

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0556_01_f_2014_3				
Comment Code					
Inspector Comment					
The members in the district have not been flood fight trained recently according to the district manager.					

No Photos

LM Start		Rating **	M	Issue No.	6
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0556_01_s_2012_6				
Comment Code					
Inspector Comment					
District president has the O&M Manual.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start		Rating **	M	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0556_01_f_2014_8				
Comment Code					
Inspector Comment					
According to the district manager, when they need supplies they will order them, there are no supplies stored.					

No Photos

LM Start	0.08	Rating **	A	Issue No.	21
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.237977°	38.233935°	
			-121.518112°	-121.520094°	
DWR ID	DWR_RD0556_01_f_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation on the waterside from levee mile 0.08-0.40.					

Photo 1 of 1 : FA_2016_RD0556_18_21_20161025_00056.jpg



RD 556 Unit 1 levee mile 0.08-0.40.

LM Start	0.24	Rating **	U	Issue No.	26
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.235807°	38.230273°	
			-121.518278°	-121.523907°	
DWR ID	DWR_RD0556_01_f_2015_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees two at least five foot above ground.					

Photo 1 of 1 : FA_2016_RD0556_18_26_20161025_00050.jpg



RD 556 Unit 1 landside levee miles 0.24-0.73 looking downstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Reclamation District No. 0556 Upper Andrus

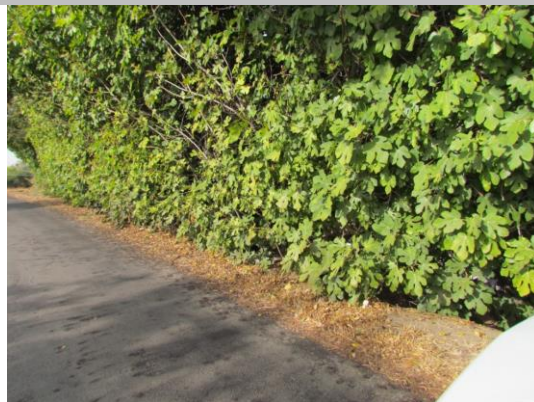
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	0.40	Rating **	M	Issue No.	24
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233935 °	38.226861 °
				-121.520094 °	-121.528015 °
DWR ID	DWR_RD0556_01_f_2016_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth other than native grasses from the waterside slope.					

No Photos

LM Start	0.68	Rating **	U	Issue No.	376
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.230785 °	38.228602 °
				-121.523470 °	-121.526289 °
DWR ID	DWR_RD0556_01_s_2014_376				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
District should remove these unwanted fig trees from the landside slope, unable to see ground.					

Photo 1 of 1 : FA_2016_RD0556_18_376_20160919_00016.jpg



Remove unwanted fig trees present on the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Reclamation District No. 0556 Upper Andrus

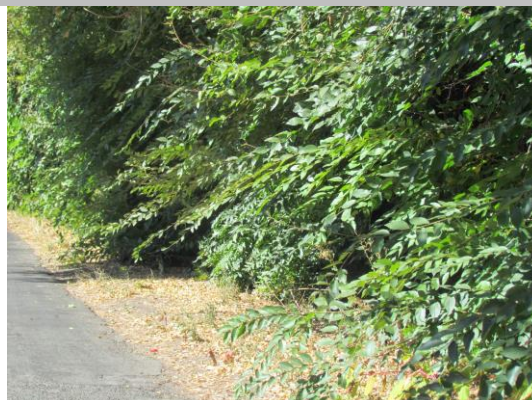
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	0.80	Rating **	M	Issue No.	12
LM End	3.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.229459 °	38.208959 °
				-121.524805 °	-121.541368 °
DWR ID	DWR_RD0556_01_s_2012_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Extermiinate rodents and backfill and compact burrows.					

No Photos

LM Start	0.93	Rating **	U	Issue No.	10
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.228295 °	38.225368 °
				-121.526688 °	-121.534677 °
DWR ID	DWR_RD0556_01_f_2015_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove the woody tree growth from the landside levee section.					

Photo 1 of 1 : FA_2016_RD0556_18_10_20161025_00051.jpg



RD 556 Unit 1 levee miles 0.93-1.54 looking downstream landside slope.

LM Start	1.37	Rating **	M	Issue No.	29
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.227320 °	38.227216 °
				-121.532707 °	-121.532870 °
DWR ID	DWR_RD0556_01_s_2013_29				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out the trees to allow visibility of the landside slope.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
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M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	1.43	Rating **	M	Issue No.	40
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.226537 °	38.226537 °
				-121.533512 °	-121.533512 °
DWR ID	DWR_RD0556_01_f_2012_40				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion site listed.					

No Photos

LM Start	1.50	Rating **	M	Issue No.	22
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.225840 °	38.225840 °
				-121.534157 °	-121.534157 °
DWR ID	DWR_RD0556_01_s_2012_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion site listed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	1.55	Rating **	U	Issue No.	9
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225191°	38.224976°
				-121.534799°	-121.535043°
DWR ID	DWR_RD0556_01_s_2012_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
These cut up tree sections remain on the waterward slope. The owner is on the Reclamation District's Board, Mr. Silva said he will ask him to remove the encroachment.					

Photo 1 of 1 : FA_2016_RD0556_18_9_20160919_00002.jpg



Unsatisfactory dumping of cut up tree sections on the waterside levee shoulder.

LM Start	1.57	Rating **	M	Issue No.	386
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224995 °	38.224486 °
				-121.535094 °	-121.536766 °
DWR ID	DWR_RD0556_01_f_2013_386				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth from the landside levee slope.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	1.74	Rating **	U	Issue No.	74
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224198°	38.220317°
				-121.537987°	-121.544172°
DWR ID	DWR_RD0556_01_f_2015_74				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
This arundo needs to be removed, this vegetation completely blocks the view of the waterside slope, shoulder and toe.					

Photo 1 of 1 : FA_2016_RD0556_18_74_20161101_00057.jpg



RD 556 Unit 1 waterside levee mile 1.74-2.29.

LM Start	2.38	Rating **	U	Issue No.	47
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.219065 °	38.218458 °
				-121.543855 °	-121.543838 °
DWR ID	DWR_RD0556_01_f_2012_47				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
This section of trees need to be removed from levee section, visibility completely blocked.					

Photo 1 of 1 : FA_2016_RD0556_18_47_20161025_00055.jpg



RD 556 Unit 1 levee miles 2.38-2.42 landside slope.

LM Start	2.54	Rating **	M	Issue No.	32
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216770 °	38.214455 °
				-121.543212 °	-121.539433 °
DWR ID	DWR_RD0556_01_f_2016_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	2.96	Rating **	M	Issue No.	63
LM End	2.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212661°	38.212328°
				-121.537633°	-121.537318°
DWR ID	DWR_RD0556_01_s_2013_63				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the waterside slope.					

No Photos

LM Start	3.13	Rating **	M	Issue No.	62
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.211060°	38.210913°
				-121.538132°	-121.538462°
DWR ID	DWR_RD0556_01_f_2014_62				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Possible beaver den in area and there signs of activity at this location.					


No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

Photo 1 of 1 : FA_2016_RD0556_18_79_20160919_00013.jpg



Unsatisfactory woody tree growth and arondo blocking view of roadside levee shoulder and slope.

Photo 1 of 1 : FA_2016_RD0556_18_34_20161101_00058.jpg




RD 556 Unit 1 landside shoulder levee mile 3.22.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

Photo 1 of 1 : FA_2016_RD0556_18_80_20160919_00014.jpg



Looking downstream from levee mile 3.32-3.92 waterside unsatisfactory growth of willows blocks the view of the slope.

Photo 1 of 1 : FA_2016_RD0556_18_83_20160919_00015.jpg



Looking downstream from the landside slope unsatisfactory woody tree growth blocking view of levee section.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	4.04	Rating **	M	Issue No.	59
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.200897°	38.192662°
				-121.544350°	-121.553160°
DWR ID	DWR_RD0556_01_f_2012_59				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents and backfill the burrows.					

No Photos

LM Start	4.07	Rating **	U	Issue No.	66
LM End	5.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200659 °	38.186542 °
				-121.544711 °	-121.562411 °
DWR ID	DWR_RD0556_01_s_2013_66				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild berries from the slope and toe of the levee section along with the tall weeds.					

Photo 1 of 1 : FA_2016_RD0556_18_66_20160919_00008.jpg



Unwanted tall weeds and berries growing on the landside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/23/2016 09/23/2016	Herman Phillips

LM Start	4.07	Rating **	U	Issue No.	67
LM End	5.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200658 °	38.186464 °
				-121.544711 °	-121.562550 °
DWR ID	DWR_RD0556_01_s_2013_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild weed growth and Arundo from the waterside levee section.					

Photo 1 of 1 : FA_2016_RD0556_18_67_20160919_00009.jpg



Looking downstream on waterside the arundo completely covering the levee section.

LM Start	5.12	Rating **	M	Issue No.	1
LM End	5.27	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.189775 °	38.188121 °
				-121.557729 °	-121.559413 °
DWR ID	DWR_RD0556_01_f_2016_1				
Comment Code					
Inspector Comment					
1997 - Toe damaged rock. 1999 - One pocket filled with gravel. 2000 - Eroding beach with some biotech rolls and stakes; some gravel on slope. 2001 - Staked, low fascine walls at bankline. 2005 - Stone revetment in between pockets. 2006 - New rock on upper slope behind brush boxes at the upstream end, Stone is sliding off the hard toe. 2015: Last observed in 2013. [2015 Site ID: GEO_7-0_R]					

Photo 1 of 1 : FA_2016_RD0556_18_1_20160919_00001.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	09/23/2016 09/23/2016	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	29
LM End	1.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200550 °	38.239821 °
				-121.544190 °	-121.542440 °
DWR ID	DWR_RD0556_02_f_2016_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild vegetation and wild tree growth from the landside slope and shoulder heading downstream					

Photo 1 of 1 : FA_2016_RD0556_19_29_20161031_00052.jpg



RD 556 Unit 2 looking downstream landside levee mile 0.00-1.35.

LM Start	0.00	Rating **	U	Issue No.	82
LM End	1.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200550 °	38.240999 °
				-121.544190 °	-121.551002 °
DWR ID	DWR_RD0556_02_s_2013_82				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Waterside levee slope and shoulder is covered with wild tree growth and other unsatisfactory vegetation.					

Photo 1 of 1 : FA_2016_RD0556_19_82_20161031_00051.jpg



RD 556 Unit 2 looking downstream of waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	09/23/2016 09/23/2016	Herman Phillips

LM Start	0.31	Rating **	M	Issue No.	12
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.238784 °	38.237862 °
				-121.523932 °	-121.529188 °
DWR ID	DWR_RD0556_02 f _ 2016_12				

Comment Code

[illegible]

Inspector Comment	
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2002 - Two rocked sections (150 ft long) at the downstream end.
2005 - Lots of old brush boxes, some with established vegetation in the area behind the boxes. 2006 - Some small spots fixed with stone.
2009 - Minimal new erosion, rock in the middle of the reach may be new. 2011 - Minor new erosion at the toe. 2013 - Minor new erosion.
2015: Site is currently under construction. [2015 Site ID: SAC_26-0_L]

A photograph of a riverbank with dense vegetation and trees. The water is greenish and rippled. A timestamp '04.05.2014 12:00:00' is visible in the bottom right corner.

USACE 2013 Photo #1

LM Start	1.03	Rating **	M	Issue No.	2
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.238772 °	38.239265 °
				-121.536788 °	-121.538845 °
DWR ID	DWR RD0556 02 f 2016 2				

Comment Code

[illegible]

Inspector Comment	
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1997 - Rock is in poor condition and has failed in many places. Scallops in berm with remnants of old rock in the toe area. 2005 - Brush boxes present. 2013 - Site extended upstream approximately 300 ft to include new erosion pockets. 2015: Minor new erosion at toe. [2015 Site ID: SAC 25-2 L]

A photograph of a riverbank with a dense line of trees and a wooden fence. The water is calm and reflects the surrounding greenery. The sky is clear and blue. In the bottom right corner, there is a date stamp: 09/06/2012 11:01:00.

USACE 2013 Photo #1

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	09/23/2016 09/23/2016	Herman Phillips

LM Start	1.37	Rating **	M	Issue No.	42
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239905 °	38.232545 °
				-121.542780 °	-121.557110 °
DWR ID	DWR_RD0556_02_f_2012_42				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth other than native grasses from the landside slope.					

No Photos

LM Start	1.45	Rating **	M	Issue No.	5
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.240401 °	38.240772 °
				-121.544106 °	-121.546791 °
DWR ID	DWR_RD0556_02_f_2016_5				
Comment Code					
Inspector Comment					
1997 - Slow erosion of the berm at the waterline; bench below water. 2005 - Brush boxes present. 2010 - Minor new erosion. 2013 - There is little to no berm remaining at downstream end of this site. 2015: No observed changes. [2015 Site ID: SAC_24-8_L]					

Photo 1 of 1 : FA_2016_RD0556_19_5_20160919_00005.jpg



USACE 2013 Photo #1

LM Start	2.69	Rating **	M	Issue No.	81
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.231465 °	38.231465 °
				-121.556490 °	-121.556490 °
DWR ID	DWR_RD0556_02_f_2015_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the discarded tree branches and tree from the water slope.					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	09/23/2016 09/23/2016	Herman Phillips

LM Start	2.70	Rating **	M	Issue No.	9
LM End	3.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.231444 °	38.212918 °
				-121.556393 °	-121.556850 °
DWR ID	DWR_RD0556_02_s_2012_9				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.93	Rating **	M	Issue No.	11
LM End	3.04	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.228202 °	38.226601 °
				-121.555502 °	-121.555605 °
DWR ID	DWR_RD0556_02_f_2016_11				
Comment Code					
Inspector Comment					
1997 - Few scallops in berm, some getting close to levee toe. 2005 - Brush boxes present. 2012 - More erosion of the toe since last year. 2015: No observed changes. [2015 Site ID: SAC_23-3_L]					

Photo 1 of 1 : FA_2016_RD0556_19_11_20160919_00009.jpg



USACE 2013 Photo #1

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	09/23/2016 09/23/2016	Herman Phillips

LM Start	3.17	Rating **	M	Issue No.	10
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.224850 °	38.223233 °
				-121.555641 °	-121.555687 °
DWR ID	DWR_RD0556_02_f_2016_10				
Comment Code					
Inspector Comment					
2000 - Recently fallen cottonwood at the downstream end. 2005 - Empty brush boxes. 2011 - A few trees have fallen since last year. 2012 - Potential new tree popout since last year. 2013 - New erosion at downstream end of site and a recent tree pop-out observed. 2015: No observed changes. [2015 Site ID: SAC_23-2_L]					

Photo 1 of 1 : FA_2016_RD0556_19_10_20160919_00008.jpg



USACE 2013 Photo #1

LM Start	3.58	Rating **	M	Issue No.	8
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.218951 °	38.218104 °
				-121.556689 °	-121.556819 °
DWR ID	DWR_RD0556_02_f_2016_8				
Comment Code					
Inspector Comment					
1997 - Scallops into berm and very close to levee toe. 2005 - Brush boxes present. 2011 - New toe scour and freshly fallen tree. 2012 - New tree popout has taken significant portion of soil out of the levee. 2015: No observed changes. [2015 Site ID: SAC_22-7_L]					

Photo 1 of 1 : FA_2016_RD0556_19_8_20160919_00007.jpg



USACE 2013 Photo #1

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	09/23/2016 09/23/2016	Herman Phillips

LM Start	4.21	Rating **	U	Issue No.	87
LM End	4.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209818 °	38.209638 °
				-121.556818 °	-121.556835 °
DWR ID	DWR_RD0556_02_f_2015_87				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unsatisfactory patch of bamboo from the landside levee shoulder and slope.					

Photo 1 of 1 : FA_2016_RD0556_19_87_20160919_00014.jpg



RD 556 Unit 2 looking downstream from the landside shoulder levee miles 4.21-4.22.

LM Start	4.45	Rating **	M	Issue No.	7
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.206377°	38.205729°
				-121.557184°	-121.557108°
DWR ID	DWR_RD0556_02_f_2016_7				
Comment Code					
Inspector Comment					
2013 - Erosion pockets encroaching on levee foundation. 2015: No observed changes. [2015 Site ID: SAC_21-9_L]					

Photo 1 of 1 : FA_2016_RD0556_19_7_20160919_00006.jpg



USACE 2013 Photo #1

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	09/23/2016 09/23/2016	Herman Phillips

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