

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

Reclamation District No. 2035 Conaway

	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. 2035 Conaway

Waterway		Bank	Unit Miles	
Unit No. 01 Cache Creek Settling Basin		Right	2.01	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/29/2014 - 04/29/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin			Right	2.01	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2035_01_s_2013_3				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2035_01_s_2013_4				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2035_01_s_2013_5				
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. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin		Right	2.01	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.00	Rating **	U	Issue No.	7
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677367 °	38.677166 °	
			-121.709906 °	-121.672758 °	
DWR ID	DWR_RD2035_01_s_2014_7				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_491.jpg



This photo was taken from the crown facing west looking down the landward slope at vegetation requiring annual maintenance. Spring 2014.

LM Start	0.00	Rating **	U	Issue No.	8
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677367 °	38.677166 °	
			-121.709906 °	-121.672758 °	
DWR ID	DWR_RD2035_01_s_2014_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_492.jpg



This photo was taken from the crown facing west looking down the waterward slope at vegetation requiring annual maintenance. Spring 2014

* 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. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin		Right	2.01	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.00	Rating **	M	Issue No.	14
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677367 °	38.677166 °	
			-121.709906 °	-121.672758 °	
DWR ID	DWR_RD2035_01_s_2014_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_493.jpg



This photo was taken from the crown facing west looking directly down the crown road at vegetation requiring annual maintenance. Spring 2014

LM Start	0.01	Rating **	C	Issue No.	10
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677368 °	38.677175 °	
			-121.709713 °	-121.672947 °	
DWR ID	DWR_RD2035_01_f_2013_10				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.01	Rating **	C	Issue No.	9
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677370 °	38.677370 °	
			-121.709712 °	-121.709712 °	
DWR ID	DWR_RD2035_01_f_2013_9				
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	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

Reclamation District No. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin		Right	2.01	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.03	Rating **	M	Issue No.	1
LM End	0.03	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.677362 °	38.677362 °	
			-121.709327 °	-121.709327 °	
DWR ID	DWR_RD2035_01_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:16063 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Gas line of an unknown diameter through the levee at an unknown depth. Gas line markers on both sides of levee. FS Date: 4/2/2013					

Photo 1 of 1 : UCIP_1409.jpg



Gasline marker on LS toe.

LM Start	0.03	Rating **	A/W	Issue No.	11
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.677347 °	38.677175 °	
			-121.709285 °	-121.672945 °	
DWR ID	DWR_RD2035_01_f_2013_11				
Action/Comments					
Agricultural tilling Inspector Comments: Discing on the waterward slope can lead to erosion.					

Photo 1 of 1 : mhoffman_s_20140401_265.jpg



This photo was taken from the levee crown facing east looking at discing on the waterward slope. Fall 2013.

* 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. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.03	Rating **	C	Issue No.	12
LM End	0.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677360 °	38.677333 °	
			-121.709280 °	-121.704322 °	
DWR ID	DWR_RD2035_01_f_2013_12				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	1.85	Rating **	M	Issue No.	2
LM End	1.85	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.677186 °	38.677186 °	
			-121.675276 °	-121.675276 °	
DWR ID	DWR_RD2035_01_s_2014_2				
Action/Comments					
Inspector Comments: FS_ID:10913 EP_NO: 13201 Repair Type: Crossing Status: UCIP Comments: Pipe needs to be properly marked or abandoned. FIELD_STRUCT_DESC: 8-inch diameter casing through the levee 25-feet below the crown. 3-inch gas line through the casing with annular space filled with Bentonite. Possible vent for pipe on LS next to Old River Road. FS Date: 4/2/2013					



Natural gas well on south side of Old river road.

* 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. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	1.91	Rating **	M	Issue No.	6
LM End	1.91	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677175 °	38.677175 °
				-121.674065 °	-121.674065 °
DWR ID	DWR_RD2035_01_s_2014_6				
Action/Comments					
Inspector Comments: FS_ID:10914 EP_NO: 2544 Repair Type: Crossing Status: UCIP Comments: Pipe appears to be abandoned as there is no pumphouse. Needs to be abandoned properly FIELD_STRUCT_DESC: 16-inch drainage pipe through levee 5.0 feet below crown. Pump on piling structure in drainage ditch on landward side. 36-inch concrete standpipe on waterward shoulder. (Permit No. 2544 - City of Woodland) FS Date: 4/2/2013					

Photo 1 of 1 : UCIP_400.jpg



36-inch Concrete stand pipe on WS shoulder.

LM Start	2.00	Rating **	A/W	Issue No.	13
LM End	2.00	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.677177 °	38.677177 °
				-121.672870 °	-121.672870 °
DWR ID	DWR_RD2035_01_f_2013_13				
Action/Comments					
Pipe Inspector Comments: Pipes at east end of unit now have flap gates installed but propped open with debris.					

Photo 1 of 1 : mhoffman_s_20140401_266.jpg



This photo was taken from the levee crown facing east at the intersection of unit 2 looking down at flap gates that are propped open with debris. Fall 2013.

* 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

Reclamation District No. 2035 Conaway

Waterway		Bank	Unit Miles
Unit No. 02 Yolo Bypass		Right	7.57

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/29/2014 - 04/29/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass		Right	7.57	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.00	Rating **	M	Issue No.	14
LM End	7.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677166 °	38.575767 °	
			-121.672758 °	-121.634701 °	
DWR ID	DWR_RD2035_02_s_2014_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_494.jpg



This photo was taken from the crown facing south looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

LM Start	0.00	Rating **	M	Issue No.	15
LM End	7.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.677166 °	38.575767 °	
			-121.672758 °	-121.634701 °	
DWR ID	DWR_RD2035_02_s_2014_15				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_495.jpg



This photo was taken from the crown facing south looking down the waterward levee slope at vegetation requiring maintenance. Spring 2014.

LM Start	0.00	Rating **	M	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.676913 °	38.676913 °	
			-121.672720 °	-121.672720 °	
DWR ID	DWR_RD2035_02_f_2013_18				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.57	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.16	Rating **	M	Issue No.	4
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.673229 °	38.672069 °	
			-121.671732 °	-121.671516 °	
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Slumping of the lower toe. New slumped section on downstream end. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: YOL_0-1_R]					

No Photos

LM Start	0.37	Rating **	M	Issue No.	1
LM End	0.37	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.671812 °	38.671812 °	
			-121.671580 °	-121.671580 °	
DWR ID	DWR_RD2035_02_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:10923 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Flap gate broken in half on WS toe. Some erosion at headwalls on pumping plant. FIELD_STRUCT_DESC: 44-inch C.M. pipe through levee 22.0 feet below crown. Pump in drainage ditch at toe of landward slope, slide gate and flap gates in 5X9-foot concrete box. Flap gate on waterward end. 8-inch vent/standpipe at waterward toe. Originally included in O+M (1959). FS Date: 4/2/2013					

Photo 1 of 1 : UCIP_405.jpg



Pump at drainage channel.

* 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. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass		Right	7.57	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	1.19	Rating **	M	Issue No.	5
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.660050 °	38.659465 °	
			-121.669028 °	-121.668940 °	
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Small sections of slumping, likely from wind wave. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: YOL_1-2_R]					

No Photos

LM Start	1.70	Rating **	M	Issue No.	2
LM End	1.70	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.652721 °	38.652721 °	
			-121.667790 °	-121.667790 °	
DWR ID	DWR_RD2035_02_s_2014_2				
Action/Comments					
Inspector Comments: FS_ID:11523 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Pipe does not have appropriate cover and is marked as gasoline. Does not appear to be a permitted utility. FIELD_STRUCT_DESC: 4-inch steel pipe 3-inches below the crown with a 2-inch PVC pipe sleeved through it. FS Date: 4/2/2013 7:55:12 AM					

Photo 1 of 1 : UCIP_468.jpg



Pipe with gasline markers on WS 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

Reclamation District No. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass		Right	7.57	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	1.97	Rating **	M	Issue No.	6
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.648881 °	38.648178 °	
			-121.666653 °	-121.666385 °	
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Small sections of slumping lower bank, just downstream of bank rock. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: YOL_2-0_R]					

No Photos

LM Start	2.16	Rating **	M	Issue No.	979
LM End	4.36	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.646063 °	38.623062 °	
			-121.666332 °	-121.648925 °	
DWR ID	DWR_RD2035_02_s_2012_979				
Action/Comments					
Ditch					

Photo 1 of 1 : mhoffman_s_20140401_271.jpg



Drainage ditch at L/S levee toe.

LM Start	2.25	Rating **	M	Issue No.	7
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.645319 °	38.640997 °	
			-121.665089 °	-121.661878 °	
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Erosion from wind waves along entire length of the levee toe. Several sections of slumping bank along the toe. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: YOL_2-3_R]					

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

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.57	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	2.76	Rating **	M	Issue No.	8
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.638731 °	38.632783 °	
			-121.660247 °	-121.655864 °	
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Wave wash erosion and several sections of slumping bank along the toe. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: YOL_2-8_R]					

No Photos

LM Start	4.06	Rating **	M	Issue No.	9
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.622224 °	38.618302 °	
			-121.648201 °	-121.645296 °	
DWR ID					
Action/Comments					
Inspector Comments: 2006 - Wave wash erosion and some saturation slumping occurring. Several small scallops present in lower levee slope/toe due to saturation slumping. Tension/separation cracks evident in fine-grained levee slope materials. 2011 - Small pockets of erosion throughout the site. Site formerly called 3.8. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: YOL_4-2_R]					

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. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass		Right	7.57	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	4.39	Rating **	M	Issue No.	11
LM End	4.39	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.618030 °	38.618030 °	
			-121.645192 °	-121.645192 °	
DWR ID	DWR_RD2035_02_s_2014_11				
Action/Comments					
Inspector Comments: FS_ID:11526 EP_NO: 1701 Repair Type: Crossing Status: UCIP Comments: Animal activity at outlet causing damage to berm and undermining the pipe at the outlet headwall on WS toe. FIELD_STRUCT_DESC: 60-inch corrugated metal drain pipe through the levee 20.6 feet below the crown encased in 6-inches of reinforced concrete. Slide gate in 7-foot diameter C.M. pipe riser on waterward slope. Pumping plant with 6-pumps/pipes that discharge into a 4-ft by 18-ft surge box on the LS toe. (Permit No. 1701 - R.D. 2035) FS Date: 4/3/2013					

Photo 1 of 1 : UCIP_474.jpg



Surge box and pumping plant on LS toe.

LM Start	4.40	Rating **	M	Issue No.	10
LM End	6.52	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.617921 °	38.589619 °	
			-121.645109 °	-121.631277 °	
DWR ID	DWR_RD2035_02_s_2013_10				
Action/Comments					
Ditch					

Photo 1 of 1 : mhoffman_s_20140401_270.jpg



Drainage ditch at L/S levee 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

Reclamation District No. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass		Right	7.57	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	6.45	Rating **	M	Issue No.	12
LM End	6.45	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.590691 °	38.590691 °	
			-121.631284 °	-121.631284 °	
DWR ID	DWR_RD2035_02_s_2014_12				
Action/Comments					
Inspector Comments: FS_ID:11003 EP_NO: 16480 Repair Type: Crossing Status: UCIP Comments: Erosion on LS toe at pumping plant. Severe erosion of sheet pile walls at pumping plant. FIELD_STRUCT_DESC: 1 of 2: 60-inch by 48-inch concrete box drainage conduit through the levee 22-feet below the crown. Steel walkway to slidegate handles on WS shoulder. 6X18-foot surge box and pumping plant on LS toe. This pipe replaced the 48-inch at this same location. (Permit No. 16480, 1996) FS Date: 4/3/2013					

Photo 1 of 1 : UCIP_419.jpg



Pumping plant on LS toe.

LM Start	6.45	Rating **	M	Issue No.	13
LM End	6.45	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.590679 °	38.590679 °	
			-121.631283 °	-121.631283 °	
DWR ID	DWR_RD2035_02_s_2014_13				
Action/Comments					
Inspector Comments: FS_ID:10992 EP_NO: 16480 Repair Type: Crossing Status: UCIP Comments: Severe erosion at pumping plant on LS toe. FIELD_STRUCT_DESC: 2 of 2: 60-inch by 48-inch concrete box drainage conduit through the levee 22-feet below the crown. Steel walkway to slidegate handles on WS shoulder. 6X18-foot surge box and pumping plant on LS toe. This pipe replaced the 48-inch at this same location. (Permit No. 16480, 1996) FS Date: 4/3/2013					

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

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles
Unit No. 03 Willow Slough Bypass	Left	2.51

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/29/2014 - 04/29/2014			
DWR Inspector	Matthew Hoffman			
Accompanied By				

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass			Left	2.51	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.00	Rating **	U	Issue No.	7
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.575378 °	38.590770 °	
			-121.635626 °	-121.665222 °	
DWR ID	DWR_RD2035_03_s_2014_7				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_496.jpg



This photo was taken from the crown facing west looking down the landward slope at vegetation requiring maintenance. Spring 2014.

LM Start	0.00	Rating **	U	Issue No.	8
LM End	2.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.575378 °	38.590770 °	
			-121.635626 °	-121.665222 °	
DWR ID	DWR_RD2035_03_s_2014_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_497.jpg



This photo was taken from the crown facing west looking down the waterward slope at vegetation requiring maintenance. Spring 2014.

LM Start	0.00	Rating **	U	Issue No.	9
LM End	2.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.575378 °	38.590770 °	
			-121.635626 °	-121.665222 °	
DWR ID	DWR_RD2035_03_s_2014_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mhoffman_s_20140430_498.jpg



This photo was taken from the crown facing west looking down the crown road at vegetation requiring maintenance. Spring 2014.

<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. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass		Left	2.51	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	0.06	Rating **	M	Issue No.	973
LM End	2.15	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.575615 °	38.590919 °	
			-121.636680 °	-121.658682 °	
DWR ID	DWR_RD2035_03_s_2012_973				
Action/Comments					
Ditch					

Photo 1 of 1 : mhoffman_s_20140401_277.jpg



L/S drainage ditch at levee toe.

LM Start	0.80	Rating **	M	Issue No.	1
LM End	0.80	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.581056 °	38.581056 °	
			-121.645142 °	-121.645142 °	
DWR ID	DWR_RD2035_03_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:11007 EP_NO: 6123 Repair Type: Crossing Status: UCIP Comments: Need to install gasoline markers through the levee if pipe is still active. FIELD_STRUCT_DESC: 4.5-inch Gas line through levee 2.5 feet below the crown. Pipe at vent visible off LS toe. (Permit No. 6123 - P.G.&E.) FS Date: 4/3/2013					

Photo 1 of 1 : UCIP_425.jpg



Gasline vent off 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

Reclamation District No. 2035 Conaway

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass		Left	2.51	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	1.38	Rating **	M	Issue No.	2
LM End	1.38	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.589425 °	38.589425 °	
			-121.645359 °	-121.645359 °	
DWR ID	DWR_RD2035_03_s_2014_2				
Action/Comments					
Inspector Comments: FS_ID:11008 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Need to clear vegetation and debris from WS flapgate. FIELD_STRUCT_DESC: 36-inch Corrugated metal pipe through levee 17.5 feet below crown, flap gate on waterward end, slide gate and concrete headwall on landward end. Originally included in O+M manual (1952). FS Date: 4/3/2013					

Photo 1 of 1 : UCIP_428.jpg



Slide gate and headwall in canal at LS toe.

LM Start	2.16	Rating **	M	Issue No.	4
LM End	2.16	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.590933 °	38.590933 °	
			-121.658940 °	-121.658940 °	
DWR ID	DWR_RD2035_03_s_2014_4				
Action/Comments					
Inspector Comments: FS_ID:11011 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Debris and vegetation partially blocking inlet and outlet at both toes. FIELD_STRUCT_DESC: 48-inch corrugated metal pipe through levee 19.0 feet below crown, slide gate on both ends. Originally included in O+M manual (1952). FS Date: 4/3/2013					

Photo 1 of 1 : UCIP_430.jpg



Slide gate at WS toe showing excessive vegetation.

* 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. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	04/29/2014 04/29/2014	Matthew Hoffman

LM Start	2.18	Rating **	M	Issue No.	6
LM End	2.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590909 °	38.590909 °
				-121.659311 °	-121.659311 °
DWR ID	DWR_RD2035_03_s_2014_6				
Action/Comments					
Inspector Comments: FS_ID:11012 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Debris and vegetation partially blocking both ends of pipe. FIELD_STRUCT_DESC: 36-inch pipe through levee 18.0 feet below crown, slide gate on LS toe. Combination flap and slide gate on WS toe. Originally included in O+M manual. FS Date: 4/3/2013					

Photo 1 of 1 : UCIP_433.jpg



Combination flap and slide gate on WS toe. With excessive vegetation

LM Start	2.22	Rating **	M	Issue No.	5
LM End	2.50	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.590893 °	38.590760 °
				-121.659942 °	-121.665210 °
DWR ID	DWR_RD2035_03_s_2013_5				
Action/Comments					
Fence					

Photo 1 of 1 : mhoffman_s_20140401_276.jpg



Fence along L/S 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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