

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

### Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	09/25/2015 09/25/2015	Herman Phillips

LM Start		Rating **	M	Issue No.	<b>3</b>
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				
Action/Comments					
Inspector Comments: 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.	<b>6</b>
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				
Action/Comments					
Inspector Comments: District president has the O&M Manual.					

No Photos

LM Start		Rating **	M	Issue No.	<b>8</b>
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				
Action/Comments					
Inspector Comments: According to the district manager, when they need supplies they will order them, there are no supplies stored.					

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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Unit No. 01 Georgiana Slough	Right	5.48	09/25/2015 09/25/2015	Herman Phillips

LM Start	0.07	Rating **	M	Issue No.	381
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238169 °	38.227962 °
				-121.518199 °	-121.531170 °
DWR ID	DWR_RD0556_01_f _ 2013_381				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the growth from the water side levee slope.					

No Photos

LM Start	0.16	Rating **	M	Issue No.	11
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236755 °	38.236755 °
				-121.518100 °	-121.518098 °
DWR ID	DWR_RD0556_01_f _ 2015_11				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control the vegetation on the landside slope.					

No Photos

LM Start	0.24	Rating **	U	Issue No.	26
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.235807 °	38.230785 °
				-121.518278 °	-121.523470 °
DWR ID	DWR_RD0556_01_f _ 2015_26				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Georgiana Slough	Right	5.48	09/25/2015 09/25/2015	Herman Phillips

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				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: District should remove these unwanted fig trees from the landside slope, unable to see ground.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_376\_20150915\_00018.jpg



Remove unwanted fig trees present on the landside slope.

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				
Action/Comments					
Exterminate rodents and backfill and compact or grout 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				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Remove the woody tree growth from the landside levee section.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_10\_20151007\_00029.jpg



Unsatisfactory woody tree growth on the landside shoulder and slope.

* 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	09/25/2015 09/25/2015	Herman Phillips

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				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	1.37	Rating **	U	Issue No.	71
LM End	1.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227320 °	38.225285 °
				-121.532710 °	-121.534787 °
DWR ID	DWR_RD0556_01_f_2015_71				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unsatisfactory wild growth of roses from the levee section.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_71\_20151006\_00022.jpg



Looking downstream from levee mile 1.27- 1.55 wild roses on waterside slope and berm.

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				
Action/Comments					
Note and monitor erosion site.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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	09/25/2015 09/25/2015	Herman Phillips

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				
Action/Comments					
Note and monitor erosion site.					

No Photos

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				
Action/Comments					
Tree or limb					
Inspector Comments: 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\_2015\_RD0556\_18\_9\_20151006\_00025.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				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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	09/25/2015 09/25/2015	Herman Phillips

LM Start	1.72	Rating **	U	Issue No.	73
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224283 °	38.223678 °
				-121.537625 °	-121.541652 °
DWR ID	DWR_RD0556_01_f_2015_73				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove this unwanted weed growth from the levee slope.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_73\_20151006\_00026.jpg



Looking downstream from landside levee mile 1.72-1.95 unsatisfactory tall weed growth on the slope and toe.

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				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: This arundo needs to be removed, this vegetation blocks the view of the waterside slope.					

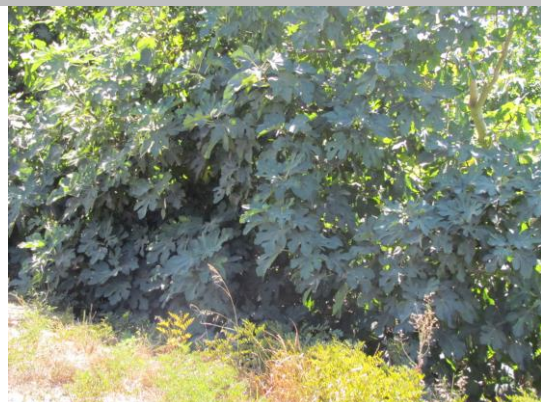
Photo 1 of 1 : FA\_2015\_RD0556\_18\_74\_20151006\_00027.jpg



Levee mile 1.74-2.00 waterside wild growth of arundo present on levee shoulder and slope, unable to see the ground.

LM Start	2.32	Rating **	U	Issue No.	24
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.219822 °	38.219592 °
				-121.544000 °	-121.543927 °
DWR ID	DWR_RD0556_01_s_2012_24				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Unable to see the levee section for heavy growth of trees. Remove them or thin them out so the ground can be seen.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_24\_20151007\_00028.jpg



Unsatisfactory woody tree growth of Fig trees blocking the view of both the shoulder and slope landward.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> 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	09/25/2015 09/25/2015	Herman Phillips

LM Start	2.42	Rating **	U	Issue No.	47
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.218426 °	38.217846 °
				-121.543800 °	-121.543796 °
DWR ID	DWR_RD0556_01_f_2012_47				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: This section of trees need to be removed from levee section, visibility completely blocked.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_47\_20150915\_00009.jpg



Unsatisfactory tree growth completely blocking visibility of the levee section at this location.

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				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.12	Rating **	U	Issue No.	78
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211090 °	38.210927 °
				-121.537983 °	-121.538473 °
DWR ID	DWR_RD0556_01_f_2015_78				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the arundo from the levee slope waterside.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_78\_20151007\_00039.jpg



Looking downstream from waterside shoulder, arundo blocking view of levee section.

* 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	09/25/2015 09/25/2015	Herman Phillips

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				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Possible beaver den in area and there signs of activity at this location.					

No Photos

LM Start	3.17	Rating **	U	Issue No.	79
LM End	3.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210823 °	38.209983 °
				-121.538813 °	-121.540533 °
DWR ID	DWR_RD0556_01_f_2015_79				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the unsatisfactory growth of vegetation from the levee section.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_79\_20151007\_00038.jpg



Unsatisfactory woody tree growth and arundo blocking view of landside levee shoulder and slope.

LM Start	3.32	Rating **	U	Issue No.	80
LM End	3.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209497 °	38.201645 °
				-121.540917 °	-121.542198 °
DWR ID	DWR_RD0556_01_f_2015_80				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove this unsatisfactory growth from the waterside so the slope can be inspected.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_80\_20151007\_00037.jpg



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

* 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	09/25/2015 09/25/2015	Herman Phillips

LM Start	3.53	Rating **	U	Issue No.	83
LM End	4.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206568 °	38.200653 °
				-121.541810 °	-121.544667 °
DWR ID	DWR_RD0556_01_f_2015_83				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Thin out this growth of trees to allow viewing the levee slope and shoulder.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_83\_20151007\_00034.jpg



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

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				
Action/Comments					
Exterminate rodents and backfill and compact or grout 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				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the wild berries from the slope and toe of the levee section along with the tall weeds.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_66\_20150915\_00012.jpg



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

* 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	09/25/2015 09/25/2015	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				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the wild weed growth and Arundo from the waterside levee section.					

Photo 1 of 1 : FA\_2015\_RD0556\_18\_67\_20151007\_00032.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					
Action/Comments					
Inspector Comments: 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 : USACE2013A\_GEO\_7-0\_R\_7.jpg



USACE 2013 Photo #1

* 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. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	82
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200550 °	38.234418 °
				-121.544190 °	-121.557940 °
DWR ID	DWR_RD0556_02_s_2013_82				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Waterside levee slope and shoulder is covered with wild tree growth and other unsatisfactory vegetation.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_82\_20151106\_00028.jpg



RD 556 Levee mile 0.00 waterside looking downstream.

LM Start	0.02	Rating **	U	Issue No.	43
LM End	0.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239165 °	38.237908 °
				-121.518540 °	-121.527702 °
DWR ID	DWR_RD0556_02_f_2015_43				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the wild weeds from the landside slope and levee toe.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_43\_20151106\_00029.jpg



RD 556 Unit 2 looking downstream from the landside shoulder wild weeds present on the levee slope and toe.

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					
Action/Comments					
Inspector Comments: 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]					

Photo 1 of 1 : USACE2013A\_SAC\_26-0\_L\_18.jpg



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 2015

### Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	Herman Phillips

LM Start	0.57	Rating **	U	Issue No.	66
LM End	1.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237752 °	38.239821 °
				-121.528593 °	-121.542440 °
DWR ID	DWR_RD0556_02_f_2015_66				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Remove the wild growth and trim the trees off the levee slope.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_66\_20151106\_00030.jpg



Looking downstream from the landside levee slope levee mile ,0.57.

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					
Action/Comments					
Inspector Comments: 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]					

Photo 1 of 1 : USACE2013A\_SAC\_25-2\_L\_9.jpg



USACE 2013 Photo #1

LM Start	1.35	Rating **	U	Issue No.	76
LM End	1.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239820 °	38.239905 °
				-121.542502 °	-121.542778 °
DWR ID	DWR_RD0556_02_f_2015_76				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the bambo from the landside levee slope.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_76\_20151106\_00031.jpg



Unsatisfactory growth of bambo on the landside 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 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**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	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				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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					
Action/Comments					
Inspector Comments: 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 : USACE2013A\_SAC\_24-8\_L\_9.jpg



USACE 2013 Photo #1

LM Start	2.61	Rating **	U	Issue No.	80
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.232545 °	38.221512 °
				-121.557112 °	-121.555715 °
DWR ID	DWR_RD0556_02_f_2015_80				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the wild growth from the landside levee slope.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_80\_20151106\_00033.jpg



Looking downstream landside at wild roses bamboo and other growth covering the slope.

<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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

### Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	Herman Phillips

LM Start	2.70	Rating **	M	Issue No.	9
LM End	5.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.231444 °	38.193523 °
				-121.556393 °	-121.562812 °
DWR ID	DWR_RD0556_02_s_2012_9				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

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					
Action/Comments					
Inspector Comments: 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 : USACE2013A\_SAC\_23-3\_L\_2.jpg



USACE 2013 Photo #1

LM Start	3.16	Rating **	U	Issue No.	84
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224918 °	38.192550 °
				-121.555422 °	-121.565230 °
DWR ID	DWR_RD0556_02_f_2015_84				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					
Inspector Comments: Control					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_84\_20151106\_00032.jpg



Looking downstream from the waterside levee slope at the bambo and other unsatisfactory weeds covering the levee slope from 3.16 to 5.58.

* 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 2015

### Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	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					
Action/Comments					
Inspector Comments: 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 : USACE2013A\_SAC\_23-2\_L\_4.jpg



USACE 2013 Photo #1

LM Start	3.40	Rating **	M	Issue No.	6
LM End	4.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.221512 °	38.209818 °
				-121.555720 °	-121.556820 °
DWR ID	DWR_RD0556_02_s_2012_6				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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					
Action/Comments					
Inspector Comments: 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 : USACE2013A\_SAC\_22-7\_L\_5.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  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**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	Herman Phillips

LM Start	3.95	Rating **	M	Issue No.	4
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.213581 °	38.211112 °
				-121.557197 °	-121.557042 °
DWR ID					
Action/Comments					
Inspector Comments: 2002 - Spot rock along berm, but not in the erosion pockets. 2005 - Some new minor stone revetment at the upstream end. Brush boxes present. 2006 - Currently installing new brush in downstream brush boxes. 2007 - Rock in middle portion for about 150 ft. 2010 - Some attempt at repairs but still has pockets of erosion. 2012 - More erosion along the toe. 2015: No observed changes. [2015 Site ID: SAC_22-5_L]					

Photo 1 of 1 : USACE2013A\_SAC\_22-5\_L\_13.jpg



USACE 2013 Photo #1

LM Start	3.99	Rating **	U	Issue No.	86
LM End	3.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212918 °	38.212918 °
				-121.556848 °	-121.556848 °
DWR ID	DWR_RD0556_02_f_2015_86				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the patch of bamboo from the landside shoulder.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_86\_20151110\_00034.jpg



Landside levee shoulder levee mile 3.99 RD 556 Unit 2.

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				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the unsatisfactory patch of bamboo from the landside levee shoulder and slope.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_87\_20151110\_00035.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  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**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	Herman Phillips

LM Start	4.23	Rating **	M	Issue No.	15
LM End	4.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209458 °	38.208936 °
				-121.556759 °	-121.556763 °
DWR ID	DWR_RD0556_02_s_2012_15				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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					
Action/Comments					
Inspector Comments: 2013 - Erosion pockets encroaching on levee foundation. 2015: No observed changes. [2015 Site ID: SAC_21-9_L]					

Photo 1 of 1 : USACE2013A\_SAC\_21-9\_L\_5.jpg



USACE 2013 Photo #1

LM Start	4.63	Rating **	U	Issue No.	88
LM End	5.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.203693 °	38.194682 °
				-121.556690 °	-121.561257 °
DWR ID	DWR_RD0556_02_f_2015_88				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unsatisfactory weed growth from the levee slope.					

Photo 1 of 1 : FA\_2015\_RD0556\_19\_88\_20151110\_00036.jpg



RD 556 Unit 2 looking downstream from levee miles 4.31 - 5.31 unsatisfactory tall weed growth on the landside levee slope.

<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**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/06/2015 11/06/2015	Herman Phillips

LM Start	4.77	Rating **	M	Issue No.	3
LM End	4.88	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.201687 °	38.200225 °
				-121.557305 °	-121.557749 °
DWR ID					
Action/Comments					
Inspector Comments: 1999 - Downstream 140 ft repaired with rock. 2010 - Lots of woody debris, but no changes to site. 2015: Site extended upstream due to erosion pockets. [2015 Site ID: SAC_21-5_L]					

Photo 1 of 1 : USACE2013A\_SAC\_21-5\_L\_2.jpg



USACE 2013 Photo #1

LM Start	5.58	Rating **	A/W	Issue No.	89
LM End	5.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.192550 °	38.191797 °
				-121.565233 °	-121.567565 °
DWR ID	DWR_RD0556_02_f_2015_89				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					
Inspector Comments: Reveg site.					

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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