA0009_02_s_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	1.05	Rating **	M	Issue No.	5
LM End	1.05	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.176875 °	39.176875 °	
			-122.913685 °	-122.913685 °	
DWR ID	DWR_NA0009_02_s_2012_5				
Action/Comments					
Building					

Photo 1 of 1 : rduffey_s_20140304_552.jpg



View of building & vegetation along the levee toe.

LM Start	1.06	Rating **	M	Issue No.	3
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.176835 °	39.176835 °	
			-122.913558 °	-122.913558 °	
DWR ID	DWR_NA0009_02_s_2012_3				
Action/Comments					
Tree or limb					

Photo 1 of 1 : rduffey_s_20140304_550.jpg



View of the tree prunings on the W/S toe.

LM Start	1.06	Rating **	U	Issue No.	2
LM End	1.06	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.176815 °	39.176815 °	
			-122.913540 °	-122.913540 °	
DWR ID	DWR_NA0009_02_s_2012_2				
Action/Comments					
Fence					

Photo 1 of 1 : rduffey_s_20140304_549.jpg



View of the building & fence along the L/S toe.

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	1.15	Rating **	U	Issue No.	10
LM End	1.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175460 °	39.175075 °
				-122.913400 °	-122.913392 °
DWR ID	DWR_NA0009_02_s_2013_10				
Action/Comments					
Fence					

Photo 1 of 1 : rduffey_s_20140304_555.jpg



View of the unauthorized fence along the landside toe.

LM Start	1.23	Rating **	M	Issue No.	13
LM End	1.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.174370 °	39.174370 °
				-122.913543 °	-122.913543 °
DWR ID	DWR_NA0009_02_s_2014_13				
Action/Comments					
Inspector Comments: FS_ID:27590 EP_NO: 11483 Repair Type: Crossing Status: UCIP Comments: Pipe appears abandoned and if so, should be done so properly. FIELD_STRUCT_DESC: 30-inch CM drainpipe through the levee, 17.8 feet below the crown. Slide gate in 44-inch diameter CMP riser waterward slope. Flap gate on the waterward end at concrete headwall. 6'X8' concrete sump at landward toe. (USACE-1961). Originally included in O&M manual (HLM 1.22). This pipe was retained under ABO No. 11483 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5451.jpg



Slide gate in 44-inch CMP riser on WS shoulder.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	1.77	Rating **	M	Issue No.	14
LM End	1.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167155 °	39.167155 °
				-122.916610 °	-122.916610 °
DWR ID	DWR_NA0009_02_s_2014_14				
Action/Comments					
Inspector Comments: FS_ID:27606 EP_NO: 15825 Repair Type: Crossing Status: UCIP Comments: Pipe with closure device not visible on WS toe. Clear soil from pipe and cover for better verification of closure. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.0 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Exposed filter at landward slope. Seasonal pump on waterward slope. (Permit No. 15825-1992) FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5453.jpg



T-post at WS toe may indicate location of pipe end. Covered with soil.

LM Start	2.01	Rating **	M	Issue No.	15
LM End	2.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163509 °	39.163509 °
				-122.916726 °	-122.916726 °
DWR ID	DWR_NA0009_02_s_2014_15				
Action/Comments					
Inspector Comments: FS_ID:27607 EP_NO: 18228 Repair Type: Crossing Status: UCIP Comments: Pipe not found and no indication it was installed. Contact inspector for further info. FIELD_STRUCT_DESC: To install a 3-inch diameter sewer pipeline through both the east and west levees of Middle Creek with the pipeline encased in a 6-inch diameter sleeve attached to the Hwy 20 Bridge across Middle Creek. (Permit No. 18228) FS Date: 1/22/2014					

No Photos

* Location
LS : Land Side
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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	2.03	Rating **	M	Issue No.	16
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163414 °	39.163414 °
				-122.916741 °	-122.916741 °
DWR ID	DWR_NA0009_02_s_2014_16				
Action/Comments					
Inspector Comments: FS_ID:27624 EP_NO: 15865 Repair Type: Crossing Status: UCIP Comments: Permit number likely revised from 15865. Verify with inspector and modify entry as required. FIELD_STRUCT_DESC: 8-inch steel sewer line (pressurized) through the levee, 3.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on waterward levee shoulder. Pipe visible under bridge (Permit No. 15865-1991). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5456.jpg



Pipe visible under bridge.

LM Start	2.07	Rating **	M	Issue No.	17
LM End	2.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.162753 °	39.162753 °
				-122.916811 °	-122.916811 °
DWR ID	DWR_NA0009_02_s_2014_17				
Action/Comments					
Inspector Comments: FS_ID:27629 EP_NO: 17191 Repair Type: Crossing Status: UCIP Comments: Appears abandoned, if so it should be done so properly. FIELD_STRUCT_DESC: 2 of 2: 2-inch PVC pipe through the levee, 2.0 feet below the crown. Well and electric pump at waterward toe. Pole and meter(Permit No. 17191-2000) FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5458.jpg



Meter and control on LS slope next to 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	04/16/2014 04/16/2014	Bob Duffey

LM Start	2.92	Rating **	M	Issue No.	18
LM End	2.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151257 °	39.151257 °
				-122.914908 °	-122.914908 °
DWR ID	DWR_NA0009_02_s_2014_18				
Action/Comments					
Inspector Comments: FS_ID:27630 EP_NO: 11481 Repair Type: Crossing Status: UCIP Comments: Soil partially blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93). This pipe was retained under ABO No. 11481 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5460.jpg



Concrete headwall and flapgate visible at WS berm.

<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**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Lake County Watershed Protection District

Waterway		Bank	Unit Miles
Unit No. 03 Scotts Creek		Left	1.35

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/16/2014 - 04/16/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Tom Smythe Lake County			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.07	Rating **	A	Issue No.	9
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.149084 °	39.149084 °
				-122.914835 °	-122.914835 °
DWR ID	DWR_NA0009_03_s_2014_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : rduffey_s_20140421_173.jpg



View of the native grasses on both slopes.

LM Start	0.53	Rating **	M	Issue No.	2
LM End	0.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.154786 °	39.154786 °
				-122.918703 °	-122.918703 °
DWR ID	DWR_NA0009_03_s_2014_2				
Action/Comments					
Inspector Comments: FS_ID:27863 EP_NO: 11492 Repair Type: Crossing Status: UCIP Comments: Vegetation at inlet and wooden box failing at LS toe. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends with a wooden retaining wall drop inlet at LS toe (USACE-1961). Originally included in O&M manual (HLM 0.55). This pipe was retained under ABO No. 11492 (1975). USACE O&M DWG No. CC-4-4-29. FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5536.jpg



Concrete headwall and flapgate visible at WS berm.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.74	Rating **	M	Issue No.	3
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157443 °	39.157443 °
				-122.920110 °	-122.920110 °
DWR ID	DWR_NA0009_03_s_2014_3				
Action/Comments					
Inspector Comments: FS_ID:27891 EP_NO: 11492 Repair Type: Crossing Status: UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 4-inch steel pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-inch CMP riser on LS shoulder. Pump on concrete platform on waterward side. Hose chute and concrete stairway on waterward slope. This pipe was retained under ABO No. 11492 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5540.jpg



Siphon at LS shoulder inside 24-inch CMP riser.

LM Start	0.76	Rating **	M	Issue No.	4
LM End	0.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157759 °	39.157759 °
				-122.920301 °	-122.920301 °
DWR ID	DWR_NA0009_03_s_2014_4				
Action/Comments					
Inspector Comments: FS_ID:27892 EP_NO: 11492 Repair Type: Crossing Status: UCIP Comments: Some sediment buildup at inlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Concrete spillway on waterward slope to bottom of channel. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.79). This pipe was retained under ABO No. 11492 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5545.jpg



Concrete headwall visible next to concrete standpipe on LS toe.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.91	Rating **	M	Issue No.	5
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.159736 °	39.159736 °
				-122.921042 °	-122.921042 °
DWR ID	DWR_NA0009_03_s_2014_5				
Action/Comments					
Inspector Comments: FS_ID:27894					
EP_NO: 11488					
Repair Type:					
Crossing Status:					
UCIP Comments: Concrete headwall on WS berm is being undermined. 2-foot of scour under headwall.					
FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 16.5 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.94). This pipe was retained under ABO No. 11488 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5550.jpg



Flapgate and headwall off WS toe.

LM Start	0.97	Rating **	M	Issue No.	1
LM End	0.97	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.160108 °	39.160108 °
				-122.922110 °	-122.922110 °
DWR ID	DWR_NA0009_03_s_2012_1				
Action/Comments					
Tank					

Photo 1 of 1 : rduffey_s_20140421_174.jpg



View of the tank on the waterside slope that has a permit on it.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	6
LM End	0.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160129 °	39.160129 °
				-122.922117 °	-122.922117 °
DWR ID	DWR_NA0009_03_s_2014_6				
Action/Comments					
Inspector Comments: FS_ID:27903 EP_NO: 11488 Repair Type: Crossing Status: UCIP Comments: Siphon breaker standpipe knocked over and covered with dirt. Pipe and appurtances appear to be in disrepair. Gate valves next to tank broken. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-cmp riser on LS shoulder. Screw gate on waterside slope next to pump and 300-gallon tank. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.02). This pipe was retained under ABO No. 11488 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5555.jpg



Pump at concrete pad on WS berm.

LM Start	1.01	Rating **	M	Issue No.	7
LM End	1.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160117 °	39.160117 °
				-122.922144 °	-122.922144 °
DWR ID	DWR_NA0009_03_s_2014_7				
Action/Comments					
Inspector Comments: FS_ID:27943 EP_NO: 11488 Repair Type: Crossing Status: UCIP Comments: Some vegetation buildup at inlet and outlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 14.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01). This pipe was retained under ABO No. 11488 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5559.jpg



Concrete Headwall on WS berm.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	04/16/2014 04/16/2014	Bob Duffey

LM Start	1.06	Rating **	M	Issue No.	8
LM End	1.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.159803 °	39.159803 °
				-122.923501 °	-122.923501 °
DWR ID	DWR_NA0009_03_s_2014_8				
Action/Comments					
Inspector Comments: FS_ID:27944 EP_NO: 11489 Repair Type: Crossing Status: UCIP Comments: Some sedimentation buildup at inlet and through pipe. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.5 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.09). This pipe was retained under ABO No. 11489 (1975). FS Date: 1/22/2014					

Photo 1 of 1 : UCIP_5563.jpg



Flasher on crown marks pipe location.

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

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Lake County Watershed Protection District

Waterway	Bank	Unit Miles
Unit No. 04 Poge, Alley and Clover Creek Diversion	Right	1.53

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/16/2014 - 04/16/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Tom Smythe Lake County			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Poge, Alley and Clover Creek Diversion	Right	1.53	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.53	Rating **	M	Issue No.	4
LM End	0.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176410 °	39.176410 °
				-122.902740 °	-122.902740 °
DWR ID	DWR_NA0009_04_s_2014_4				
Action/Comments					
Inspector Comments: FS_ID:26907 EP_NO: 6303 Repair Type: Crossing Status: UCIP Comments: Pipe open on waterward side and should be plugged. FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee, 1.5-feet below the crown. Steel cutoff wall around the pipe at center of levee. Pipe connects to 4-inch exposed aluminum pipe connected to upstream side of bridge (Permit No. 6303-1969). FS Date: 1/9/2014					

Photo 1 of 1 : UCIP_5366.jpg



Pipe visible on upstream side of bridge.

LM Start	0.76	Rating **	M	Issue No.	5
LM End	0.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177675 °	39.177675 °
				-122.898916 °	-122.898916 °
DWR ID	DWR_NA0009_04_s_2014_5				
Action/Comments					
Inspector Comments: FS_ID:26908 EP_NO: 11501 Repair Type: Crossing Status: UCIP Comments: Pipe rusted through at connection to flapgate. Good indication pipe may need replacement. Video inspection recommended. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 13.8 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally included in the 1961 O&M manual This pipe was retained under ABO No. 11501 (1975). FS Date: 1/9/2014					

Photo 1 of 1 : UCIP_5371.jpg



Drainage canal at inlet on LS toe.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Poge, Alley and Clover Creek Diversion	Right	1.53	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.79	Rating **	M	Issue No.	1
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.177730 °	122.898700 °	
			°	°	
DWR ID	DWR_NA0009_04_s_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : rduffey_s_20140304_572.jpg



View of tall native grasses on both slopes.

LM Start	0.82	Rating **	M	Issue No.	3
LM End	0.87	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments				
			°	°	
DWR ID	DWR_NA0009_04_s_2012_3				
Action/Comments					
Fence					

No Photos

LM Start	1.05	Rating **	M	Issue No.	2
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.180479 °	39.181947 °	
			-122.896567 °	-122.895112 °	
DWR ID	DWR_NA0009_04_s_2012_2				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : rduffey_s_20140304_573.jpg



Remove the trees and vegetation from the 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 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Poge, Alley and Clover Creek Diversion	Right	1.53	04/16/2014 04/16/2014	Bob Duffey

LM Start	1.19	Rating **	M	Issue No.	9
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.182154 °	39.182951 °
				-122.895005 °	-122.894409 °
DWR ID	DWR_NA0009_04_s_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : rduffey_s_20140421_170.jpg



View of the vegetation growing at the toe.

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

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Lake County Watershed Protection District

Waterway		Bank	Unit Miles	
Unit No. 05 Clover Creek and Clover Creek Diversion		Left	1.04	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/16/2014 - 04/16/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Tom Smythe Lake County			

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.30	Rating **	M	Issue No.	3
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.176957 °	39.176957 °	
			-122.898673 °	-122.898673 °	
DWR ID	DWR_NA0009_05_s_2012_3				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	0.31	Rating **	M	Issue No.	4
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.177076 °	39.177076 °	
			-122.898879 °	-122.898879 °	
DWR ID	DWR_NA0009_05_s_2014_4				
Action/Comments					
Inspector Comments: FS_ID:26897 EP_NO: 11507 Repair Type: Crossing Status: UCIP Comments: Some sediment buildup at LS toe. FIELD_STRUCT_DESC: 1 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Slide gate on waterward end. Steel walkway on waterward slope to slide gate. Concrete headwall on both ends. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975). FS Date: 1/9/2014					

Photo 1 of 1 : UCIP_5364.jpg



Slide gate at steel walkway on WS toe.

* 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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	5
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177074 °	39.177074 °
				-122.898902 °	-122.898902 °
DWR ID	DWR_NA0009_05_s_2014_5				
Action/Comments					
Inspector Comments: FS_ID:26891 EP_NO: 11507 Repair Type: Crossing Status: UCIP Comments: Some sediment buildup on LS toe. FIELD_STRUCT_DESC: 2 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Slide gate on waterward end. Steel walkway on waterward slope to slide gate. Concrete headwalls on both ends. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975). FS Date: 1/9/2014					

No Photos

LM Start	0.32	Rating **	M	Issue No.	6
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177078 °	39.177078 °
				-122.898926 °	-122.898926 °
DWR ID	DWR_NA0009_05_s_2014_6				
Action/Comments					
Inspector Comments: FS_ID:26888 EP_NO: 11507 Repair Type: Crossing Status: UCIP Comments: Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: 3 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Concrete headwall on both ends. Steel slide gate plate blocks inlet on WS toe. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975). FS Date: 1/9/2014					

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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	7
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177074 °	39.177074 °
				-122.898949 °	-122.898949 °
DWR ID	DWR_NA0009_05_s_2014_7				
Action/Comments					
Inspector Comments: FS_ID:26885 EP_NO: 11507 Repair Type: Crossing Status: UCIP Comments: Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: 4 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Concrete headwall on both ends [Clover Creek Diversion Structure] . Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975). FS Date: 1/9/2014					

No Photos

LM Start	0.32	Rating **	M	Issue No.	8
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177070 °	39.177070 °
				-122.898967 °	-122.898967 °
DWR ID	DWR_NA0009_05_s_2014_8				
Action/Comments					
Inspector Comments: FS_ID:26883 EP_NO: 11507 Repair Type: Crossing Status: UCIP Comments: Some sediment buildup on LS toe. FIELD_STRUCT_DESC: 5 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Concrete headwall on both ends [Clover Creek Diversion Structure] . Steel slide gate blocks inlet on WS toe. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975). FS Date: 1/9/2014					

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

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	04/16/2014 04/16/2014	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	9
LM End	0.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.177066 °	39.177066 °
				-122.898986 °	-122.898986 °
DWR ID	DWR_NA0009_05_s_2014_9				
Action/Comments					
Inspector Comments: FS_ID:26877 EP_NO: 11507 Repair Type: Crossing Status: UCIP Comments: Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: 6 of 6: 36-inch CM pipe through the levee, 12.0 feet below the crown [Clover Creek Diversion Structure]. Concrete headwall on both ends. Steel slide gate covers WS inlet. Structure and pipes retained under ABO Permit No. 11507 (1975). Originally included in 1961 O+M manual. FS Date: 1/9/2014					

No Photos

LM Start	0.95	Rating **	A	Issue No.	10
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.175764 °	39.175764 °
				-122.910291 °	-122.910291 °
DWR ID	DWR_NA0009_05_s_2014_10				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : rduffey_s_20140421_190.jpg



View of the native grasses on both slopes.

* 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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