

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD2035</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2035 Conaway</b>	<b>M</b>	<b>12.15</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					6.69			
<i>Supplemental</i>								
USACE Erosion Survey	1.39		1.39	11.44%				
<i>LMA Totals:</i>	1.39	0.00	1.39	11.44%	6.69	0.00	0.00	0.00

<b>Unit No. 01 Cache Creek Settling Basin RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>A</b>	<b>2.01</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

<b>Unit No. 02 Yolo Bypass RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>M</b>	<b>7.63</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					4.32			
<i>Supplemental</i>								
USACE Erosion Survey	1.39		1.39	18.21%				
<i>Unit Totals:</i>	1.39	0.00	1.39	18.21%	4.32	0.00	0.00	0.00

<b>Unit No. 03 Willow Slough Bypass LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>A</b>	<b>2.51</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.37			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.37	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 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)			<b>M</b>	

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

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

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

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 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)			<b>A</b>	
Date of Inspection	04/29/2014 - 04/29/2014		10/08/2014 - 10/08/2014	
DWR Inspector	Matthew Hoffman		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 - Fall 2014**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	10/08/2014 10/08/2014	Matthew Hoffman

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		°	°	°
DWR ID	DWR_RD2035_01_s_2013_3				
Action/Comments					
Inspector Comments: The LMA stated that they keep a copy of the O&M manuals on hand at the district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>4</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		°	°	°
DWR ID	DWR_RD2035_01_s_2013_4				
Action/Comments					
Inspector Comments: The district has emergency supplies and equipment on hand at their district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		°	°	°
DWR ID	DWR_RD2035_01_s_2013_5				
Action/Comments					
Inspector Comments: The LMA plans on attending DWR Flood Fight training class this fall.					

No Photos

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

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

Waterway		Bank	Unit Miles	
Unit No. 02 Yolo Bypass		Right	7.63	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	04/29/2014 - 04/29/2014		10/08/2014 - 10/08/2014	
DWR Inspector	Matthew Hoffman		Matthew Hoffman	
Accompanied By				

**Summer & Winter Inspections**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	10/08/2014 10/08/2014	Matthew Hoffman

LM Start	<b>0.00</b>	Rating **	C	Issue No.	<b>18</b>
LM End	<b>0.00</b>	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

LM Start	<b>0.16</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>0.36</b>	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	DWR_RD2035_02_f_2014_4				
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	<b>1.19</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>1.23</b>	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	DWR_RD2035_02_f_2014_5				
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

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

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	10/08/2014 10/08/2014	Matthew Hoffman

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>2.01</b>	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	DWR_RD2035_02_f_2014_6				
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	<b>2.16</b>	Rating **	A	Issue No.	<b>1</b>
LM End	<b>3.42</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.646063 °	38.646063 °	
			-121.666332 °	-121.666332 °	
DWR ID	DWR_RD2035_02_f_2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_RD2035\_239\_1\_20141013\_00003.jpg



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

LM Start	<b>2.16</b>	Rating **	M	Issue No.	<b>979</b>
LM End	<b>4.36</b>	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 : FA\_2014\_RD2035\_239\_979\_20141008\_00002.jpg



Drainage ditch at L/S levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	10/08/2014 10/08/2014	Matthew Hoffman

LM Start	<b>2.25</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>2.58</b>	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	DWR_RD2035_02_f_2014_7				
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

LM Start	<b>2.76</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>3.23</b>	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	DWR_RD2035_02_f_2014_8				
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	<b>4.06</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>4.37</b>	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	DWR_RD2035_02_f_2014_9				
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

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

**Unit Cover Sheet**

**Fall 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
Unit Maintenance Rating (Fall Only)			<b>A</b>
Date of Inspection	04/29/2014 - 04/29/2014		10/08/2014 - 10/08/2014
DWR Inspector	Matthew Hoffman		Matthew Hoffman
Accompanied By			

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	10/08/2014 10/08/2014	Matthew Hoffman

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>973</b>
LM End	<b>2.15</b>	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 : FA\_2014\_RD2035\_240\_973\_20141008\_00002.jpg



L/S drainage ditch at levee toe.

LM Start	<b>0.08</b>	Rating **	A	Issue No.	<b>1</b>
LM End	<b>0.08</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.575615 °	38.575615 °	
			-121.659942 °	-121.659942 °	
DWR ID	DWR_RD2035_03_f_2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_RD2035\_240\_1\_20141013\_00003.jpg



This photo was taken from the crown facing west looking down the waterward levee slope at acceptable vegetation maintenance. Fall 2014.

LM Start	<b>2.22</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>2.50</b>	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 : FA\_2014\_RD2035\_240\_5\_20141008\_00001.jpg



Fence along L/S shoulder.

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