

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

LM Start		Rating **	M	Issue No.	<b>3</b>
LM End		Issue Type +	Ma	Location *	
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.	<b>6</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0556_01_s_2012_6				
Comment Code					
Inspector Comment					
Sent electronic copy of O+M manual to LMA.					

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_2019_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

<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	10/18/2019 10/18/2019	David Julian

LM Start	0.08	Rating **	U	Issue No.	21
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238037°	38.231927°
				-121.518067°	-121.522215°
DWR ID	DWR_RD0556_01_s_2017_21				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Control the wild growth and trim the trees so the slope can be seen.					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_21\_20191021\_00063.jpg



View looking downstream at thick trees on the landside slope (Fall 2019).

LM Start	0.39	Rating **	M	Issue No.	36
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.234038 °	38.231879 °
				-121.519817 °	-121.522003 °
DWR ID	DWR_RD0556_01_f_2018_36				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 11.8 R					
Status: Eroding New					
2017 Field Notes: Tree popout popouts eminent , significant toe erosion and whole bank failure in sections					
Site History:					

No Photos

LM Start	0.77	Rating **	M	Issue No.	19
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.229773 °	38.227978 °
				-121.524430 °	-121.531113 °
DWR ID	DWR_RD0556_01_f_2019_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

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					
Exterminate rodents and backfill and compact burrows.					

No Photos

LM Start	1.20	Rating **	M	Issue No.	20
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.227615 °	38.225374 °
				-121.529894 °	-121.534406 °
DWR ID	DWR_RD0556_01_f_2018_20				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.9 R					
Status: Eroding New					
2017 Field Notes: Significant toe erosion and whole bank failure in sections, large pockets from tree popouts.					
Site History:					

No Photos

LM Start	1.26	Rating **	U	Issue No.	49
LM End	1.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228020 °	38.224923 °
				-121.530930 °	-121.535153 °
DWR ID	DWR_RD0556_01_f_2019_49				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_49\_20191021\_00064.jpg



View looking downstream at thick vegetation the landside slope (Fall 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

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					
Erosion is covered by vegetation.					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_40\_20190826\_00024.jpg



View of erosion that is covered by vegetation on the landside slope (October 2018).

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					
Dip at the top of the landside slope is greater than 3".					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_22\_20190826\_00003.jpg



View of dip at the top of the landside slope (October 2018).

LM Start	1.55	Rating **	U	Issue No.	46
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225268°	38.210659°
				-121.534733°	-121.539176°
DWR ID	DWR_RD0556_01_s_2018_46				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

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

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					
S1 : Repair slope instability.					
Inspector Comment					
Fallen tree on landside. Remove the fallen tree and repair the levee damage.					

Photo 1 of 2 : FA\_2019\_RD0556\_18\_33\_20190826\_00017.jpg



View of fallen tree damage to shoulder and slope.

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

Photo 2 of 2 : FA\_2019\_RD0556\_18\_33\_20190826\_00018.jpg



View of the root ball of the fallen tree on slope landward.

**\* 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

# Reclamation District No. 0556 Upper Andrus

No Photos

View of arundo on waterside slope.

Significant rodent activity in this area must be stopped. Holes should be backfilled.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

LM Start	3.18	Rating **	M	Issue No.	42
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.210674 °	38.206919 °
				-121.538854 °	-121.541559 °
DWR ID	DWR_RD0556_01_f_2018_42				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.0 R					
Status: Eroding New					
2017 Field Notes: Toe erosion and failed revetment.					
Site History:					

No Photos

LM Start	3.18	Rating **	U	Issue No.	55
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210745 °	38.210745 °
				-121.538967 °	-121.538967 °
DWR ID	DWR_RD0556_01_f_2019_55				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_55\_20191021\_00069.jpg



View of fig tree on the landside slope (Fall 2019).

LM Start	3.22	Rating **	U	Issue No.	38
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210493 °	38.209842 °
				-121.539760 °	-121.540658 °
DWR ID	DWR_RD0556_01_s_2017_38				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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 : FA\_2019\_RD0556\_18\_38\_20191021\_00070.jpg



View looking downstream at thick tree growth on the landside slope (Fall 2019).

**\* 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  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

LM Start	3.31	Rating **	U	Issue No.	57
LM End	3.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209547 °	38.202072 °
				-121.540842 °	-121.541058 °
DWR ID	DWR_RD0556_01_f_2019_57				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_57\_20191021\_00076.jpg



View looking upstream at thick vegetation on the waterside slope (Fall 2019).

LM Start	3.41	Rating **	U	Issue No.	56
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.208210 °	38.208210 °
				-121.541588 °	-121.541588 °
DWR ID	DWR_RD0556_01_f_2019_56				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope worn down by goats					

Photo 1 of 2 : FA\_2019\_RD0556\_18\_56\_20191021\_00072.jpg



View looking downslope at levee terracing on the landside slope due to goats (Fall 2019).

LM Start	<b>3.41</b>	Rating **	U	Issue No.	<b>56 (cont)</b>
LM End	<b>3.41</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_RD0556\_18\_56\_20191021\_00073.jpg



View looking upstream at levee terracing on the landside slope due to goats (Fall 2019).

* 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	10/18/2019 10/18/2019	David Julian

LM Start	3.42	Rating **	M	Issue No.	41
LM End	3.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208113 °	38.202053 °
				-121.541582 °	-121.541135 °
DWR ID	DWR_RD0556_01_f_2019_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth and maintain annual vegetation on the levee slope.					

No Photos

LM Start	3.43	Rating **	A/W	Issue No.	23
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.208070 °	38.203400 °
				-121.541700 °	-121.540990 °
DWR ID	USACE_CESPK_UPA1_2011_p_0143				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:67					
Site Designation:USACE_CESPK_UPA1_2011_p_0143					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:2/7/2017					
Notes: inactive ditch on landside toe, slope covered in heavy vegetation, minor landside lower slope sloughing observed.					

Photo 1 of 2 : FA\_2019\_RD0556\_18\_23\_20190826\_00004.jpg



<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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

LM Start	3.43	Rating **	A/W	Issue No.	23 (cont)
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.208070 °	38.203400 °
				-121.541700 °	-121.540990 °
DWR ID	USACE_CESPK_UPA1_2011_p_0143				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:67					
Site Designation:USACE_CESPK_UPA1_2011_p_0143					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:2/7/2017					
Notes: inactive ditch on landside toe, slope covered in heavy vegetation, minor landside lower slope sloughing observed,					

Photo 2 of 2 : FA\_2019\_RD0556\_18\_23\_20190826\_00005.jpg



LM Start	3.98	Rating **	U	Issue No.	39
LM End	5.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201273 °	38.190115 °
				-121.543328 °	-121.557642 °
DWR ID	DWR_RD0556_01_f _ 2017_39				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth including berry vines and arundo from landside slope and toe to allow for inspection and access.					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_39\_20190826\_00023.jpg



View of dense growth of wild vegetation, berry vines and arundo on landside slope and toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Georgiana Slough	Right	5.48	10/18/2019 10/18/2019	David Julian

LM Start	5.12	Rating **	M	Issue No.	37
LM End	5.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.189775°	38.187369°
				-121.557729°	-121.560247°
DWR ID	DWR_RD0556_01_f_2018_37				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 7.0 R					
Status: Eroding					
2017 Field Notes: Site extended downstream. Large erosion pockets and significant toe erosion.					
Site History: 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. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2019\_RD0556\_18\_37\_20190826\_00021.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 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	0.04	Rating **	U	Issue No.	92
LM End	0.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.239106°	38.238912°
				-121.518972°	-121.520247°
DWR ID	DWR_RD0556_02_f_2019_92				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Multiple fresh squirrel holes					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_92\_20191107\_00103.jpg



View of multiple fresh squirrel holes in the landside slope (Fall 2019).

LM Start	0.04	Rating **	U	Issue No.	20
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.239167°	38.239167°
				-121.519040°	-121.519040°
DWR ID	DWR_RD0556_02_f_2019_20				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_20\_20191107\_00080.jpg



View looking downstream at vehicle damage to the waterside slope (Fall 2019).

LM Start	0.11	Rating **	M	Issue No.	24
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238959 °	38.238410 °
				-121.520263 °	-121.524578 °
DWR ID	DWR_RD0556_02_s_2018_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

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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**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	0.26	Rating **	U	Issue No.	91
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238643 °	38.238147 °
				-121.522977 °	-121.526023 °
DWR ID	DWR_RD0556_02_f_2019_91				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_91\_20191107\_00102.jpg



View of thick vegetation on the landside slope (Fall 2019).

LM Start	0.32	Rating **	M	Issue No.	34
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238469°	38.238375°
				-121.524054°	-121.524873°
DWR ID	DWR_RD0556_02_f_2019_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.39	Rating **	C	Issue No.	22
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.238292 °	38.238292 °
				-121.525362 °	-121.525362 °
DWR ID	DWR_RD0556_02_f_2018_22				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
A foot path is digging into levee and should be monitored.					

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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# Reclamation District No. 0556 Upper Andrus

View looking upstream at thick trees on the waterside slope (Spring 2019).

View of fishermen trail digging into levee on the waterside slope (Fall 2019).

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	0.58	Rating **	U	Issue No.	51
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237712 °	38.240240 °
				-121.528657 °	-121.545037 °
DWR ID	DWR_RD0556_02_f_2018_51				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wildgrowth 20' down the waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_51\_20190826\_00030.jpg



View looking downstream at wildgrowth on the waterside slope (Spring 2019).

LM Start	0.58	Rating **	M	Issue No.	62
LM End	1.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.237712 °	38.238395 °
				-121.528657 °	-121.536273 °
DWR ID	DWR_RD0556_02_f_2018_62				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.65	Rating **	U	Issue No.	90
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237408 °	38.240955 °
				-121.530048 °	-121.549669 °
DWR ID	DWR_RD0556_02_f_2019_90				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries are on the landside slope.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_90\_20191107\_00101.jpg



View looking upstream at thick vegetation on the landside slope (Fall 2019).

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	0.69	Rating **	M	Issue No.	39
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.237469 °	38.237568 °
				-121.530647 °	-121.531358 °
DWR ID	DWR_RD0556_02_s_2018_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.03	Rating **	M	Issue No.	19
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.238772 °	38.239265 °
				-121.536788 °	-121.538845 °
DWR ID	DWR_RD0556_02_f_2018_19				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 25.2 L					
Status: Eroding					
2017 Field Notes: Minor new erosion observed.					
Site History: 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.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_19\_20190826\_00007.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 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 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	1.16	Rating **	M	Issue No.	42
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239083 °	38.239235 °
				-121.539122 °	-121.539695 °
DWR ID	DWR_RD0556_02_s_2018_42				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.26	Rating **	U	Issue No.	65
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239485 °	38.239607 °
				-121.540865 °	-121.541430 °
DWR ID	DWR_RD0556_02_s_2019_65				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_65\_20191107\_00082.jpg



View looking downstream at thick trees on the waterside slope (Fall 2019).

LM Start	1.37	Rating **	U	Issue No.	66
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239888°	38.240080°
				-121.542833°	-121.543942°
DWR ID	DWR_RD0556_02_f_2019_66				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_66\_20191107\_00083.jpg



View looking downstream at thick trees on the waterside slope (Fall 2019).

**\* 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

# Reclamation District No. 0556 Upper Andrus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	1.45	Rating **	M	Issue No.	18
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.240401 °	38.240772 °
				-121.544106 °	-121.546791 °
DWR ID	DWR_RD0556_02_f_2018_18				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 24.8 L					
Status: Eroding					
2017 Field Notes: Significant lower bank erosion.					
Site History: 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. 2016 - New erosion on levee slope.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_18\_20190826\_00006.jpg



USACE 2013 Photo #1

LM Start	1.46	Rating **	U	Issue No.	48
LM End	1.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240157 °	38.240157 °
				-121.544530 °	-121.544530 °
DWR ID	DWR_RD0556_02_f _ 2019_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove down dead tree on waterside slope					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_48\_20191107\_00084.jpg



View of downed dead tree on the waterside slope (Fall 2019).

* 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 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	1.64	Rating **	M	Issue No.	67
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240733 °	38.240972 °
				-121.547738 °	-121.549260 °
DWR ID	DWR_RD0556_02_f_2018_67				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.76	Rating **	M	Issue No.	68
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241003 °	38.240998 °
				-121.549887 °	-121.550352 °
DWR ID	DWR_RD0556_02_f_2018_68				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.01	Rating **	M	Issue No.	50
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.239885 °	38.239885 °
				-121.554122 °	-121.554122 °
DWR ID	DWR_RD0556_02_f_2019_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limbs from slope and shoulder.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_50\_20191107\_00085.jpg



View of down tree limbs on the waterside shoulder (Fall 2019).

**\* 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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	2.02	Rating **	U	Issue No.	71
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239768 °	38.236756 °
				-121.554258 °	-121.557899 °
DWR ID	DWR_RD0556_02_f_2018_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation 20' from the waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_71\_20190826\_00038.jpg



View looking upstream at vegetation on waterside slope (October 2018).

LM Start	2.06	Rating **	U	Issue No.	32
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239470 °	38.239470 °
				-121.554845 °	-121.554845 °
DWR ID	DWR_RD0556_02_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo growth should be removed to allow inspection and access to the landside slope and toe.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_32\_20190826\_00017.jpg



View of arundo on the landside slope and toe.

LM Start	2.12	Rating **	U	Issue No.	57
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.238887 °	38.238887 °
				-121.555570 °	-121.555570 °
DWR ID	DWR_RD0556_02_f_2019_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_57\_20191107\_00086.jpg



Down tree on the waterside shoulder (Fall 2019).

**\* 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



# Reclamation District No. 0556 Upper Andrus

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	2.90	Rating **	U	Issue No.	76 (cont)	
LM End	5.10	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.228683 °		38.197183 °
				-121.555352 °		-121.559049 °
DWR ID	DWR_RD0556_02_f_2018_76					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Remove vegetation 20' from the waterside slope including patches of arundo.						

Photo 2 of 2 : FA\_2019\_RD0556\_19\_76\_20190826\_00040.jpg



View looking upstream at thick wildgrowth on the waterside slope (Spring 2019).

LM Start	2.90	Rating **	U	Issue No.	86
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228627 °	38.223450 °
				-121.555220 °	-121.555398 °
DWR ID	DWR_RD0556_02_f_2019_86				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_86\_20191107\_00098.jpg



View of thick vegetation on the landside slope (Fall 2019).

LM Start	3.05	Rating **	M	Issue No.	77
LM End	3.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226567 °	38.226567 °
				-121.555225 °	-121.555225 °
DWR ID	DWR_RD0556_02_f_2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	3.17	Rating **	M	Issue No.	17
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.224850 °	38.223233 °
				-121.555641 °	-121.555687 °
DWR ID	DWR_RD0556_02_f _ 2018_17				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 23.2 L					
Status: Eroding					
2017 Field Notes: New erosion along lower bank.					
Site History: 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.					
2016 - New erosion at the toe.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_17\_20190826\_00005.jpg



USACE 2013 Photo #1

LM Start	3.29	Rating **	M	Issue No.	85
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.222995°	38.222995°
				-121.555433°	-121.555433°
DWR ID	DWR_RD0556_02_f_2019_85				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

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

# Reclamation District No. 0556 Upper Andrus

USACE 2013 Photo #1

View of erosion on the waterside shoulder (Fall 2019).

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	3.83	Rating **	U	Issue No.	84
LM End	3.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215223 °	38.214688 °
				-121.556903 °	-121.556868 °
DWR ID	DWR_RD0556_02_f_2018_84				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_84\_20191107\_00097.jpg



View looking upstream at thick trees on the landside slope (Fall 2019).

LM Start	3.95	Rating **	M	Issue No.	15
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.213581 °	38.211112 °
				-121.557197 °	-121.557042 °
DWR ID	DWR_RD0556_02_f_2018_15				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 22.5 L					
Status: Eroding					
2017 Field Notes: New lower bank erosion at the upstream end. Locals placed rock in some erosion pockets.					
Site History: 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.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_15\_20190826\_00003.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 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 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	4.01	Rating **	U	Issue No.	52
LM End	5.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.212662 °	38.198213 °
				-121.556808 °	-121.558407 °
DWR ID	DWR_RD0556_02_s_2018_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries are located at the landside toe.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_52\_20191107\_00096.jpg



View of vegetation on the landside slope. Weeds are obscuring the large blackberry vines at the landside toe (Fall 2019).

LM Start	4.41	Rating **	C	Issue No.	55
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.206922 °	38.206922 °
				-121.556837 °	-121.556837 °
DWR ID	DWR_RD0556_02_s_2018_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.45	Rating **	M	Issue No.	14
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.206377°	38.205729°
				-121.557184°	-121.557108°
DWR ID	DWR_RD0556_02_f_2018_14				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 21.9 L					
Status: Eroding					
2017 Field Notes: No observed change..					
Site History: 2013 - Erosion pockets encroaching on levee foundation.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_14\_20190826\_00002.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 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	4.56	Rating **	U	Issue No.	56
LM End	4.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.204666 °	38.204666 °
				-121.556813 °	-121.556813 °
DWR ID	DWR_RD0556_02_s_2018_56				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove dead tree/limb from the landside.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_56\_20190826\_00033.jpg



Fallen tree on landside should be removed.

LM Start	4.65	Rating **	M	Issue No.	27
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.203425 °	38.203425 °
				-121.556845 °	-121.556845 °
DWR ID	DWR_RD0556_02_s_2017_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_27\_20190826\_00012.jpg



View of fallen tree on the waterside slope (October 2018).

LM Start	4.94	Rating **	M	Issue No.	83
LM End	4.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.199282°	38.199282°
				-121.557835°	-121.557835°
DWR ID	DWR_RD0556_02_f_2018_83				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	<b>5.31</b>	Rating **	M	Issue No.	<b>64</b>							
LM End	<b>5.31</b>	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.194713°	38.194713°								
			-121.561177°	-121.561177°								
DWR ID	DWR_RD0556_02_f_2019_64											
Comment Code												
TR : Tree or limb												
Inspector Comment												

No Photos

LM Start	<b>5.35</b>	Rating **	U	Issue No.	<b>69</b>							
LM End	<b>5.35</b>	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.194337°	38.194337°								
			-121.561698°	-121.561698°								
DWR ID	DWR_RD0556_02_f_2019_69											
Comment Code												
TR : Tree or limb												
Inspector Comment												
Remove fallen tree limbs from the waterside shoulder.												

Photo 1 of 1 : FA\_2019\_RD0556\_19\_69\_20191107\_00090.jpg



View of large fallen tree limbs on the waterside shoulder. Leaves are obscuring the largest branches (Fall 2019).

LM Start	<b>5.46</b>	Rating **	M	Issue No.	<b>73</b>							
LM End	<b>5.46</b>	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.193302°	38.193302°								
			-121.563328°	-121.563328°								
DWR ID	DWR_RD0556_02_f_2019_73											
Comment Code												
TR : Tree or limb												
Inspector Comment												
Remove fallen tree limb from waterside shoulder.												

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	5.50	Rating **	M	Issue No.	81
LM End	5.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.192910 °	38.192550 °
				-121.563913 °	-121.564972 °
DWR ID	DWR_RD0556_02_f_2019_81				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries at landside toe need removal.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_81\_20191107\_00093.jpg



View looking downstream at blackberries at the landside toe (Fall 2019).

LM Start	5.53	Rating **	U	Issue No.	74
LM End	5.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.192803 °	38.192803 °
				-121.564388 °	-121.564388 °
DWR ID	DWR_RD0556_02_f_2019_74				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from the waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_74\_20191107\_00091.jpg



View of large fallen tree on the waterside slope (Fall 2019).

LM Start	5.56	Rating **	M	Issue No.	75
LM End	5.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.192623 °	38.192623 °
				-121.564928 °	-121.564928 °
DWR ID	DWR_RD0556_02_f_2019_75				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Down tree limb hanging over waterside slope needs removal.					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	11/05/2019 11/05/2019	David Julian

LM Start	5.64	Rating **	U	Issue No.	79
LM End	5.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.192237°	38.192237°
				-121.566368°	-121.566368°
DWR ID	DWR_RD0556_02_f_2018_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
More than 2 cubic feet of soil was removed between the two large burrow holes.					

Photo 1 of 1 : FA\_2019\_RD0556\_19\_79\_20190826\_00042.jpg



View looking upstream at burrow holes on landside slope. (October 2018).

<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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