

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>53</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0999_01_s_2013_53				
Comment Code					
Inspector Comment					
The LMA has a copy of the O & M manual on file.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>54</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0999_01_s_2019_54				
Comment Code					
Inspector Comment					
The LMA has adequate floodfight supplies and equipment on hand.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>55</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0999_01_s_2013_55				
Comment Code					
Inspector Comment					
The LMA is prepared for responding to floods and has received training.					

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 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	0.27	Rating **	M	Issue No.	3
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.501113 °	38.501113 °
				-121.581975 °	-121.581975 °
DWR ID	DWR_RD0999_01_s_2012_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.73	Rating **	M	Issue No.	919	
LM End	1.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.480097°	38.480097°	
				-121.580844°	-121.580844°	
DWR ID	22743					
Comment Code						
Inspector Comment						
DS_ID:22743 FS_ID:53368 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Same as last inspection. Pipe open on WS, but no visual signs of pipe or levee integrity issues so downgrading crossing to Non-Urgent (D. Sanoski - DWR UCIP).07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel drainage pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1- inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.73)]. FS Date: 7/26/2018 10:10:00 AM						

Photo 1 of 3 : UCIP\_FA\_2019\_53368\_25191.jpg



Pipe open on WS 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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Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	1.73	Rating **	M	Issue No.	919 (cont)	
LM End	1.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.480097 °	38.480097 °	
				-121.580844 °	-121.580844 °	
DWR ID	22743					
Comment Code						
Inspector Comment						
DS_ID:22743 FS_ID:53368 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/26/2018 Same as last inspection. Pipe open on WS, but no visual signs of pipe or levee integrity issues so downgrading crossing to Non-Urgent (D. Sanoski - DWR UCIP).07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel drainage pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1- inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.73)]. FS Date: 7/26/2018 10:10:00 AM						

LM Start	<b>1.73</b>	Rating **	M	Issue No.	<b>919 (cont)</b>
LM End	<b>1.73</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_53368\_25190.jpg



Pump platform visible off LS toe, but no appurtenances remain.

Photo 3 of 3 : UCIP\_FA\_2019\_53368\_25189.jpg



Pump platform visible off LS toe, but no appurtenances remain.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	1.79	Rating **	M	Issue No.	30
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.479165 °	38.474200 °
				-121.580640 °	-121.580480 °
DWR ID	DWR_RD0999_01_s_2012_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
LMA claimed that RD765 is responsible for maintenance for landside section approximately between LM 1.79-2.25, but DWR forwarded the LMA their boundary map located in the USACE Unit 113 O&M Manual.					

Photo 1 of 3 : FA\_2019\_RD0999\_232\_30\_20190930\_00076.jpg



View of untrimmed trees on landside slope. LMA claims that RD 765 is responsible for maintenance. Fall 2018

LM Start	<b>1.79</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2019\_RD0999\_232\_30\_20190904\_00012.jpg



View of untrimmed trees on landside slope. LMA claims that RD 765 is responsible for maintenance. Fall 2018

LM Start	<b>1.79</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2019\_RD0999\_232\_30\_20190904\_00013.jpg



Looking southeast at dense trees on landward slope. (Fall 2016)

**\* 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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Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	2.17	Rating **	M	Issue No.	32
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.473650 °	38.473650 °
				-121.580756 °	-121.580756 °
DWR ID	DWR_RD0999_01_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Trim wild growth on levee slope, and monitor Arundo in area.					

Photo 1 of 2 : FA\_2019\_RD0999\_232\_32\_20190904\_00017.jpg



View of tall weeds on levee slope. Fall 2018

LM Start	<b>2.17</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>2.17</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2019\_RD0999\_232\_32\_20190904\_00018.jpg



View of Arundo further down levee slope. Fall 2018

LM Start	2.45	Rating **	M	Issue No.	28
LM End	2.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.469875 °	38.469875 °
				-121.582733 °	-121.582733 °
DWR ID	DWR_RD0999_01_s_2019_28				
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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Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	3.22	Rating **	M	Issue No.	51
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.459399°	38.459399°
				-121.587523°	-121.587523°
DWR ID	DWR_RD0999_01_s_2013_51				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair depression on landward shoulder and slope approximately 40' x 20'. Earthen material appears to be sliding toward levee toe.					

LM Start	<b>3.22</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.22</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : FA\_2019\_RD0999\_232\_51\_20190904\_00033.jpg



View of landside slope looking south. Fall 2017

Photo 2 of 3 : FA\_2019\_RD0999\_232\_51\_20190904\_00034.jpg



Looking northeast at depression on landward slope. Fall 2016

LM Start	<b>3.22</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.22</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2019\_RD0999\_232\_51\_20190904\_00035.jpg



Looking north at depression on landside shoulder and slope. Spring 2016

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Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	3.61	Rating **	M	Issue No.	40
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.454113 °	38.453857 °
				-121.589963 °	-121.590077 °
DWR ID	DWR_RD0999_01_s_2019_40				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	4.16	Rating **	N	Issue No.	14
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.446619 °	38.446619 °
				-121.593442 °	-121.593442 °
DWR ID	DWR_RD0999_01_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.31	Rating **	M	Issue No.	27
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.444560 °	38.444560 °
				-121.594440 °	-121.594440 °
DWR ID	DWR_RD0999_01_f_2012_27				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Instruct farmer to stop driving equipment and trucks on slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_232\_27\_20190904\_00010.jpg



Looking at slope damage cause by vehicle traffic on waterward slope.  
(Fall 2016)

<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 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	5.21	Rating **	C	Issue No.	43
LM End	5.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.432322°	38.432322°
				-121.600123°	-121.600123°
DWR ID	DWR_RD0999_01_s_2019_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The LMA completed the repair of a ~60' length of slip after the inspection.					

No Photos

LM Start	8.17	Rating **	C	Issue No.	16
LM End	8.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.391963 °	38.391963 °
				-121.618782 °	-121.618782 °
DWR ID	DWR_RD0999_01_f_2018_16				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The LMA repaired the cracks on the landside slope after the inspection.					

No Photos

LM Start	8.49	Rating **	C	Issue No.	17
LM End	8.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.387645 °	38.387645 °
				-121.620810 °	-121.620810 °
DWR ID	DWR_RD0999_01_f_2018_17				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The LMA repaired the cracks on the landside shoulder after the inspection.					

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 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	<b>8.80</b>	Rating **	C	Issue No.	<b>18</b>
LM End	<b>8.80</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.383468°	38.383468°	
			-121.622748°	-121.622748°	
DWR ID	DWR_RD0999_01_f_2018_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill large animal burrows at the shoulder and slope.					

No Photos

LM Start	<b>8.89</b>	Rating **	C	Issue No.	<b>22</b>
LM End	<b>8.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Cracking		38.382145°	38.382145°	
			-121.623363°	-121.623363°	
DWR ID	DWR_RD0999_01_f_2018_22				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The LMA repaired the cracks after the inspection.					

No Photos

LM Start	<b>9.15</b>	Rating **	C	Issue No.	<b>23</b>
LM End	<b>9.17</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.378623°	38.378345°	
			-121.624962°	-121.625092°	
DWR ID	DWR_RD0999_01_f_2018_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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  
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Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	9.34	Rating **	A/W	Issue No.	24
LM End	9.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.376127°	38.376127°
				-121.626140°	-121.626140°
DWR ID	DWR_RD0999_01_s_2019_24				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill the animal burrow, and monitor area.					

No Photos

LM Start	9.53	Rating **	C	Issue No.	12
LM End	9.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373510 °	38.370813 °
				-121.627325 °	-121.628653 °
DWR ID	DWR_RD0999_01_f_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA mowed the vegetation after the inspection.					

No Photos

LM Start	9.67	Rating **	M	Issue No.	13
LM End	9.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.371553 °	38.370563 °
				-121.628265 °	-121.628743 °
DWR ID	DWR_RD0999_01_f_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0999\_232\_13\_20190926\_00062.jpg



View looking upstream at landside vegetation. 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	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 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	<b>9.68</b>	Rating **	C	Issue No.	<b>21</b>
LM End	<b>9.73</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.371490°	38.370790°	
			-121.628292°	-121.628632°	
DWR ID	DWR_RD0999_01_f_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA mowed vegetation after the inspection.					

No Photos

LM Start	<b>9.98</b>	Rating **	C	Issue No.	<b>33</b>
LM End	<b>9.98</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.367303°	38.367303°	
			-121.630278°	-121.630278°	
DWR ID	DWR_RD0999_01_f_2018_33				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill recent rodent holes.					

No Photos

LM Start	<b>10.93</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>10.93</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.354377°	38.354377°	
			-121.636255°	-121.636255°	
DWR ID	DWR_RD0999_01_s_2019_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from the waterside slope.					

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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	11.16	Rating **	M	Issue No.	35
LM End	11.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.351308 °	38.351308 °
				-121.637642 °	-121.637642 °
DWR ID	DWR_RD0999_01_f_2018_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill the animal burrow.					

Photo 1 of 1 : FA\_2019\_RD0999\_232\_35\_20190926\_00065.jpg



View of animal hole on the landside slope. Fall 2019

LM Start	13.17	Rating **	A/W	Issue No.	29
LM End	13.19	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.322938 °	38.322690 °
				-121.644940 °	-121.644953 °
DWR ID	DWR_RD0999_01_f_2019_29				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor cracks as deep as 4" on the landside shoulder.					

Photo 1 of 2 : FA\_2019\_RD0999\_232\_29\_20190926\_00068.jpg



View of longitudinal cracks as deep as 4" on the landside shoulder. Fall 2019

LM Start	<b>13.17</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>13.19</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : FA\_2019\_RD0999\_232\_29\_20190926\_00069.jpg



View of longitudinal cracks as deep as 4" on the landside 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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	13.26	Rating **	A/W	Issue No.	37
LM End	13.27	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.321620°	38.321490°
				-121.644968°	-121.644968°
DWR ID	DWR_RD0999_01_f_2019_37				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor cracks as deep as 8" on the landside shoulder.					



View of longitudinal cracks as deep as 8" on the landside shoulder. Fall 2019

LM Start	<b>13.26</b>	Rating **	A/W	Issue No.	<b>37 (cont)</b>
LM End	<b>13.27</b>	Issue Type +	Ma	Location *	CR



View of longitudinal cracks as deep as 8" on the landside shoulder. Fall 2019

LM Start	13.44	Rating **	A/W	Issue No.	38
LM End	13.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.319025 °	38.318867 °
				-121.644967 °	-121.644922 °
DWR ID	DWR_RD0999_01_f_2019_38				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor small cracks less than 2" deep.					

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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	14.00	Rating **	A/W	Issue No.	41
LM End	14.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.310882 °	38.310882 °
				-121.644982 °	-121.644982 °
DWR ID	DWR_RD0999_01_f_2019_41				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Monitor a 5'-long crack as deep as 7" on the landside shoulder.					

Photo 1 of 1 : FA\_2019\_RD0999\_232\_41\_20190926\_00072.jpg



View of longitudinal crack as deep as 7" on the landside shoulder. Fall 2019

LM Start	14.04	Rating **	M	Issue No.	49
LM End	14.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.310347 °	38.310347 °
				-121.644955 °	-121.644955 °
DWR ID	DWR_RD0999_01_f_2012_49				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Repair caving, 4' x 10', on the landside slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_232\_49\_20190904\_00031.jpg



View of caving on landward slope. Fall 2018

LM Start	14.74	Rating **	C	Issue No.	46
LM End	14.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.300187 °	38.300187 °
				-121.644985 °	-121.644985 °
DWR ID	DWR_RD0999_01_f_2019_46				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The LMA repaired the cracks after the inspection.					

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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	15.24	Rating **	A/W	Issue No.	925
LM End	15.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.292973 °	38.292973 °
				-121.644977 °	-121.644977 °
DWR ID	22756				
Comment Code					
Inspector Comment					
DS_ID:22756					
FS_ID:15365					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Pump in pump house on the landside (LS) toe. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 15.25) (36-inch pipe listed)].					
FS Date: 6/25/2013					

LM Start	<b>15.24</b>	Rating **	A/W	Issue No.	<b>925 (cont)</b>
LM End	<b>15.24</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_15365\_25227.jpg



Pumphouse on LS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_15365\_25226.jpg



Siphon breaker in CMP riser on WS 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 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	09/25/2019 09/25/2019	Luz Dial

LM Start	15.24	Rating **	A/W	Issue No.	925 (cont)	
LM End	15.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.292973 °	38.292973 °	
				-121.644977 °	-121.644977 °	
DWR ID	22756					
Comment Code						
Inspector Comment						
DS_ID:22756 FS_ID:15365 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Pump in pump house on the landside (LS) toe. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 15.25) (36-inch pipe listed)]. FS Date: 6/25/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_15365\_25225.jpg



Closeup of pipe at pumphouse on LS 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	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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	09/25/2019 09/25/2019	Luz Dial

LM Start	0.83	Rating **	C	Issue No.	19
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292386°	38.292386°
				-121.630543°	-121.630543°
DWR ID	DWR_RD0999_02_f_2012_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.85	Rating **	M	Issue No.	20
LM End	0.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292318°	38.292318°
				-121.630172°	-121.630172°
DWR ID	DWR_RD0999_02_s_2019_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.93	Rating **	C	Issue No.	2
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.291823 °	38.291250 °
				-121.628973 °	-121.627285 °
DWR ID	DWR_RD0999_02_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled holes and has an active baiting program.					

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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	09/25/2019 09/25/2019	Luz Dial

LM Start	1.24	Rating **	M	Issue No.	34
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291370°	38.291370°
				-121.623467°	-121.623467°
DWR ID	DWR_RD0999_02_s_2019_34				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.73	Rating **	M	Issue No.	8
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289895°	38.289595°
				-121.614688°	-121.614337°
DWR ID	DWR_RD0999_02_s_2012_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.81	Rating **	M	Issue No.	30
LM End	1.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289079 °	38.289079 °
				-121.613765 °	-121.613765 °
DWR ID	DWR_RD0999_02_f_2017_30				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bushes block visibility of the levee toe.					

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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	09/25/2019 09/25/2019	Luz Dial

LM Start	1.93	Rating **	M	Issue No.	16
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288713 °	38.288713 °
				-121.611620 °	-121.611620 °
DWR ID	DWR_RD0999_02_s_2012_16				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.97	Rating **	A/W	Issue No.	33
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.288712 °	38.288712 °
				-121.610920 °	-121.610920 °
DWR ID	DWR_RD0999_02_s_2017_33				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Monitor animal activity.					

No Photos

LM Start	2.14	Rating **	M	Issue No.	37
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.288258 °	38.288258 °
				-121.607925 °	-121.607925 °
DWR ID	DWR_RD0999_02_s_2019_37				
Comment Code					
DE : Debris					
Inspector Comment					
Remove sofa debris on the waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_233\_37\_20190926\_00048.jpg



View looking southward at debris on the waterside 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	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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	0.04	Rating **	M	Issue No.	32
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287040 °	38.287040 °
				-121.605667 °	-121.605667 °
DWR ID	DWR_RD0999_03_f_2017_32				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the large pruning pile on waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_234\_32\_20190904\_00019.jpg



View of waterside slope looking east. Fall 2017

LM Start	0.06	Rating **	M	Issue No.	17
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287290 °	38.287290 °
				-121.605472 °	-121.605472 °
DWR ID	DWR_RD0999_03_s_2017_17				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove Century plants that are not allowed on the waterward slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_234\_17\_20190904\_00011.jpg



Looking east at century plants on waterward slope.

LM Start	0.09	Rating **	M	Issue No.	23
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287595 °	38.287595 °
				-121.605275 °	-121.605275 °
DWR ID	DWR_RD0999_03_s_2017_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove large pruning piles on the waterward slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_234\_23\_20190904\_00014.jpg



Looking east at large pruning piles on waterward slope.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	0.24	Rating **	U	Issue No.	5
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.289634 °	38.295505 °
				-121.604343 °	-121.605648 °
DWR ID	DWR_RD0999_03_s_2019_5				
Comment Code					
Inspector Comment					
2017 Site ID: STR 24.7 R Status: Critical 2017 Field Notes: Locals have placed rock in worst sections. Fresh erosion at toe. New tall vertical sections observed. Site History: 1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 - Minor new erosion at the toe. 2013 - Site upgraded to CRITICAL. Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. 2015 - New slumping, tall vertical sections. 2016 - Upper slumped section continues to worsen.					

No Photos

LM Start	0.44	Rating **	M	Issue No.	13
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292512 °	38.295555 °
				-121.604967 °	-121.605945 °
DWR ID	DWR_RD0999_03_f_2019_13				
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	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**

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**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	0.66	Rating **	U	Issue No.	8
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295618 °	38.295618 °
				-121.605923 °	-121.605923 °
DWR ID	DWR_RD0999_03_s_2012_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.96	Rating **	M	Issue No.	14
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.299372 °	38.299372 °
				-121.603397 °	-121.603397 °
DWR ID	DWR_RD0999_03_f _ 2019_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.97	Rating **	M	Issue No.	6
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.299402 °	38.300542 °
				-121.603056 °	-121.601118 °
DWR ID	DWR_RD0999_03_s_2019_6				
Comment Code					
Inspector Comment					
2017 Site ID: STR 25.2 R					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion.					

No Photos

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

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

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	1.43	Rating **	M	Issue No.	10
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.305229 °	38.306667 °
				-121.599933 °	-121.598266 °
DWR ID	DWR_RD0999_03_s_2019_10				
Comment Code					
Inspector Comment					
2017 Site ID: STR 25.7 R					
Status: Eroding					
2017 Field Notes: Large erosion scarp near downstream end.					
Site History: 2011 - Toe scour along length of site and erosion pockets.					
2012 - Site extended slightly upstream due to new erosion pocket.					
2013 - Tall vertical sections at upstream end of site.					

No Photos

LM Start	1.61	Rating **	M	Issue No.	29	
LM End	1.61	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.307288°		38.307288°
				-121.598100°		-121.598100°
DWR ID	DWR_RD0999_03_s_2019_29					
Comment Code						
DE : Debris						
Inspector Comment						
Remove trash and pruning debris left at the turnout.						

Photo 1 of 1 : FA\_2019\_RD0999\_234\_29\_20190926\_00032.jpg



View of debris on the waterside turnout. Fall 2019

LM Start	1.93	Rating **	M	Issue No.	45
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.311013 °	38.311342 °
				-121.597751 °	-121.596976 °
DWR ID					
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.1 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2015 - Tall vertical sections into the levee slope and erosion along the toe. 2016 - New tree pop-out observed.					

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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	2.97	Rating **	A/W	Issue No.	12
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.323419 °	38.325592 °
				-121.589645 °	-121.585925 °
DWR ID	DWR_RD0999_03_s_2019_12				
Comment Code					
Inspector Comment					
2017 Site ID: STR 27.3 R					
Status: Eroding					
2017 Field Notes: site extended downstream. section of lower bank has slumped off. fresh toe erosion. pipe encroachment. fresh tree popout					
Site History: 2011 - Multiple erosion pockets. Some likely from tree popouts. 2013 - Tall vertical sections. 2015 - New tree pop-out and significant new erosion. 2016 - New erosion at toe.					

No Photos

LM Start	3.09	Rating **	A/W	Issue No.	9
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.323986 °	38.324275 °
				-121.587403 °	-121.586967 °
DWR ID	LMA-182				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 147 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R03E Section 36 and 25.					
Site ID No:355					
Site Designation:LMA-182					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/27/2017					
Notes: Fall 2018 DWR Inspector: Observed erosion into the bank and fallen tree. End LM not given on report.					

Photo 1 of 5 : FA\_2019\_RD0999\_234\_9\_20190904\_00003.jpg



View of some erosion on slope. Fall 2018

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

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	<b>3.09</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.323986°	38.324275°	
			-121.587403°	-121.586967°	

DWR ID	LMA-182
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**Comment Code**

**Inspector Comment**

**Levee Evaluation Comments**

Description: The damage consists of erosion of the lower waterside levee slope and bank approximately 147 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R03E Section 36 and 25.

Site ID No: 355

Site Designation: LMA-182

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/27/2017

Notes: Fall 2018 DWR Inspector: Observed erosion into the bank and fallen tree. End LM not given on report.

LM Start	<b>3.09</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA\_2019\_RD0999\_234\_9\_20190904\_00004.jpg



View of fallen tree at water's edge. Fall 2018

Photo 3 of 5 : LEVAL\_FA\_2019\_355\_2523.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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## Reclamation District No. 0999 Netherlands

LM Start	<b>3.09</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	WS



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



**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	3.15	Rating **	M	Issue No.	19
LM End	3.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.324722°	38.324722°
				-121.586812°	-121.586812°
DWR ID	DWR_RD0999_03_f_2019_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.18	Rating **	A/W	Issue No.	15
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.325053 °	38.325489 °
				-121.586347 °	-121.586100 °
DWR ID	LMA-183				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 172 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R04E Section 3 and 4.					
Site ID No:356					
Site Designation:LMA-183					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/27/2017					
Notes: 2018 DWR Inspector: Erosion not visible from levee slope.					

Photo 1 of 3 : LEVAL\_FA\_2019\_356\_2492.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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	09/25/2019 10/11/2019	Luz Dial

LM Start	3.18	Rating **	A/W	Issue No.	15 (cont)	
LM End	3.21	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.325053 °	38.325489 °	
				-121.586347 °	-121.586100 °	
DWR ID	LMA-183					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 172 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R04E Section 3 and 4.						
Site ID No:356						
Site Designation:LMA-183						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/27/2017						
Notes: 2018 DWR Inspector: Erosion not visible from levee slope.						

Photo 2 of 3 : LEVAL\_FA\_2019\_356\_2493.jpg



Photo 3 of 3 : LEVAL\_FA\_2019\_356\_2499.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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	09/27/2019 10/11/2019	Luz Dial

LM Start	0.00	Rating **	A/W	Issue No.	54
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.414022°	38.414022°
				-121.522986°	-121.522986°
DWR ID	22788				
Comment Code					
Inspector Comment					
DS_ID:22788					
FS_ID:15708					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)					
FIELD_STRUCT_DESC: [Elk Slough Inlet Structure] 60-inch by 60-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in a 6-foot by 8-foot concrete vault on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 0.00)].					
FS Date: 7/12/2013					

Photo 1 of 2 : UCIP\_FA\_2019\_15708\_26137.jpg



Slide gate in concrete vault on WS shoulder.

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>54 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_15708\_26136.jpg



Toe of LS at approximate location of outlet/inlet.

<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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	09/27/2019 10/11/2019	Luz Dial

LM Start	0.02	Rating **	U	Issue No.	23
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.414387 °	38.417692 °
				-121.522871 °	-121.525083 °
DWR ID	DWR_RD0999_04_f_2019_23				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 41.9 R					
Status: Critical					
2017 Field Notes: Fresh erosion on entire bank. Upgraded to critical.					
Site History: 1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present.					
2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2016 - Minor new slumping.					

Photo 1 of 1 : FA\_2019\_RD0999\_235\_23\_20190904\_00011.jpg



USACE 2013 Photo #1

LM Start	0.04	Rating **	U	Issue No.	53
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.414533 °	38.414750 °
				-121.523394 °	-121.523543 °
DWR ID	DWR_RD0999_04_f_2017_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth vegetation on the waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_235\_53\_20190904\_00028.jpg



Looking southeast at the waterside slope. Fall 2017

<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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	09/27/2019 10/11/2019	Luz Dial

LM Start	0.10	Rating **	A/W	Issue No.	42
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.415319 °	38.417744 °
				-121.523717 °	-121.525344 °
DWR ID	LMA-184				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of erosion of the lower and mid waterside levee slope approximately 997 feet in length along the west (right) bank of the Sacramento River. See attached pages for photos. Site location T06N R04E Section 3 and 4.					
Site ID No:357					
Site Designation:LMA-184					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/27/2017					
Notes: on bank slope, big trees with exposed tree roots observed 2018 DWR Inspector: Fallen tree on water's edge. Erosion not visible from slope. Fall 2019 DWR Inspector: A tree with exposed rootball and a fallen tree exist on the erosion site between LM 0.19-0.20.					

LM Start	<b>0.10</b>	Rating **	A/W	Issue No.	<b>42 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2019\_RD0999\_235\_42\_20190904\_00018.jpg



View of fallen tree. Fall 2018

Photo 2 of 4 : LEVAL\_FA\_2019\_357\_2461.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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	09/27/2019 10/11/2019	Luz Dial

LM Start	0.10	Rating **	A/W	Issue No.	42 (cont)	
LM End	0.29	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.415319 °		38.417744 °
				-121.523717 °		-121.525344 °
DWR ID	LMA-184					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The damage consists of erosion of the lower and mid waterside levee slope approximately 997 feet in length along the west (right) bank of the Sacramento River. See attached pages for photos. Site location T06N R04E Section 3 and 4.						
Site ID No:357						
Site Designation:LMA-184						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/27/2017						
Notes: on bank slope, big trees with exposed tree roots observed 2018 DWR Inspector: Fallen tree on water's edge. Erosion not visible from slope. Fall 2019 DWR Inspector: A tree with exposed rootball and a fallen tree exist on the erosion site between LM 0.19-0.20.						

LM Start	<b>0.10</b>	Rating **	A/W	Issue No.	<b>42 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : LEVAL\_FA\_2019\_357\_2465.jpg



Photo 4 of 4 : LEVAL\_FA\_2019\_357\_2475.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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# Reclamation District No. 0999 Netherlands

No Photos

View looking downstream at low-hanging tree branches on levee slope.  
Spring 2019

Looking southeast at the waterside slope.

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# Reclamation District No. 0999 Netherlands

* 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

# Reclamation District No. 0999 Netherlands

View of erosion on shoulder and slope. Fall 2018

Looking south at dense trees on landside slope. Fall 2017

Looking south at dense trees on landward slope.

Page 7 of 7



**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	0.00	Rating **	M	Issue No.	49
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.332643 °	38.414157 °
				-121.584449 °	-121.523156 °
DWR ID	DWR_RD0999_05_s_2019_49				
Comment Code					
Inspector Comment					
2017 Site ID: ELK 0.2 R					
Status: Eroding					
2017 Field Notes: Fresh erosion; site continues to worsen.					
Site History: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013 - Fresh erosion around pump structure.					

No Photos

LM Start	0.11	Rating **	M	Issue No.	165
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.334198°	38.334327°
				-121.584308°	-121.584275°
DWR ID	DWR_RD0999_05_s_2017_165				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage.					

Photo 1 of 3 : FA\_2019\_RD0999\_236\_165\_20190904\_00069.jpg



Looking at two inch plus crack on waterward 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 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	0.11	Rating **	M	Issue No.	165 (cont)	
LM End	0.12	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.334198°		38.334327°
				-121.584308°		-121.584275°
DWR ID	DWR_RD0999_05_s_2017_165					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Repair slope damage.						

Photo 2 of 3 : FA\_2019\_RD0999\_236\_165\_20190904\_00070.jpg



Looking upstream at cracking along waterward shoulder.

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>165 (cont)</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2019\_RD0999\_236\_165\_20190904\_00071.jpg



Looking downstream at crack along waterward shoulder.

LM Start	0.50	Rating **	M	Issue No.	57
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.339487 °	38.339487 °
				-121.582128 °	-121.582128 °
DWR ID	DWR_RD0999_05_f_2019_57				
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. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	0.56	Rating **	C	Issue No.	7
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340475 °	38.340475 °
				-121.581942 °	-121.581942 °
DWR ID	DWR_RD0999_05_s_2012_7				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.78	Rating **	M	Issue No.	128
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343495°	38.343617°
				-121.581282°	-121.581249°
DWR ID	DWR_RD0999_05_s_2012_128				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : FA\_2019\_RD0999\_236\_128\_20190904\_00052.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2015)

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>128 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2019\_RD0999\_236\_128\_20190904\_00053.jpg



Looking at dense trees 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 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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	0.84	Rating **	M	Issue No.	10
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.344294 °	38.344294 °
				-121.581054 °	-121.581054 °
DWR ID	DWR_RD0999_05_s_2018_10				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Clear vegetation from WS slope in vegetation management zone.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_10\_20190904\_00005.jpg



Vegetation waterside looking north. Spring 2018

LM Start	0.87	Rating **	M	Issue No.	53
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.344833 °	38.344833 °
				-121.580932 °	-121.580932 °
DWR ID	DWR_RD0999_05_s_2019_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.03	Rating **	M	Issue No.	54
LM End	1.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.346937 °	38.346937 °
				-121.579840 °	-121.579840 °
DWR ID	DWR_RD0999_05_s_2019_54				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	1.04	Rating **	M	Issue No.	146
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.347067 °	38.347331 °
				-121.579735 °	-121.579582 °
DWR ID	DWR_RD0999_05_f_2013_146				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.06	Rating **	M	Issue No.	55
LM End	1.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347332 °	38.347332 °
				-121.579503 °	-121.579503 °
DWR ID	DWR_RD0999_05_s_2019_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	U	Issue No.	15
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348237 °	38.348328 °
				-121.578440 °	-121.577735 °
DWR ID	DWR_RD0999_05_s_2012_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_15\_20190904\_00011.jpg



Looking north at untrimmed trees on landward slope and toe.

\* 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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	1.30	Rating **	M	Issue No.	36
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348252°	38.348252°
				-121.575704°	-121.575704°
DWR ID	DWR_RD0999_05_s_2012_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.33	Rating **	M	Issue No.	59
LM End	1.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348223 °	38.348160 °
				-121.575145 °	-121.574472 °
DWR ID	DWR_RD0999_05_s_2019_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.42	Rating **	M	Issue No.	60
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348152 °	38.348152 °
				-121.573605 °	-121.573605 °
DWR ID	DWR_RD0999_05_s_2019_60				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	1.43	Rating **	A/W	Issue No.	61
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.348283 °	38.348283 °
				-121.573347 °	-121.573347 °
DWR ID	DWR_RD0999_05_f_2019_61				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor two footpaths.					

No Photos

LM Start	1.55	Rating **	C	Issue No.	18
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.349848 °	38.350757 °
				-121.573648 °	-121.573910 °
DWR ID	DWR_RD0999_05_s_2012_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.69	Rating **	M	Issue No.	65
LM End	1.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.351837 °	38.351837 °
				-121.574058 °	-121.574058 °
DWR ID	DWR_RD0999_05_f_2019_65				
Comment Code					
T4 : Trim trees over roadway to at least 12 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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	1.69	Rating **	U	Issue No.	199
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.351957°	38.351957°
				-121.574096°	-121.574096°
DWR ID	DWR_RD0999_05_f_2014_199				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_199\_20190904\_00089.jpg



Looking northwest at dense vegetation on landward slope.

LM Start	1.70	Rating **	M	Issue No.	21
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.352088 °	38.352683 °
				-121.574052 °	-121.574090 °
DWR ID	DWR_RD0999_05_s_2012_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
LMA sprayed vegetation but needs to clear debris.					

No Photos

LM Start	2.32	Rating **	M	Issue No.	69
LM End	2.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.354655 °	38.354655 °
				-121.565955 °	-121.565955 °
DWR ID	DWR_RD0999_05_f_2019_69				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree from the waterside slope.					

No Photos

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

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

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	2.92	Rating **	M	Issue No.	68
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.361977 °	38.361977 °
				-121.563343 °	-121.563343 °
DWR ID	DWR_RD0999_05_s_2019_68				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings need to be cleared from the waterside slope.					

No Photos

LM Start	3.55	Rating **	M	Issue No.	83
LM End	3.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.365742 °	38.365742 °
				-121.556778 °	-121.556778 °
DWR ID	DWR_RD0999_05_f_2018_83				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Repair slope damage caused by a large fallen tree.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_83\_20190904\_00033.jpg



View of a fallen tree and slope damage. Fall 2018

LM Start	3.67	Rating **	M	Issue No.	72
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.367430 °	38.367430 °
				-121.556580 °	-121.556580 °
DWR ID	DWR_RD0999_05_s_2019_72				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	3.80	Rating **	M	Issue No.	85
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.368175 °	38.368175 °
				-121.554392 °	-121.554392 °
DWR ID	DWR_RD0999_05_f_2018_85				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair levee slope damaged by a fallen tree.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_85\_20190904\_00034.jpg



View of fallen tree and slope damage. Fall 2018

LM Start	3.80	Rating **	C	Issue No.	174
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.368207 °	38.368207 °
				-121.554360 °	-121.554360 °
DWR ID	DWR_RD0999_05_s_2019_174				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree branch and limbs on the waterside slope.					

No Photos

LM Start	3.93	Rating **	M	Issue No.	79
LM End	3.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.368767 °	38.368767 °
				-121.552425 °	-121.552425 °
DWR ID	DWR_RD0999_05_f_2019_79				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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

**Flood Control Project Maintenance  
Levee Inspections**

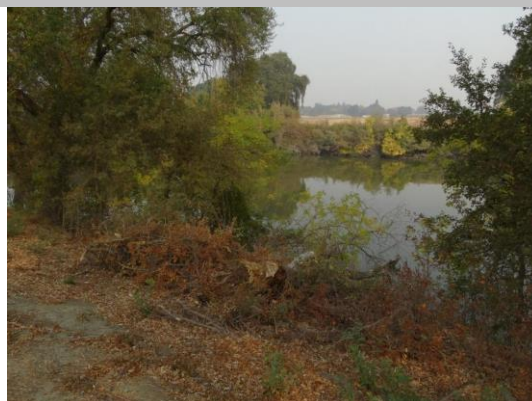
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	4.01	Rating **	M	Issue No.	90
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.369813 °	38.369813 °
				-121.552985 °	-121.552985 °
DWR ID	DWR_RD0999_05_f_2018_90				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree debris from the levee slope easement.					

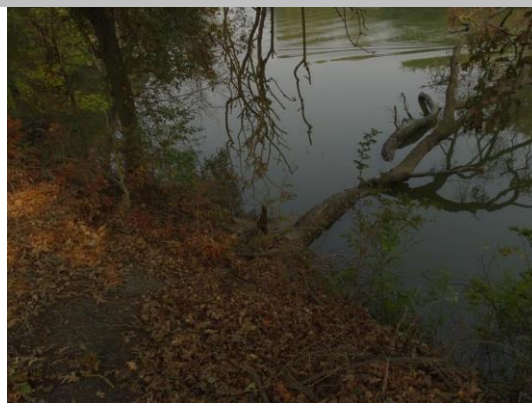
Photo 1 of 1 : FA\_2019\_RD0999\_236\_90\_20190904\_00035.jpg



View of tree debris on levee easement. Fall 2018

LM Start	4.08	Rating **	M	Issue No.	91
LM End	4.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.370853 °	38.370853 °
				-121.553605 °	-121.553605 °
DWR ID	DWR_RD0999_05_f _ 2018_91				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion caused by a fallen tree with exposed rootball.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_91\_20190904\_00036.jpg



View of tree with rootball exposed. Fall 2018

LM Start	4.13	Rating **	A/W	Issue No.	82
LM End	4.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.371470 °	38.371470 °
				-121.553528 °	-121.553528 °
DWR ID	DWR_RD0999_05_f_2019_82				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor erosion due to a fallen tree with exposed rootball at the water's edge.					

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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	4.25	Rating **	M	Issue No.	12
LM End	4.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.372872 °	38.372872 °
				-121.552185 °	-121.552185 °
DWR ID	DWR_RD0999_05_s_2017_12				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Sloughing damage needs to be repaired.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_12\_20190904\_00008.jpg



Looking downstream at finger erosion on downstream side of slough.

LM Start	4.38	Rating **	M	Issue No.	44
LM End	4.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.374591 °	38.374617 °
				-121.550936 °	-121.550903 °
DWR ID	DWR_RD0999_05_s_2018_44				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings.					

No Photos

LM Start	4.44	Rating **	M	Issue No.	80
LM End	4.44	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375050 °	38.375050 °
				-121.550045 °	-121.550045 °
DWR ID	DWR_RD0999_05_f_2019_80				
Comment Code					
T4 : Trim trees over roadway to at least 12 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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	4.54	Rating **	M	Issue No.	98
LM End	4.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375077 °	38.375077 °
				-121.548225 °	-121.548225 °
DWR ID	DWR_RD0999_05_s_2019_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.57	Rating **	A/W	Issue No.	102
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.375127 °	38.375127 °
				-121.547703 °	-121.547703 °
DWR ID	DWR_RD0999_05_f_2019_102				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor split tree which may have eroded the waterside slope.					

No Photos

LM Start	4.62	Rating **	U	Issue No.	28
LM End	4.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375308 °	38.375308 °
				-121.546828 °	-121.546828 °
DWR ID	DWR_RD0999_05_s_2017_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope and is partly in water. Large hole on waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_28\_20190904\_00017.jpg



View of dead tree on slope. Fall 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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	4.65	Rating **	N	Issue No.	62
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375365 °	38.375365 °
				-121.546305 °	-121.546305 °
DWR ID	DWR_RD0999_05_s _ 2012_62				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_62\_20190904\_00026.jpg



View of tree stump on levee slope. Fall 2018

LM Start	5.04	Rating **	M	Issue No.	105
LM End	5.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.379273 °	38.379522 °
				-121.541150 °	-121.541045 °
DWR ID	DWR_RD0999_05_s _ 2019_105				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.06	Rating **	M	Issue No.	106
LM End	5.06	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.379540 °	38.379540 °
				-121.541050 °	-121.541050 °
DWR ID	DWR_RD0999_05_s _ 2019_106				
Comment Code					
DE : Debris					
Inspector Comment					
Clear debris and prunings on the levee crown.					

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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	5.50	Rating **	U	Issue No.	71
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.382790 °	38.383548 °
				-121.546754 °	-121.546728 °
DWR ID	DWR_RD0999_05_s_2012_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_71\_20190904\_00030.jpg



Looking northeast at dense vegetation on waterside slope.

LM Start	5.67	Rating **	M	Issue No.	110
LM End	5.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384468 °	38.384468 °
				-121.545038 °	-121.545038 °
DWR ID	DWR_RD0999_05_s_2019_110				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree logs and debris need to be cleared from the levee easement.					

No Photos

LM Start	5.72	Rating **	M	Issue No.	99
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.384578 °	38.384578 °
				-121.544173 °	-121.544173 °
DWR ID	DWR_RD0999_05_f_2018_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair damage to toe from downed tree.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_99\_20190904\_00045.jpg



View of fallen tree and slope damage. Fall 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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	6.05	Rating **	M	Issue No.	108
LM End	6.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.387158 °	38.387158 °
				-121.541760 °	-121.541760 °
DWR ID	DWR_RD0999_05_f_2019_108				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.20	Rating **	C	Issue No.	111
LM End	6.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.389112 °	38.389313 °
				-121.542912 °	-121.542955 °
DWR ID	DWR_RD0999_05_s_2019_111				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.44	Rating **	M	Issue No.	129
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.391527 °	38.391527 °
				-121.539895 °	-121.539895 °
DWR ID	DWR_RD0999_05_f_2019_129				
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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	<b>6.69</b>	Rating **	M	Issue No.	<b>135</b>
LM End	<b>6.69</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.394637 °	38.394637 °	
			-121.539480 °	-121.539480 °	
DWR ID	DWR_RD0999_05_f_2019_135				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	<b>6.84</b>	Rating **	M	Issue No.	<b>115</b>
LM End	<b>6.89</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.396357 °	38.396612 °	
			-121.537892 °	-121.537072 °	
DWR ID	DWR_RD0999_05_s_2019_115				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>6.91</b>	Rating **	M	Issue No.	<b>116</b>
LM End	<b>6.91</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.396708 °	38.396708 °	
			-121.536747 °	-121.536747 °	
DWR ID	DWR_RD0999_05_s_2019_116				
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  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	7.16	Rating **	M	Issue No.	117
LM End	7.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.399892 °	38.399892 °
				-121.536560 °	-121.536560 °
DWR ID	DWR_RD0999_05_s _ 2019_117				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.21	Rating **	M	Issue No.	118
LM End	7.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.400610 °	38.400610 °
				-121.537037 °	-121.537037 °
DWR ID	DWR_RD0999_05_s _ 2019_118				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.26	Rating **	M	Issue No.	119
LM End	7.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.401150 °	38.401150 °
				-121.537595 °	-121.537595 °
DWR ID	DWR_RD0999_05_s _ 2019_119				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	7.33	Rating **	M	Issue No.	120
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.401867 °	38.401867 °
				-121.538453 °	-121.538453 °
DWR ID	DWR_RD0999_05_s_2019_120				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.46	Rating **	M	Issue No.	137
LM End	7.46	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.403375 °	38.403375 °
				-121.539888 °	-121.539888 °
DWR ID	DWR_RD0999_05_f_2019_137				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.52	Rating **	M	Issue No.	121
LM End	7.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.403772 °	38.403772 °
				-121.540750 °	-121.540750 °
DWR ID	DWR_RD0999_05_s_2019_121				
Comment Code					
T4 : Trim trees over roadway to at least 12 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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	7.59	Rating **	A/W	Issue No.	138
LM End	8.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.404168 °	38.409867 °
				-121.541893 °	-121.539667 °
DWR ID	DWR_RD0999_05_f_2019_138				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This section contains a house on top of the levee with no access on either side of the crown. Vehicle access resumes at LM 8.13 between two trees next to a private gate.					

Photo 1 of 1 : FA\_2019\_RD0999\_236\_138\_20191017\_00169.jpg



View of levee access between trees next to a private gate at LM 8.13.

LM Start	8.37	Rating **	M	Issue No.	140
LM End	8.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.408725 °	38.408683 °
				-121.535435 °	-121.535283 °
DWR ID	DWR_RD0999_05_f_2019_140				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.60	Rating **	M	Issue No.	141
LM End	8.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.410275 °	38.410275 °
				-121.532070 °	-121.532070 °
DWR ID	DWR_RD0999_05_f_2019_141				
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	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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	<b>8.61</b>	Rating **	M	Issue No.	<b>123</b>
LM End	<b>8.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.410434 °	38.410434 °	
			-121.532050 °	-121.532050 °	
DWR ID	DWR_RD0999_05_s _ 2012_123				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>8.73</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>8.77</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.411637 °	38.411959 °	
			-121.530312 °	-121.529838 °	
DWR ID	DWR_RD0999_05_s _ 2018_89				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>8.83</b>	Rating **	M	Issue No.	<b>130</b>
LM End	<b>8.83</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.412788 °	38.412788 °	
			-121.529682 °	-121.529682 °	
DWR ID	DWR_RD0999_05_s _ 2019_130				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>133</b>
LM End	<b>9.03</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.415182°	38.415572°	
			-121.529580°	-121.529318°	
DWR ID	DWR_RD0999_05_s_2019_133				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	<b>9.13</b>	Rating **	M	Issue No.	<b>142</b>
LM End	<b>9.13</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.415937°	38.415937°	
			-121.527635°	-121.527635°	
DWR ID	DWR_RD0999_05_f_2019_142				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>9.38</b>	Rating **	M	Issue No.	<b>143</b>
LM End	<b>9.38</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.413398°	38.413398°	
			-121.524647°	-121.524647°	
DWR ID	DWR_RD0999_05_f_2019_143				
Comment Code					
T4 : Trim trees over roadway to at least 12 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. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	10/11/2019 10/11/2019	Luz Dial

LM Start	<b>9.39</b>	Rating **	A/W	Issue No.	<b>114</b>
LM End	<b>9.39</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413377°	38.413377°	
			-121.524500°	-121.524500°	
DWR ID	DWR_RD0999_05_s_2012_114				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
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