Flood Control Project Maintenance
Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/19/2017 04/19/2017	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 **	A	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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy 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	04/19/2017 04/19/2017	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	**0.09**	Rating **	U	Issue No.	**21**
LM End	**0.90**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237863 °	38.228602 °
				-121.518163 °	-121.526290 °
DWR ID	DWR_RD0556_01_s _ 2017_21				

Comment Code

V7 : Trees / Woody Vegetation

Inspector Comment

Control the wild growth and trim the trees so the slope can be seen.

Photo 1 of 1 : SP_2017_RD0556_18_21_20170517_00053.jpg

Looking downstream from levee mile 0.09 woody tree growth and wild weeds covering the levee slope and shoulder landside levee section.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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	04/19/2017 04/19/2017	Herman Phillips

LM Start	**0.16**	Rating **	U	Issue No.	**23**
LM End	**1.40**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236773 °	38.226925 °
				-121.518112 °	-121.533170 °
DWR ID	DWR_RD0556_01_s _ 2017_23				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Conntrol the wild growth from the waterside levee slope beyound the bridge crossing to levee mile 1.40.

Photo 1 of 1 : SP_2017_RD0556_18_23_20170517_00054.jpg

Looking downstream from levee mile 0.16 waterside shoulder.

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

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

Thin out and remove the wild tree growth and vegetation on the landside levee slope and shoulder.

Photo 1 of 1 : SP_2017_RD0556_18_10_20170517_00057.jpg

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

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

Flood Control Project Maintenance
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/19/2017 04/19/2017	Herman Phillips

LM Start	**1.41**	Rating **	M	Issue No.	**25**
LM End	**1.74**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.226798 °	38.224150 °
				-121.533282 °	-121.538000 °
DWR ID	DWR_RD0556_01_s _ 2017_25				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Control annual grasses and weeds from the slope and berm.

No Photos

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy 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	04/19/2017 04/19/2017	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				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

Monitor the erosion site listed.

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				

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 : SP_2017_RD0556_18_9_20170404_00002.jpg

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

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

Flood Control Project Maintenance
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/19/2017 04/19/2017	Herman Phillips

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

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				

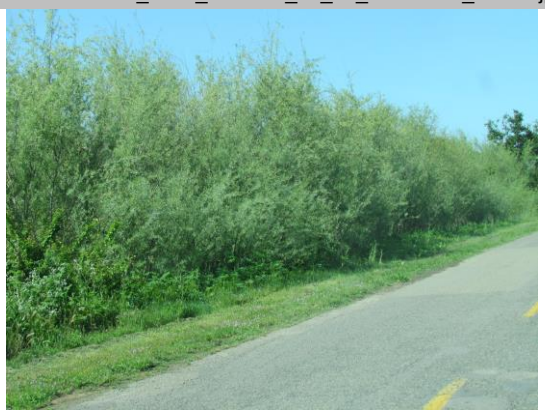
Comment Code

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 : SP_2017_RD0556_18_74_20170517_00060.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 : SP_2017_RD0556_18_47_20170517_00062.jpg

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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	04/19/2017 04/19/2017	Herman Phillips

LM Start	**2.38**	Rating **	U	Issue No.	**31**
LM End	**2.43**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.219037 °	38.218342 °
				-121.543847 °	-121.543842 °
DWR ID	DWR_RD0556_01_s _ 2017_31				

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

Trim and thin trees to allow visibility of the slope and ground.

Photo 1 of 1 : SP_2017_RD0556_18_31_20170517_00063.jpg

Looking downstream from the landside shoulder woody tree growth blocking the slope and shoulder.

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	** 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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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/19/2017 04/19/2017	Herman Phillips

LM Start	**2.72**	Rating **	U	Issue No.	**33**
LM End	**2.72**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.215107 °	38.215107 °
				-121.540677 °	-121.540677 °
DWR ID	DWR_RD0556_01_s _ 2017_33				

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Fallen tree on landside. Remove the fallen tree and repair the levee damage.

Photo 1 of 2 : SP_2017_RD0556_18_33_20170517_00065.jpg

RD 556 Unit 1 levee mile 2.72 fallen tree damage to shoulder and slope.

LM Start	**2.72**	Rating **	U	Issue No.	**33 (cont)**
LM End	**2.72**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0556_18_33_20170522_00067.jpg

RD 349 Unut 1 levee mile 2.72 the root ball of the fallen tree on slope landward.

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy 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	04/19/2017 04/19/2017	Herman Phillips

LM Start	**3.12**	Rating **	U	Issue No.	**35**
LM End	**3.14**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211103 °	38.210970 °
				-121.537993 °	-121.538370 °
DWR ID	DWR_RD0556_01_s _ 2017_35				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Remove the unwanted wild growth from the waterside slope.

Photo 1 of 1 : SP_2017_RD0556_18_35_20170522_00068.jpg

RD 556 Unit 1 levee mile 3.12-3.14 waterside shoulder and slope.

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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy 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	04/19/2017 04/19/2017	Herman Phillips

LM Start	**3.22**	Rating **	U	Issue No.	**36**
LM End	**3.22**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.210528 °	38.210528 °
				-121.539678 °	-121.539678 °
DWR ID	DWR_RD0556_01_s _ 2017_36				

Comment Code

S1 : Repair slope instability.

Inspector Comment

Repair the erosion sites.

Photo 1 of 2 : SP_2017_RD0556_18_36_20170522_00069.jpg

556 Unit 1 levee mile 3.22 landside slope erosion.

LM Start	**3.22**	Rating **	U	Issue No.	**36 (cont)**
LM End	**3.22**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0556_18_36_20170522_00070.jpg

556 Unit 1 slope erosion levee mile 3.22.

LM Start	**3.24**	Rating **	M	Issue No.	**37**
LM End	**3.24**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.210365 °	38.210365 °
				-121.540002 °	-121.540002 °
DWR ID	DWR_RD0556_01_s _ 2017_37				

Comment Code

S1 : Repair slope instability.

Inspector Comment

Repair the erosion on the slope.

Photo 1 of 1 : SP_2017_RD0556_18_37_20170522_00071.jpg

556 Unit 1 levee mile 3.24 landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy 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	04/19/2017 04/19/2017	Herman Phillips

LM Start	**3.25**	Rating **	U	Issue No.	**38**
LM End	**3.29**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210250 °	38.209842 °
				-121.540207 °	-121.540658 °
DWR ID	DWR_RD0556_01_s _ 2017_38				

Comment Code

V7 : Trees / Woody Vegetation

Inspector Comment

Remove the wild tree growth and vegetation from the landside levee slope and toe so the ground can be seen.

Photo 1 of 1 : SP_2017_RD0556_18_38_20170522_00072.jpg

556 Unit 1 levee mile 3.25-3.29 woody tree growth and vegetation blocking the view of the levee slope and toe.

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

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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	04/19/2017 04/19/2017	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 : SP_2017_RD0556_18_67_20170523_00074.jpg

Looking downstream on the wateside arundo completely blocking view of the slope and shoulder.

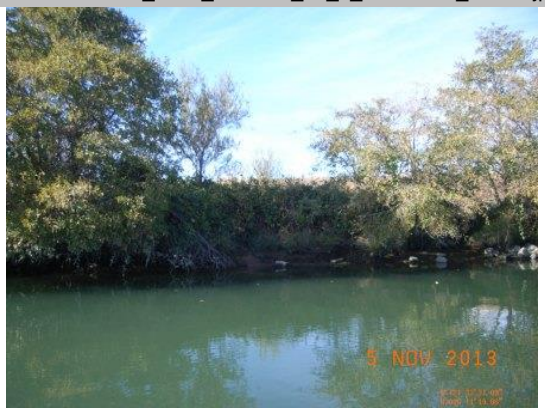
LM Start	**5.12**	Rating **	M	Issue No.	**1**
LM End	**5.27**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.189775 °	38.188121 °
				-121.557729 °	-121.559413 °
DWR ID	DWR_RD0556_01_f _ 2016_1				

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 : SP_2017_RD0556_18_1_20170404_00001.jpg



USACE 2013 Photo #1

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy 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	04/19/2017 04/19/2017	Herman Phillips

LM Start	**0.00**	Rating **	U	Issue No.	**29**
LM End	**5.71**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200550 °	38.191937 °
				-121.544190 °	-121.567510 °
DWR ID	DWR_RD0556_02_f _ 2016_29				

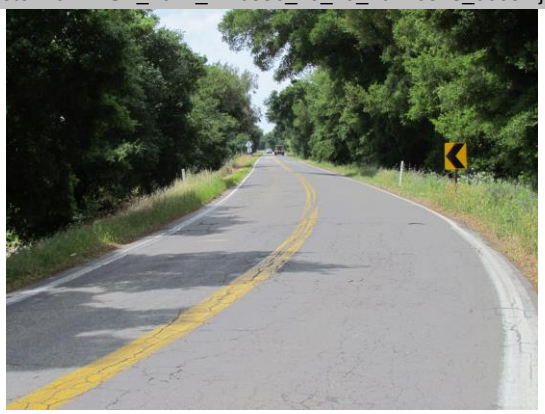
Comment Code

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 : SP_2017_RD0556_19_29_20170523_00054.jpg



RD 556 Unit 2 from levee mile 0.00-5.71.

LM Start	**0.00**	Rating **	U	Issue No.	**82**
LM End	**5.71**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200550 °	38.191937 °
				-121.544190 °	-121.567510 °
DWR ID	DWR_RD0556_02_s _ 2013_82				

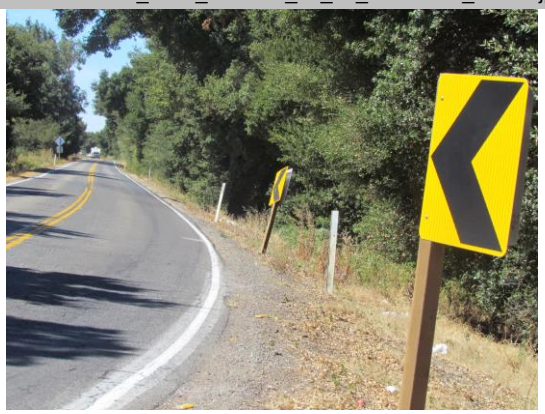
Comment Code

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 : SP_2017_RD0556_19_82_20170404_00015.jpg



RD 556 Unit 2 looking downstream of waterside slope.

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

Flood Control Project Maintenance
Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/19/2017 04/19/2017	Herman Phillips

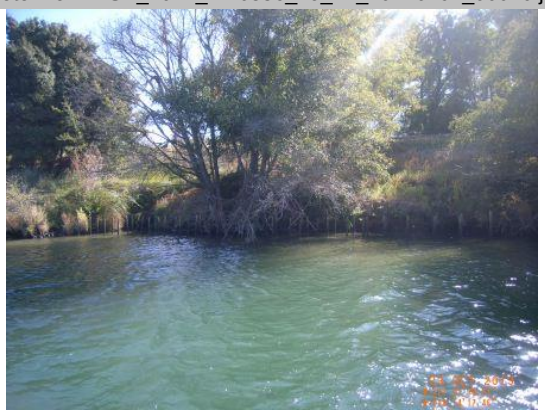
LM Start	**0.31**	Rating **	M	Issue No.	**12**
LM End	**0.60**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.238784 °	38.237862 °
				-121.523932 °	-121.529188 °
DWR ID	DWR_RD0556_02_f _ 2016_12				

Comment Code

Inspector Comment

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 : SP_2017_RD0556_19_12_20170404_00010.jpg



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

Inspector Comment

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 : SP_2017_RD0556_19_2_20170404_00002.jpg

USACE 2013 Photo #1

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

Flood Control Project Maintenance
Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/19/2017 04/19/2017	Herman Phillips

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 : SP_2017_RD0556_19_5_20170404_00005.jpg

USACE 2013 Photo #1

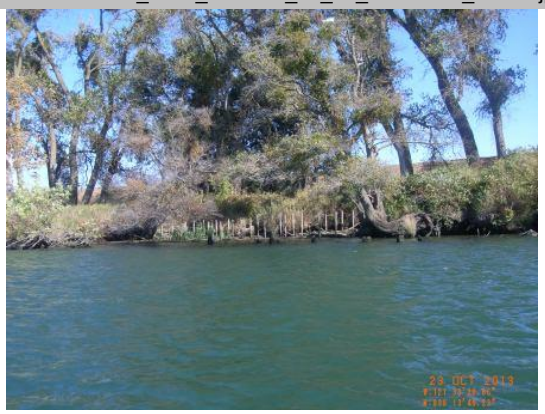
LM Start	**2.93**	Rating **	M	Issue No.	**11**
LM End	**3.04**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.228202 °	38.226601 °
				-121.555502 °	-121.555605 °
DWR ID	DWR_RD0556_02_f _ 2016_11				

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 : SP_2017_RD0556_19_11_20170404_00009.jpg



USACE 2013 Photo #1

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

Flood Control Project Maintenance
Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/19/2017 04/19/2017	Herman Phillips

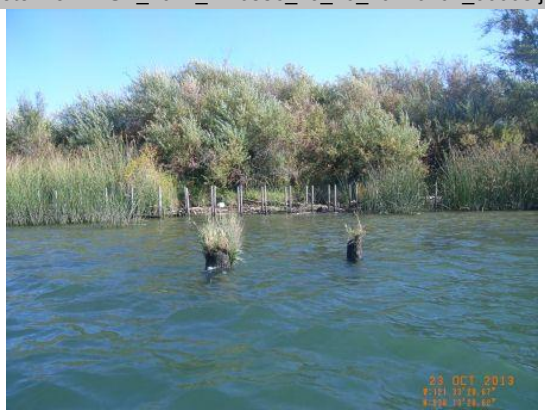
LM Start	**3.17**	Rating **	M	Issue No.	**10**
LM End	**3.28**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.224850 °	38.223233 °
				-121.555641 °	-121.555687 °
DWR ID	DWR_RD0556_02_f _ 2016_10				

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 : SP_2017_RD0556_19_10_20170404_00008.jpg



USACE 2013 Photo #1

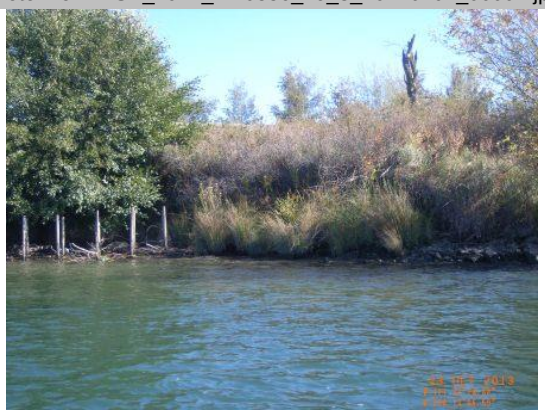
LM Start	**3.58**	Rating **	M	Issue No.	**8**
LM End	**3.64**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.218951 °	38.218104 °
				-121.556689 °	-121.556819 °
DWR ID	DWR_RD0556_02_f _ 2016_8				

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 : SP_2017_RD0556_19_8_20170404_00007.jpg



USACE 2013 Photo #1

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/19/2017 04/19/2017	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	DWR_RD0556_02_f _ 2016_4				

Comment Code

Inspector Comment

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 : SP_2017_RD0556_19_4_20170404_00004.jpg

USACE 2013 Photo #1

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 : SP_2017_RD0556_19_7_20170404_00006.jpg

USACE 2013 Photo #1

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
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 - Spring 2017

Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/19/2017 04/19/2017	Herman Phillips

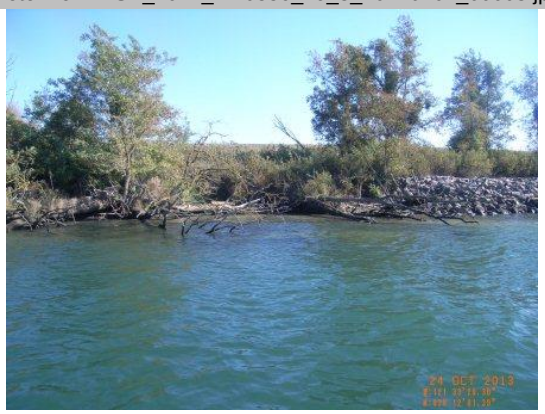
LM Start	**4.77**	Rating **	M	Issue No.	**3**
LM End	**4.88**	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.201687 °	38.200225 °
				-121.557305 °	-121.557749 °
DWR ID	DWR_RD0556_02_f _ 2016_3				

Comment Code

Inspector Comment

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 : SP_2017_RD0556_19_3_20170404_00003.jpg



USACE 2013 Photo #1

LM Start	**5.45**	Rating **	M	Issue No.	**20**
LM End	**5.45**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.193391 °	38.193391 °
				-121.563159 °	-121.563159 °
DWR ID	DWR_RD0556_02_s _ 2012_20				

Comment Code

TR : Tree or limb

Inspector Comment

Cut up the fallen tree and remove it from the waterside levee section.

No Photos

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