

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles
Unit No. 01 Yolo Bypass	Left	15.41

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/23/2015 - 03/23/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Webber RD 999			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	53
LM End	0.00	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				
Action/Comments					
Inspector Comments: The LMA has copy of the O & M manual on file.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	54
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		°	°	°
DWR ID	DWR_RD0999_01_s_2013_54				
Action/Comments					
Inspector Comments: The LMA has adequate floodfight supplies and equipment on hand.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	55
LM End	0.00	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				
Action/Comments					
Inspector Comments: The LMA is prepared for responding to floods and has received training.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	0.12	Rating **	M	Issue No.	1
LM End	0.39	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.503346 °	38.499389 °	
			-121.582116 °	-121.581933 °	
DWR ID	DWR_RD0999_01_s_2012_1				
Action/Comments					
Material Inspector Comments: Landfill has been in place for several years. Landowner is hauling additional material on waterward berm.					

Photo 1 of 5 : SP_2015_RD0999_232_1_20150327_00071.jpg



Looking west at new material on waterward berm.

LM Start	0.12	Rating **	M	Issue No.	1 (cont)
LM End	0.39	Issue Type +	En	Location *	WS

Photo 2 of 5 : SP_2015_RD0999_232_1_20150309_00001.jpg



Looking southwest at fill on waterside berm.

LM Start	0.12	Rating **	M	Issue No.	1 (cont)
LM End	0.39	Issue Type +	En	Location *	WS

Photo 3 of 5 : SP_2015_RD0999_232_1_20150309_00002.jpg



Looking southwest at fill on waterside berm as of 3/2014

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	0.12	Rating **	M	Issue No.	1 (cont)
LM End	0.39	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.503346 °	38.499389 °	
			-121.582116 °	-121.581933 °	
DWR ID	DWR_RD0999_01_s_2012_1				
Action/Comments					
Material Inspector Comments: Landfill has been in place for several years. Landowner is hauling additional material on waterward berm.					

Photo 4 of 5 : SP_2015_RD0999_232_1_20150309_00003.jpg



Looking west at fill on waterside berm as of 3/2014

LM Start	0.12	Rating **	M	Issue No.	1 (cont)
LM End	0.39	Issue Type +	En	Location *	WS

Photo 5 of 5 : SP_2015_RD0999_232_1_20150309_00004.jpg



Looking west at fill on waterward berm. 2013

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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	1.73	Rating **	A/W	Issue No.	4
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.480082 °	38.479788 °
				-121.580930 °	-121.580918 °
DWR ID	DWR_RD0999_01_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : SP_2015_RD0999_232_4_20150309_00006.jpg



Looking northwest at trimmed trees on waterward slope.

LM Start	1.73	Rating **	A/W	Issue No.	4 (cont)
LM End	1.75	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0999_232_4_20150309_00007.jpg



Looking southwest at trimmed trees on waterward slope.

LM Start	1.74	Rating **	U	Issue No.	9
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.480097 °	38.480097 °
				-121.580844 °	-121.580844 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39764 DS_ID:22743 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and open on WS slope. Pipe					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	1.79	Rating **	M	Issue No.	30
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.479165 °	38.475463 °
				-121.580640 °	-121.580722 °
DWR ID	DWR_RD0999_01_s_2012_30				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 5 : SP_2015_RD0999_232_30_20150327_00072.jpg



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

LM Start	1.79	Rating **	M	Issue No.	30 (cont)
LM End	2.04	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP_2015_RD0999_232_30_20150327_00073.jpg



Looking southeast at dense trees on landwater slope. (Spring 2015)

LM Start	1.79	Rating **	M	Issue No.	30 (cont)
LM End	2.04	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : SP_2015_RD0999_232_30_20150309_00030.jpg



Looking south at typical view of untrimmed trees on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	1.79	Rating **	M	Issue No.	30 (cont)
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.479165 °	38.475463 °
				-121.580640 °	-121.580722 °
DWR ID	DWR_RD0999_01_s_2012_30				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 4 of 5 : SP_2015_RD0999_232_30_20150309_00031.jpg



Looking north at several untrimmed trees on landside slope.

LM Start	1.79	Rating **	M	Issue No.	30 (cont)
LM End	2.04	Issue Type +	Ma	Location *	LS

Photo 5 of 5 : SP_2015_RD0999_232_30_20150309_00032.jpg



Looking southeast at dense trees on landside slope and toe. (2013)

LM Start	2.11	Rating **	M	Issue No.	10
LM End	2.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.474783 °	38.474783 °
				-121.580428 °	-121.580428 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16324 DS_ID:23957 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	2.13	Rating **	M	Issue No.	7
LM End	2.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.474258 °	38.474258 °	
			-121.580528 °	-121.580528 °	
DWR ID	DWR_RD0999_01_s_2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 3 : SP_2015_RD0999_232_7_20150327_00074.jpg



Looking south at untrimmed trees on waterward slope. (Spring 2015)

LM Start	2.13	Rating **	M	Issue No.	7 (cont)
LM End	2.13	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2015_RD0999_232_7_20150309_00013.jpg



Looking south at untrimmed trees on waterward slope. (Fall 2014)

LM Start	2.13	Rating **	M	Issue No.	7 (cont)
LM End	2.13	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_RD0999_232_7_20150309_00014.jpg



Looking southwest at untrimmed trees on waterside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	2.13	Rating **	M	Issue No.	31
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.474200 °	38.474200 °
				-121.580480 °	-121.580480 °
DWR ID	DWR_RD0999_01_s_2012_31				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 3 : SP_2015_RD0999_232_31_20150327_00075.jpg



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

LM Start	2.13	Rating **	M	Issue No.	31 (cont)
LM End	2.13	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_RD0999_232_31_20150309_00033.jpg



Looking southeast at untrimmed trees on landward slope. (Fall 2014)

LM Start	2.13	Rating **	M	Issue No.	31 (cont)
LM End	2.13	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2015_RD0999_232_31_20150309_00034.jpg



Looking southeast at untrimmed trees on landside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	2.18	Rating **	A/W	Issue No.	8
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.473542 °	38.473417 °	
			-121.580793 °	-121.580885 °	
DWR ID	DWR_RD0999_01_s_2012_8				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_232_8_20150309_00015.jpg



Looking southwest at trimmed trees on waterside slope. (Spring 2012)

LM Start	2.27	Rating **	C	Issue No.	47
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments				
DWR ID	DWR_RD0999_01_s_2013_47				
Action/Comments					
Garbage Inspector Comments: Garbage (sofa) on waterside toe.					

No Photos

LM Start	2.51	Rating **	M	Issue No.	40
LM End	2.51	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.469048 °	38.469048 °	
			-121.583075 °	-121.583075 °	
DWR ID	DWR_RD0999_01_s_2012_40				
Action/Comments					
Material Inspector Comments: Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.					

Photo 1 of 3 : SP_2015_RD0999_232_40_20150309_00039.jpg



Looking south at excavation with backhoe on landside shoulder.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	2.51	Rating **	M	Issue No.	40 (cont)
LM End	2.51	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.469048 °	38.469048 °	
			-121.583075 °	-121.583075 °	
DWR ID	DWR_RD0999_01_s_2012_40				
Action/Comments					
Material					
Inspector Comments: Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.					

Photo 2 of 3 : SP_2015_RD0999_232_40_20150309_00040.jpg



Looking south at close-up view of excavation on landside shoulder.

LM Start	2.51	Rating **	M	Issue No.	40 (cont)
LM End	2.51	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2015_RD0999_232_40_20150309_00041.jpg



Looking north at excavation on landside shoulder.

LM Start	2.76	Rating **	A/W	Issue No.	46
LM End	4.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.465627 °	38.435378 °	
			-121.584634 °	-121.598664 °	
DWR ID	DWR_RD0999_01_f_2013_46				
Action/Comments					
Repair depressions or ruts in the crown or slope.					
Inspector Comments: Control growth on levee crown and repair ruts on levee crown.					

Photo 1 of 3 : SP_2015_RD0999_232_46_20150309_00046.jpg



Looking north at rutting on levee crown.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	2.76	Rating **	A/W	Issue No.	46 (cont)
LM End	4.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.465627 °	38.435378 °
				-121.584634 °	-121.598664 °
DWR ID	DWR_RD0999_01_f_2013_46				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Control growth on levee crown and repair ruts on levee crown.					

Photo 2 of 3 : SP_2015_RD0999_232_46_20150309_00047.jpg



Looking south at growth and ruts on levee crown.

LM Start	2.76	Rating **	A/W	Issue No.	46 (cont)
LM End	4.98	Issue Type +	Ma	Location *	CR

Photo 3 of 3 : SP_2015_RD0999_232_46_20150309_00048.jpg



Looking south at rutting on levee crown.

LM Start	3.24	Rating **	M	Issue No.	51
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability				
DWR ID	DWR_RD0999_01_s_2013_51				
Action/Comments					
Repair slope instability. Inspector Comments: Depression on waterside shoulder and slope 60' x 20'. Earthen material appears to be sliding toward levee toe.					

Photo 1 of 2 : SP_2015_RD0999_232_51_20150309_00056.jpg



Looking north at depression on landside shoulder and slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	3.24	Rating **	M	Issue No.	51 (cont)
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			°	°
DWR ID	DWR_RD0999_01_s_2013_51				
Action/Comments					
Repair slope instability. Inspector Comments: Depression on waterside shoulder and slope 60' x 20'. Earthen material appears to be sliding toward levee toe.					



Looking northeast at depression on landside shoulder.

LM Start	3.30	Rating **	M	Issue No.	64
LM End	3.30	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.458346 °	38.458346 °
				-121.588008 °	-121.588008 °
DWR ID	DWR_RD0999_01_s_2014_64				
Action/Comments					
Tree or limb Inspector Comments: Discarded tree branches, limbs and power poles stockpile on waterward berm.					



Looking southwest at pruning on waterward berm.

LM Start	3.30	Rating **	M	Issue No.	64 (cont)
LM End	3.30	Issue Type +	En	Location *	WS



Looking west at prunings on waterward berm.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	3.31	Rating **	M	Issue No.	5
LM End	5.29	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.458197 °	38.431240 °	
			-121.588062 °	-121.600587 °	
DWR ID	DWR_RD0999_01_s_2012_5				
Action/Comments					
Crops Inspector Comments: Landowner has planted an olive grove on waterside berm several years ago without a board permit.					

Photo 1 of 3 : SP_2015_RD0999_232_5_20150309_00008.jpg



Looking northwest at olive grove on waterside berm at upstream end.

LM Start	3.31	Rating **	M	Issue No.	5 (cont)
LM End	5.29	Issue Type +	En	Location *	WS

Photo 2 of 3 : SP_2015_RD0999_232_5_20150309_00009.jpg



Looking southwest at olive grove on waterside berm at downstream end.

LM Start	3.31	Rating **	M	Issue No.	5 (cont)
LM End	5.29	Issue Type +	En	Location *	WS

Photo 3 of 3 : SP_2015_RD0999_232_5_20150309_00010.jpg



Looking west at olive grove on waterside berm.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	3.62	Rating **	M	Issue No.	6
LM End	3.64	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.454032 °	38.453680 °	
			-121.590025 °	-121.590173 °	
DWR ID	DWR_RD0999_01_s_2012_6				
Action/Comments					
Repair slope instability. Inspector Comments: District Manager (Bob Webber) indicated that the area has a history of cracking and sloughing. District plans to repair site this summer. District repaired site without notifying the Dept. No compaction results provided. Unclear how site was repaired. Need more information about repair from district. During the fall inspection					

Photo 1 of 2 : SP_2015_RD0999_232_6_20150309_00011.jpg



Looking north at sloughing on landside shoulder and slope.

LM Start	3.62	Rating **	M	Issue No.	6 (cont)
LM End	3.64	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_232_6_20150309_00012.jpg



Looking north at cracking and sloughing on landside shoulder and slope.

LM Start	4.07	Rating **	A/W	Issue No.	11
LM End	4.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.447772 °	38.447772 °	
			-121.592912 °	-121.592912 °	
DWR ID	DWR_RD0999_01_s_2012_11				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	4.31	Rating **	M	Issue No.	35 (cont)
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.444561 °	38.444561 °
				-121.594438 °	-121.594438 °
DWR ID	DWR_RD0999_01_f_2012_35				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Depression is caused by vehicle traffic.					

Photo 2 of 4 : SP_2015_RD0999_232_35_20150327_00077.jpg



Looking south at slope damage cause by vehicle traffic on landward slope. (Spring 2015)

LM Start	4.31	Rating **	M	Issue No.	35 (cont)
LM End	4.31	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP_2015_RD0999_232_35_20150309_00035.jpg



Looking north at slope damage caused by vehicle traffic.

LM Start	4.31	Rating **	M	Issue No.	35 (cont)
LM End	4.31	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2015_RD0999_232_35_20150309_00036.jpg



Looking east at slope damage on landside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

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				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Local farmer causing slope damage by driving equipment and trucks on slope.					

Photo 1 of 3 : SP_2015_RD0999_232_27_20150327_00078.jpg



Looking west at slope damage cause by vehicle traffic on waterward slope. (Spring 2015)

LM Start	4.31	Rating **	M	Issue No.	27 (cont)
LM End	4.31	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2015_RD0999_232_27_20150309_00027.jpg



Looking northwest at slope damage caused by vehicle traffic. (Fall 2014)

LM Start	4.31	Rating **	M	Issue No.	27 (cont)
LM End	4.31	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_RD0999_232_27_20150309_00026.jpg



Looking west at slope damage on waterside slope. (Spring 2014)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	4.36	Rating **	A/W	Issue No.	45
LM End	4.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		°	°	
			°	°	
DWR ID	DWR_RD0999_01_f_2013_45				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Landowner has planted cactus on waterward toe.					

Photo 1 of 1 : SP_2015_RD0999_232_45_20150309_00045.jpg



Looking west at cactus on waterward toe.

LM Start	4.57	Rating **	N	Issue No.	16
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.441063 °	38.441063 °	
			-121.596038 °	-121.596038 °	
DWR ID	DWR_RD0999_01_s_2012_16				
Action/Comments					
Tree stumps.					

No Photos

LM Start	4.59	Rating **	N	Issue No.	17
LM End	4.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.440748 °	38.440748 °	
			-121.596187 °	-121.596187 °	
DWR ID	DWR_RD0999_01_s_2012_17				
Action/Comments					
Tree stumps.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	4.83	Rating **	M	Issue No.	34
LM End	4.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.437506 °	38.437296 °
				-121.597707 °	-121.597803 °
DWR ID	DWR_RD0999_01_f_2014_34				
Action/Comments					
Inspector Comments: 2006 - Slump failure of lower slope. Longitudinal cracks present along the levee slope. 2011 - Difficult to see due to overgrown vegetation. A small section of the levee has slumped. Sties DWS 5.0 and DWS 5.01 were combined. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: DWS_5-0_L]					

No Photos

LM Start	4.84	Rating **	M	Issue No.	65
LM End	4.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.437388 °	38.437388 °
				-121.597741 °	-121.597741 °
DWR ID	DWR_RD0999_01_s_2014_65				
Action/Comments					
Repair slope instability. Inspector Comments: Slope depression on waterward near toe of levee. Depression is approx. 18' x 14' x 4' in area.					

Photo 1 of 2 : SP_2015_RD0999_232_65_20150309_00061.jpg



Looking southeast at depression on waterward toe.

LM Start	4.84	Rating **	M	Issue No.	65 (cont)
LM End	4.84	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0999_232_65_20150309_00062.jpg



Looking southwest at depression on waterward 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	5.18	Rating **	A/W	Issue No.	12
LM End	5.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.432700 °	38.431425 °	
			-121.599950 °	-121.600528 °	
DWR ID	DWR_RD0999_01_s_2012_12				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	6.02	Rating **	A/W	Issue No.	41
LM End	6.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.421228 °	38.415043 °	
			-121.605263 °	-121.608115 °	
DWR ID	DWR_RD0999_01_s_2012_41				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	6.45	Rating **	A/W	Issue No.	52
LM End	6.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments			°	°
				°	°
DWR ID	DWR_RD0999_01_s_2013_52				
Action/Comments					
Tree or limb Inspector Comments: Downed tree limbs on landside slope.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	6.53	Rating **	C	Issue No.	29
LM End	6.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.414373 °	38.414002 °
				-121.608378 °	-121.608573 °
DWR ID	DWR_RD0999_01_s_2012_29				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	6.53	Rating **	A/W	Issue No.	18
LM End	6.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.414367 °	38.413698 °
				-121.608430 °	-121.608762 °
DWR ID	DWR_RD0999_01_s_2012_18				
Action/Comments					
Prunings Inspector Comments: Large pruning piles on landward shoulder. Part of pruning pile blocking levee crown.					

Photo 1 of 2 : SP_2015_RD0999_232_18_20150309_00016.jpg



Looking south at pruning piles on landward shoulder. (Fall 2014)

Photo 2 of 2 : SP_2015_RD0999_232_18_20150309_00017.jpg



Looking northwest at large pruning piles on landward shoulder and slope. (Fall 2014)

LM Start	6.53	Rating **	A/W	Issue No.	18 (cont)
LM End	6.58	Issue Type +	Ma	Location *	LS

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	6.56	Rating **	A/W	Issue No.	42
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.413858 °	38.413858 °
				-121.608638 °	-121.608638 °
DWR ID	DWR_RD0999_01_s_2012_42				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: More than five holes within 25' of levee.					

Photo 1 of 2 : SP_2015_RD0999_232_42_20150309_00042.jpg



Looking east at rodent holes on landside slope.

LM Start	6.56	Rating **	A/W	Issue No.	42 (cont)
LM End	6.56	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_232_42_20150309_00043.jpg



Looking at typical rodent hole on landside slope.

LM Start	8.11	Rating **	M	Issue No.	22
LM End	8.88	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.392797 °	38.382338 °
				-121.618363 °	-121.623343 °
DWR ID	DWR_RD0999_01_s_2012_22				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

Photo 1 of 1 : SP_2015_RD0999_232_22_20150327_00079.jpg



Looking south at levee crown. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	8.15	Rating **	M	Issue No.	25
LM End	8.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.392255 °	38.392255 °	
			-121.618709 °	-121.618709 °	
DWR ID	DWR_RD0999_01_s_2012_25				
Action/Comments					
Material Inspector Comments: Concrete rubble on waterside berm.					



Looking west at concrete rubble on waterside berm.

LM Start	9.19	Rating **	M	Issue No.	918
LM End	9.25	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.378161 °	38.377261 °	
			-121.625181 °	-121.625619 °	
DWR ID	DWR_RD0999_01_s_2012_918				
Action/Comments					
Fence Inspector Comments: Fence along landward shoulder.					



Looking south at fence along landside shoulder.

LM Start	9.19	Rating **	M	Issue No.	918 (cont)
LM End	9.25	Issue Type +	En	Location *	LS



Looking north at fence along landside shoulder.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	9.30	Rating **	M	Issue No.	919
LM End	9.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.376669 °	38.370762 °
				-121.625896 °	-121.628640 °
DWR ID	DWR_RD0999_01_s_2012_919				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 1 of 2 : SP_2015_RD0999_232_919_20150327_00080.jpg



Looking south at levee crown. Spring 2015

LM Start	9.30	Rating **	M	Issue No.	919 (cont)
LM End	9.73	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2015_RD0999_232_919_20150309_00066.jpg



Looking south at crown roadway. Spring 2014

LM Start	9.52	Rating **	M	Issue No.	13
LM End	9.52	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.373823 °	38.373823 °
				-121.627212 °	-121.627212 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24413 DS_ID:22750 EP_NO: 13300 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	9.75	Rating **	M	Issue No.	20
LM End	9.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.370502 °	38.367903 °
				-121.628975 °	-121.630017 °
DWR ID	DWR_RD0999_01_s_2012_20				
Action/Comments					
Fence Inspector Comments: Fence at landside shoulder.					

No Photos

LM Start	9.87	Rating **	M	Issue No.	26
LM End	9.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.368898 °	38.368898 °
				-121.629470 °	-121.629470 °
DWR ID	DWR_RD0999_01_s_2012_26				
Action/Comments					
Landscaping Inspector Comments: Trees should be trimmed for visibility.					

Photo 1 of 1 : SP_2015_RD0999_232_26_20150309_00025.jpg



Looking northwest at dense trees on waterside slope.

LM Start	9.94	Rating **	M	Issue No.	920
LM End	10.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.367831 °	38.364238 °
				-121.629990 °	-121.631674 °
DWR ID	DWR_RD0999_01_s_2012_920				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 1 of 2 : SP_2015_RD0999_232_920_20150327_00081.jpg



Looking south at levee crown. (Spring 2015)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	9.94	Rating **	M	Issue No.	920 (cont)
LM End	10.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.367831 °	38.364238 °
				-121.629990 °	-121.631674 °
DWR ID	DWR_RD0999_01_s_2012_920				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 2 of 2 : SP_2015_RD0999_232_920_20150309_00067.jpg



Looking south at crown roadway. (Spring 2014)

LM Start	9.95	Rating **	M	Issue No.	2
LM End	9.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.367750 °	38.367750 °
				-121.630025 °	-121.630025 °
DWR ID	DWR_RD0999_01_s_2012_2				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several large rodent holes on landward shoulder.					

Photo 1 of 2 : SP_2015_RD0999_232_2_20150327_00082.jpg



Looking at typical rodent holes on landward shoulder. (Spring 2015)

LM Start	9.95	Rating **	M	Issue No.	2 (cont)
LM End	9.95	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_232_2_20150309_00005.jpg



Looking south at rodent hole on landside shoulder. (Fall 2014)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	10.09	Rating **	M	Issue No.	36
LM End	10.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.366030 °	38.366030 °
				-121.630811 °	-121.630811 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24414 DS_ID:22751 EP_NO: 5541 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned and should be done so					

No Photos

LM Start	10.57	Rating **	A/W	Issue No.	28
LM End	10.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.359305 °	38.359305 °
				-121.633949 °	-121.633949 °
DWR ID	DWR_RD0999_01_s_2012_28				
Action/Comments					
Garbage Inspector Comments: Large garbage and pruning piles on waterward berm.					

Photo 1 of 1 : SP_2015_RD0999_232_28_20150309_00028.jpg



Looking southwest at garbage on waterside toe and berm.

LM Start	10.75	Rating **	M	Issue No.	61
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.356844 °	38.356844 °
				-121.635101 °	-121.635101 °
DWR ID	DWR_RD0999_01_f_2014_61				
Action/Comments					
Tree or limb Inspector Comments: Downed tree on waterward slope.					

Photo 1 of 1 : SP_2015_RD0999_232_61_20150309_00058.jpg



Looking southwest at downed tree on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	10.81	Rating **	A/W	Issue No.	23
LM End	11.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.356077 °	38.352640 °
				-121.635598 °	-121.637078 °
DWR ID	DWR_RD0999_01_s_2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : SP_2015_RD0999_232_23_20150309_00022.jpg



Looking south at trimmed pine trees on waterside shoulder and slope. (Spring 2012)

LM Start	10.81	Rating **	A/W	Issue No.	23 (cont)
LM End	11.06	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0999_232_23_20150309_00023.jpg



Pine trees along waterside shoulder & slope. (Site of a old christmas tree farm). (Spring 2011)

LM Start	11.07	Rating **	M	Issue No.	67
LM End	11.07	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.352552 °	38.352552 °
				-121.637089 °	-121.637089 °
DWR ID	DWR_RD0999_01_s_2014_67				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_RD0999_232_67_20150309_00063.jpg



Looking west at pruning piles on waterward berm.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	11.30	Rating **	A/W	Issue No.	43
LM End	11.66	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.349380 °	38.344455 °
				-121.638540 °	-121.640845 °
DWR ID	DWR_RD0999_01_s_2012_43				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	11.84	Rating **	M	Issue No.	48
LM End	11.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.342068 °	38.342068 °
				-121.641944 °	-121.641944 °
DWR ID	DWR_RD0999_01_f_2012_48				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Slope damage caused by vehicle traffic.					

Photo 1 of 2 : SP_2015_RD0999_232_48_20150309_00050.jpg



Looking southwest at slope damage caused by vehicle traffic. 2013

LM Start	11.84	Rating **	M	Issue No.	48 (cont)
LM End	11.84	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0999_232_48_20150309_00051.jpg



Looking southwest at slope damage caused by vehicle traffic on waterside slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	12.53	Rating **	A/W	Issue No.	21
LM End	12.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.332288 °	38.331247 °
				-121.644640 °	-121.644765 °
DWR ID	DWR_RD0999_01_s_2012_21				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 4 : SP_2015_RD0999_232_21_20150309_00018.jpg



Looking south at graded levee crown.(Fall 2014)

LM Start	12.53	Rating **	A/W	Issue No.	21 (cont)
LM End	12.60	Issue Type +	Ma	Location *	CR

Photo 2 of 4 : SP_2015_RD0999_232_21_20150309_00019.jpg



Looking south at rutting on levee crown.

LM Start	12.53	Rating **	A/W	Issue No.	21 (cont)
LM End	12.60	Issue Type +	Ma	Location *	CR

Photo 3 of 4 : SP_2015_RD0999_232_21_20150309_00020.jpg



Looking south at rutting on levee crown.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	12.53	Rating **	A/W	Issue No.	21 (cont)
LM End	12.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.332288 °	38.331247 °
				-121.644640 °	-121.644765 °
DWR ID	DWR_RD0999_01_s_2012_21				
Action/Comments					
Repair depressions or ruts in the crown or slope.					



Looking south at rutting on levee crown. Spring 2013

LM Start	12.93	Rating **	A/W	Issue No.	24
LM End	13.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.326433 °	38.317400 °
				-121.644960 °	-121.644920 °
DWR ID	DWR_RD0999_01_s_2012_24				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	13.08	Rating **	M	Issue No.	57
LM End	13.08	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.324535 °	38.324535 °
				-121.644958 °	-121.644958 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24426 DS_ID:22754 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned in place and if so should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 12-inch pipe through levee 5.0 feet below crown. Located 4 feet downstream from a power pole on the landside. Pipe is open on the landside. Not located on the waterward side. Landside toe pipe is crushed not plated. Not found 06/2013. Located by electromagnetic detector at this location. FS Date: 06/25/2013					

No Photos

LM Start	13.36	Rating **	C	Issue No.	37
LM End	13.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.320285 °	38.320285 °
				-121.644957 °	-121.644957 °
DWR ID	DWR_RD0999_01_s_2012_37				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	13.79	Rating **	M	Issue No.	63
LM End	13.79	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.314006 °	38.314006 °	
			-121.644961 °	-121.644961 °	
DWR ID	DWR_RD0999_01_s_2015_63				
Action/Comments					
Equipment Inspector Comments: Landowner or farmer stored a land plane leveler in the middle of levee crown. The equipment is blocking access.					

Photo 1 of 1 : SP_2015_RD0999_232_63_20150327_00084.jpg



Looking south at farm equipment (land plane leveler) left on levee crown. (Spring 2015)

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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Caving, 4' x 10', on landside slope.					

Photo 1 of 3 : SP_2015_RD0999_232_49_20150327_00085.jpg



Looking east at caving on landward shoulder and slope. (Spring 2015)

LM Start	14.04	Rating **	M	Issue No.	49 (cont)
LM End	14.04	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_RD0999_232_49_20150309_00052.jpg



Looking southeast at caving on landside slope.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	14.04	Rating **	M	Issue No.	49 (cont)
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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Caving, 4' x 10', on landside slope.					

Photo 3 of 3 : SP_2015_RD0999_232_49_20150309_00053.jpg



Looking east caving on landside slope.

LM Start	14.33	Rating **	A/W	Issue No.	44
LM End	15.17	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.306113 °	38.293917 °
				-121.644942 °	-121.644958 °
DWR ID	DWR_RD0999_01_s_2012_44				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation. Inspector Comments: Control growth on levee crown.					

Photo 1 of 1 : SP_2015_RD0999_232_44_20150309_00044.jpg



Looking south at growth on levee crown.

LM Start	15.06	Rating **	C	Issue No.	32
LM End	15.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.295524 °	38.295524 °
				-121.644951 °	-121.644951 °
DWR ID	DWR_RD0999_01_s_2012_32				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	15.20	Rating **	M	Issue No.	39
LM End	15.41	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.293584 °	38.290525 °	
			-121.644979 °	-121.644902 °	
DWR ID	DWR_RD0999_01_s_2012_39				
Action/Comments					
Fence Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence. Landowner added additional fencing on landward shoulder and slope.					

Photo 1 of 3 : SP_2015_RD0999_232_39_20150327_00086.jpg



Looking east at new fencing on landward shoulder and slope. (Spring 2015)

LM Start	15.20	Rating **	M	Issue No.	39 (cont)
LM End	15.41	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2015_RD0999_232_39_20150309_00037.jpg



Looking north at fence along landside slope.

LM Start	15.20	Rating **	M	Issue No.	39 (cont)
LM End	15.41	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2015_RD0999_232_39_20150309_00038.jpg



Looking south at fence along landside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	15.27	Rating **	M	Issue No.	33
LM End	15.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.292544 °	38.292544 °	
			-121.644960 °	-121.644960 °	
DWR ID	DWR_RD0999_01_s_2012_33				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	15.30	Rating **	M	Issue No.	62
LM End	15.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.292030 °	38.292030 °	
			-121.644971 °	-121.644971 °	
DWR ID	DWR_RD0999_01_f_2014_62				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	15.33	Rating **	M	Issue No.	50
LM End	15.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.291663 °	38.291663 °	
			-121.644962 °	-121.644962 °	
DWR ID	DWR_RD0999_01_f_2012_50				
Action/Comments					
Tree or limb Inspector Comments: Newly planted palm trees on landside shoulder.					

Photo 1 of 3 : SP_2015_RD0999_232_50_20150327_00087.jpg



Looking northeast at a mature palm trees on landward shoulder and slope. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/23/2015 03/23/2015	Richard Willoughby

LM Start	15.33	Rating **	M	Issue No.	50 (cont)
LM End	15.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.291663 °	38.291663 °
				-121.644962 °	-121.644962 °
DWR ID	DWR_RD0999_01_f_2012_50				
Action/Comments					
Tree or limb Inspector Comments: Newly planted palm trees on landside shoulder.					

Photo 2 of 3 : SP_2015_RD0999_232_50_20150309_00054.jpg



Looking east at a maturing plam trees on landward shoulder and slope. (Fall 2014)

LM Start	15.33	Rating **	M	Issue No.	50 (cont)
LM End	15.33	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2015_RD0999_232_50_20150309_00055.jpg



Looking east at newly planted palm trees on landside shoulder and slope.

LM Start	15.37	Rating **	M	Issue No.	58
LM End	15.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291192 °	38.291192 °
				-121.644987 °	-121.644987 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16330 DS_ID:23970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing.					

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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway		Bank	Unit Miles
Unit No. 02 Miner Slough		Right	2.31

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/24/2015 - 03/24/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.01	Rating **	M	Issue No.	17
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290355 °	38.290472 °	
			-121.644713 °	-121.643888 °	
DWR ID	DWR_RD0999_02_s_2012_17				
Action/Comments					
Fence Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit to keep fence.					

Photo 1 of 2 : SP_2015_RD0999_233_17_20150309_00016.jpg



Looking west at fence along landside slope.

LM Start	0.01	Rating **	M	Issue No.	17 (cont)
LM End	0.06	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_233_17_20150309_00017.jpg



Looking northeast at fence along landside shoulder.

LM Start	0.16	Rating **	A/W	Issue No.	18
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290793 °	38.290793 °	
			-121.642100 °	-121.642100 °	
DWR ID	DWR_RD0999_02_s_2012_18				
Action/Comments					
Prunings					

Photo 1 of 2 : SP_2015_RD0999_233_18_20150309_00018.jpg



Looking west at prunings on landside toe. (Fall Inspection 2012)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.16	Rating **	A/W	Issue No.	18 (cont)
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290793 °	38.290793 °
				-121.642100 °	-121.642100 °
DWR ID	DWR_RD0999_02_s_2012_18				
Action/Comments					
Prunings					

Photo 2 of 2 : SP_2015_RD0999_233_18_20150309_00019.jpg



Looking west at prunings on landside berm.

LM Start	0.17	Rating **	U	Issue No.	24
LM End	0.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				
DWR ID	DWR_RD0999_02_f_2013_24				
Action/Comments					
Building Inspector Comments: Adandoned building on landward toe and berm.					

Photo 1 of 2 : SP_2015_RD0999_233_24_20150309_00026.jpg



Looking southwest at abandoned building on landward berm.

LM Start	0.17	Rating **	U	Issue No.	24 (cont)
LM End	0.17	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_233_24_20150309_00027.jpg



Looking west at abandoned building on landward berm.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.18	Rating **	A/W	Issue No.	25
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		°	°	
			°	°	
DWR ID	DWR_RD0999_02_f_2013_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.18	Rating **	A/W	Issue No.	35
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290866 °	38.290866 °	
			-121.641653 °	-121.641653 °	
DWR ID	DWR_RD0999_02_f_2014_35				
Action/Comments					
Tree or limb Inspector Comments: Discarded tree limbs on landward shoulder and slope.					

No Photos

LM Start	0.21	Rating **	U	Issue No.	1
LM End	0.21	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290859 °	38.290859 °	
			-121.641220 °	-121.641220 °	
DWR ID	DWR_RD0999_02_f_2012_1				
Action/Comments					
Building Inspector Comments: Dilapidated building at landside toe.					



Looking northwest at dilapidated building on landside toe. Spring 2013

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.21	Rating **	U	Issue No.	1 (cont)
LM End	0.21	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290859 °	38.290859 °	
			-121.641220 °	-121.641220 °	
DWR ID	DWR_RD0999_02_f_2012_1				
Action/Comments					
Building Inspector Comments: Dilapidated building at landside toe.					

Photo 2 of 2 : SP_2015_RD0999_233_1_20150309_00002.jpg



Looking northwest at dilapidated building at landside toe.

LM Start	0.23	Rating **	A/W	Issue No.	12
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.290787 °	38.290787 °	
			-121.640725 °	-121.640725 °	
DWR ID	DWR_RD0999_02_s_2012_12				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.73	Rating **	M	Issue No.	36
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.292783 °	38.292783 °	
			-121.632346 °	-121.632346 °	
DWR ID	DWR_RD0999_02_f_2014_36				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.73	Rating **	M	Issue No.	37
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.292783 °	38.292783 °	
			-121.632317 °	-121.632317 °	
DWR ID	DWR_RD0999_02_s_2014_37				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.76	Rating **	M	Issue No.	26
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.292668 °	38.292668 °	
			-121.631755 °	-121.631755 °	
DWR ID	DWR_RD0999_02_f_2013_26				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.77	Rating **	M	Issue No.	27
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees				
DWR ID	DWR_RD0999_02_s_2013_27				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.78	Rating **	M	Issue No.	4
LM End	0.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292562 °	38.292562 °
				-121.631331 °	-121.631331 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15384 DS_ID:22772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on both ends. Pumphouse has been removed. Needs to be abandoned properly. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.5 feet below crown. Abandoned pump house on the waterward slope. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

LM Start	0.82	Rating **	M	Issue No.	14
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292439 °	38.292439 °
				-121.630781 °	-121.630781 °
DWR ID	DWR_RD0999_02_f_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Century plant on landside slope.					

Photo 1 of 1 : SP_2015_RD0999_233_14_20150309_00013.jpg



Looking east at century plant at landside toe.

LM Start	0.83	Rating **	M	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				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_233_19_20150309_00020.jpg



Looking southeast at dense trees on landside slope and toe.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	13
LM End	0.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292352 °	38.292352 °
				-121.630452 °	-121.630452 °
DWR ID	DWR_RD0999_02_s_2012_13				
Action/Comments					
Tree or limb					



Looking northwest at tree limb on landside slope.

LM Start	0.93	Rating **	A/W	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				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					



Looking at several rodent holes on landside slope.

LM Start	0.93	Rating **	M	Issue No.	9
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291739 °	38.291739 °
				-121.628873 °	-121.628873 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15385 DS_ID:22773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch steel irrigation pipe through levee 4.9 feet below crown. Capped on both ends. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.96	Rating **	M	Issue No.	39
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291603 °	38.291292 °
				-121.628485 °	-121.627577 °
DWR ID	DWR_RD0999_02_f_2014_39				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.01	Rating **	M	Issue No.	30
LM End	1.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291252 °	38.291252 °
				-121.627398 °	-121.627398 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16331 DS_ID:23961 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: Gasline through the levee at an unknown depth. Markers on both shoulders. FS Date: 06/27/2013					

No Photos

LM Start	1.04	Rating **	A/W	Issue No.	20
LM End	1.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.291206 °	38.290915 °
				-121.627030 °	-121.618227 °
DWR ID	DWR_RD0999_02_f_2012_20				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.15	Rating **	M	Issue No.	40
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291069 °	38.291069 °
				-121.625138 °	-121.625138 °
DWR ID	DWR_RD0999_02_f_2014_40				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.19	Rating **	A/W	Issue No.	41
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291185 °	38.291185 °
				-121.624344 °	-121.624344 °
DWR ID	DWR_RD0999_02_f_2014_41				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense wild roses on landward slope.					

Photo 1 of 1 : SP_2015_RD0999_233_41_20150309_00031.jpg



Looking north at moderate vegetation on landward slope and toe.

LM Start	1.24	Rating **	M	Issue No.	31
LM End	1.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291379 °	38.291379 °
				-121.623285 °	-121.623285 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16333 DS_ID:23962 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 16-inch steel stormdrain through the levee 3-feet below the crown with a pump in a pumphouse on the LS toe. Siphon breaker in a 24-inch steel riser on WS. PN 17064, 1999. FS Date: 06/27/2013					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

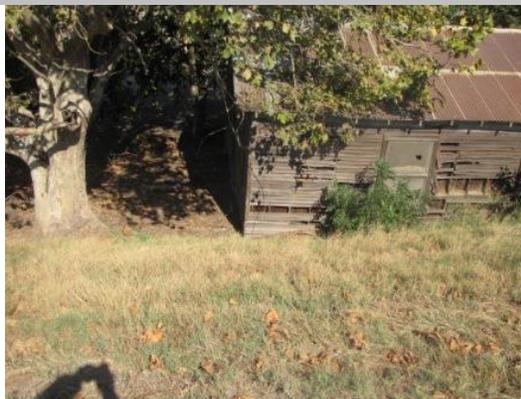
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.24	Rating **	M	Issue No.	32
LM End	1.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291381 °	38.291381 °
				-121.623268 °	-121.623268 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16334 DS_ID:23963 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for this crossing. FIELD_STRUCT_DESC: 30-inch steel stormdrain through the levee 2.5-feet below the crown with a pump in a pumphouse on the LS toe. Siphon breaker in a 24-inch steel riser on WS. Permit No. 17064, 1999 FS Date: 06/27/2013					

No Photos

LM Start	1.67	Rating **	U	Issue No.	3
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290287 °	38.290217 °
				-121.615668 °	-121.615460 °
DWR ID	DWR_RD0999_02_s_2012_3				
Action/Comments					
Building Inspector Comments: Old abandoned storage shed on landward toe and berm.					

Photo 1 of 2 : SP_2015_RD0999_233_3_20150309_00004.jpg



Looking west at building at landside toe.

LM Start	1.67	Rating **	U	Issue No.	3 (cont)
LM End	1.68	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_233_3_20150309_00005.jpg



Looking northwest at building at landside 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.68	Rating **	M	Issue No.	5
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290248 °	38.290248 °	
			-121.615560 °	-121.615560 °	
DWR ID	DWR_RD0999_02_s_2012_5				
Action/Comments					
Tree or limb					

Photo 1 of 1 : SP_2015_RD0999_233_5_20150327_00039.jpg



Looking north at tree limbs on landward shoulder and slope. (Spring 2015)

LM Start	1.68	Rating **	U	Issue No.	28
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments				
DWR ID	DWR_RD0999_02_f_2013_28				
Action/Comments					
Building Inspector Comments: Abandoned pump house on landward toe.					

Photo 1 of 1 : SP_2015_RD0999_233_28_20150309_00028.jpg



Looking northwest at abandoned pump house on landward toe.

LM Start	1.69	Rating **	U	Issue No.	10
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.290195 °	38.290195 °	
			-121.615268 °	-121.615268 °	
DWR ID	DWR_RD0999_02_s_2012_10				
Action/Comments					
Tank					

Photo 1 of 1 : SP_2015_RD0999_233_10_20150309_00010.jpg



Looking north at a tank on the landside slope and toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.70	Rating **	U	Issue No.	11
LM End	1.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.290171 °	38.290171 °	
			-121.615260 °	-121.615260 °	
DWR ID	DWR_RD0999_02_s_2012_11				
Action/Comments					
Trim trees to at least five feet above ground level.					



Looking southwest at dense trees on landward slope.

LM Start	1.71	Rating **	M	Issue No.	33
LM End	1.71	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.289967 °	38.289967 °	
			-121.614873 °	-121.614873 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15386 DS_ID:22774 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 8.3 feet below crown. 6'X11' corrugated metal Pump house and gate valve on the waterward slope. 36-inch concrete standpipe on LS toe. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

LM Start	1.72	Rating **	U	Issue No.	15
LM End	1.73	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.290026 °	38.289865 °	
			-121.614942 °	-121.614742 °	
DWR ID	DWR_RD0999_02_s_2012_15				
Action/Comments					
Landscaping					



Looking north at landscaping on landside slope.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.72	Rating **	U	Issue No.	15 (cont)
LM End	1.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290026 °	38.289865 °
				-121.614942 °	-121.614742 °
DWR ID	DWR_RD0999_02_s_2012_15				
Action/Comments					
Landscaping					



Looking southwest at dense veg. on landside toe.

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



Looking south at dense vegetation on landward shoulder and slope. (Spring 2015)

LM Start	1.73	Rating **	M	Issue No.	8 (cont)
LM End	1.76	Issue Type +	Ma	Location *	LS



Looking southwest at elderberry bush on landside shoulder and slope. (Fall 2014)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.74	Rating **	U	Issue No.	23
LM End	1.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.289755 °	38.289755 °	
			-121.614653 °	-121.614653 °	
DWR ID	DWR_RD0999_02_s_2012_23				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

LM Start	1.74	Rating **	U	Issue No.	23 (cont)
LM End	1.74	Issue Type +	Ma	Location *	LS

LM Start	1.74	Rating **	U	Issue No.	23 (cont)
LM End	1.74	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP_2015_RD0999_233_23_20150327_00041.jpg



Looking north at dense vegetation on landward slope. (Spring 2015)

Photo 2 of 3 : SP_2015_RD0999_233_23_20150309_00024.jpg



Looking southwest at dense trees on landward slope and toe.

Photo 3 of 3 : SP_2015_RD0999_233_23_20150309_00025.jpg



Looking north at dense trees on landward slope and toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.74	Rating **	A/W	Issue No.	21
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.289747 °	38.289747 °	
			-121.614587 °	-121.614587 °	
DWR ID	DWR_RD0999_02_s_2012_21				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_RD0999_233_21_20150309_00021.jpg



Looking northeast at prunings on waterside slope.

LM Start	1.77	Rating **	M	Issue No.	34
LM End	1.77	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.289357 °	38.289357 °	
			-121.614089 °	-121.614089 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41069 DS_ID:22775 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned. FIELD_STRUCT_DESC: 8-inch pipe through levee 4.0 feet below crown. Used during irrigation season with portable pump. 7'X7' concrete pumphouse sump on WS shoulder with pump mount. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

LM Start	1.78	Rating **	M	Issue No.	42
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.289399 °	38.289399 °	
			-121.614130 °	-121.614130 °	
DWR ID	DWR_RD0999_02_f_2014_42				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and wildroses blocking landward toe.					

Photo 1 of 2 : SP_2015_RD0999_233_42_20150327_00042.jpg



Looking west at wild rose blocking landward toe. (Spring 2015)

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.78	Rating **	M	Issue No.	42 (cont)
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.289399 °	38.289399 °	
			-121.614130 °	-121.614130 °	
DWR ID	DWR_RD0999_02_f_2014_42				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and wildroses blocking landward toe.					

Photo 2 of 2 : SP_2015_RD0999_233_42_20150309_00032.jpg



Looking west at elderberry and wild roses blocking view of landward toe.

LM Start	1.78	Rating **	M	Issue No.	38
LM End	1.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.289360 °	38.289006 °	
			-121.614086 °	-121.613639 °	
DWR ID	DWR_RD0999_02_s_2014_38				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 2 : SP_2015_RD0999_233_38_20150309_00029.jpg



Looking west at dense vegetation on waterside slope.

LM Start	1.78	Rating **	M	Issue No.	38 (cont)
LM End	1.82	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD0999_233_38_20150309_00030.jpg



Looking east at dense vegetation on waterside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.80	Rating **	A/W	Issue No.	6
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.289117 °	38.288718 °	
			-121.613777 °	-121.612227 °	
DWR ID	DWR_RD0999_02_s_2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild roses and berry vines at landside toe.					

LM Start	1.80	Rating **	A/W	Issue No.	6 (cont)
LM End	1.90	Issue Type +	Ma	Location *	LS

LM Start	1.80	Rating **	A/W	Issue No.	6 (cont)
LM End	1.90	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP_2015_RD0999_233_6_20150309_00006.jpg



Looking east at dense wild roses on landside toe. (Spring 2011)

Photo 2 of 3 : SP_2015_RD0999_233_6_20150309_00007.jpg



Looking southeast to wild roses on landside slope and toe. (Spring 2012)

Photo 3 of 3 : SP_2015_RD0999_233_6_20150309_00008.jpg



Looking north at wild roses on landside toe. (Spring 2011)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.81	Rating **	A/W	Issue No.	22
LM End	2.32	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.289002 °	38.286742 °	
			-121.613675 °	-121.605903 °	
DWR ID	DWR_RD0999_02_s_2012_22				
Action/Comments					
Crops Inspector Comments: Crops encroached within ten feet of the landside toe.					

Photo 1 of 2 : SP_2015_RD0999_233_22_20150309_00022.jpg



Looking west proper toe road at landward toe.(Fall 2014)

LM Start	1.81	Rating **	A/W	Issue No.	22 (cont)
LM End	2.32	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_233_22_20150309_00023.jpg



Looking west at crops encroaching on landside toe.

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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.96	Rating **	A/W	Issue No.	7
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.288700 °	38.288798 °
				-121.611105 °	-121.610050 °
DWR ID	DWR_RD0999_02_s_2012_7				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	2.06	Rating **	M	Issue No.	29
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			°	°
				°	°
DWR ID	DWR_RD0999_02_f_2013_29				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.27	Rating **	M	Issue No.	43
LM End	2.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.286666 °	38.286666 °
				-121.606803 °	-121.606803 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15703 DS_ID:22770 EP_NO: 3855 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not capped on LS and not found on WS. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Capped during winter months. 6-inch pipe sleeved through 10-inch during irrigation season (Permit No. 3855, 1962). Included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles
Unit No. 03 Sutter Slough	Right	3.74

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/24/2015 - 03/24/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.01	Rating **	M	Issue No.	39
LM End	0.01	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.286727 °	38.286727 °	
			-121.606004 °	-121.606004 °	
DWR ID	DWR_RD0999_03_s_2015_39				
Action/Comments					
Tree or limb Inspector Comments: Downed tree on waterward shoulder.					

Photo 1 of 1 : SP_2015_RD0999_234_39_20150327_00038.jpg



Looking northeast at fallen tree on waterward shoulder. (Spring 2015)

LM Start	0.04	Rating **	U	Issue No.	4
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.287025 °	38.287025 °	
			-121.605690 °	-121.605690 °	
DWR ID	DWR_RD0999_03_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Dense fig trees on landward slope and toe.					

Photo 1 of 4 : SP_2015_RD0999_234_4_20150309_00006.jpg



Looking northwest at dense fig tree on landward toe. 2014

LM Start	0.04	Rating **	U	Issue No.	4 (cont)
LM End	0.04	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP_2015_RD0999_234_4_20150309_00007.jpg



Looking northwest at dense fig tree on landward slope and toe. 2013

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.04	Rating **	U	Issue No.	4 (cont)
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.287025 °	38.287025 °
				-121.605690 °	-121.605690 °
DWR ID	DWR_RD0999_03_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Dense fig trees on landward slope and toe.					

Photo 3 of 4 : SP_2015_RD0999_234_4_20150309_00008.jpg



Looking southwest at trimmed trees on landside toe. (Spring 2012)

LM Start	0.04	Rating **	U	Issue No.	4 (cont)
LM End	0.04	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2015_RD0999_234_4_20150309_00009.jpg



Looking west at dense fig trees at landside toe.

LM Start	0.04	Rating **	A/W	Issue No.	36
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287025 °	38.287025 °
				-121.605690 °	-121.605690 °
DWR ID	DWR_RD0999_03_f_2013_36				
Action/Comments					
Prunings Inspector Comments: Prunings on waterward slope outside the twenty feet zone should be burned or removed from levee slope.					

Photo 1 of 1 : SP_2015_RD0999_234_36_20150309_00028.jpg



Looking east at prunings 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.08	Rating **	C	Issue No.	37
LM End	0.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287508 °	38.287508 °
				-121.605343 °	-121.605343 °
DWR ID	DWR_RD0999_03_f_2013_37				
Action/Comments					
Landscaping Inspector Comments: Cactus on landward slope and toe					

No Photos

LM Start	0.08	Rating **	C	Issue No.	1
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287540 °	38.287540 °
				-121.605283 °	-121.605283 °
DWR ID	DWR_RD0999_03_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.11	Rating **	M	Issue No.	9
LM End	1.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.287873 °	38.306151 °
				-121.605108 °	-121.599374 °
DWR ID	DWR_RD0999_03_f_2012_9				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 1 : SP_2015_RD0999_234_9_20150327_00039.jpg



Looking south at levee crown. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.11	Rating **	A/W	Issue No.	45
LM End	0.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287929 °	38.292129 °
				-121.605098 °	-121.604885 °
DWR ID	DWR_RD0999_03_s_2014_45				
Action/Comments					
Crops					

Photo 1 of 2 : SP_2015_RD0999_234_45_20150309_00031.jpg



Looking north at proper toe road at landward toe. Fall 2014

LM Start	0.11	Rating **	A/W	Issue No.	45 (cont)
LM End	0.41	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_234_45_20150309_00032.jpg



Looking north at crops encroaching onto landside toe.

LM Start	0.16	Rating **	M	Issue No.	5
LM End	0.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.288813 °	38.288813 °
				-121.604670 °	-121.604670 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15389 DS_ID:22776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.24	Rating **	U	Issue No.	29
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.289634 °	38.295505 °
				-121.604343 °	-121.605648 °
DWR ID	DWR_RD0999_03_f_2014_29				
Action/Comments					
Inspector Comments: 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. [2013 Site ID: STR_24-7_R]					

Photo 1 of 1 : SP_2015_RD0999_234_29_20150309_00022.jpg



USACE 2013 Photo #1

LM Start	0.45	Rating **	M	Issue No.	7
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292748 °	38.292748 °
				-121.604972 °	-121.604972 °
DWR ID	DWR_RD0999_03_s_2012_7				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP_2015_RD0999_234_7_20150309_00010.jpg



Looking south at thinned Elderberry on waterside slope.

LM Start	0.66	Rating **	M	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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP_2015_RD0999_234_8_20150309_00011.jpg



Elderberries blocking view of landside toe.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.68	Rating **	A/W	Issue No.	3
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.296022 °	38.296022 °	
			-121.605889 °	-121.605889 °	
DWR ID	DWR_RD0999_03_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.69	Rating **	A/W	Issue No.	15
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.296073 °	38.296203 °	
			-121.605872 °	-121.605837 °	
DWR ID	DWR_RD0999_03_s_2012_15				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP_2015_RD0999_234_15_20150309_00015.jpg



Looking northeast at dense elderberry on waterward slope.

LM Start	0.73	Rating **	A/W	Issue No.	17
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.296632 °	38.296632 °	
			-121.605692 °	-121.605692 °	
DWR ID	DWR_RD0999_03_s_2012_17				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.75	Rating **	A/W	Issue No.	2
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.296942 °	38.296942 °	
			-121.605528 °	-121.605528 °	
DWR ID	DWR_RD0999_03_s_2012_2				
Action/Comments					
Prunings					

Photo 1 of 2 : SP_2015_RD0999_234_2_20150309_00004.jpg



Looking west at burned prunings on landward berm.

LM Start	0.75	Rating **	A/W	Issue No.	2 (cont)
LM End	0.75	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_234_2_20150309_00005.jpg



Looking west at prunings on landward berm.

LM Start	0.93	Rating **	M	Issue No.	43
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.299130 °	38.299362 °	
			-121.603768 °	-121.603462 °	
DWR ID	DWR_RD0999_03_f_2014_43				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	0.94	Rating **	A/W	Issue No.	6
LM End	0.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299197 °	38.299197 °
				-121.603685 °	-121.603685 °
DWR ID	DWR_RD0999_03_s_2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild roses on landside slope.					

No Photos

LM Start	0.97	Rating **	M	Issue No.	30
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.299402 °	38.300542 °
				-121.603056 °	-121.601118 °
DWR ID	DWR_RD0999_03_f_2014_30				
Action/Comments					
Inspector Comments: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2013: No observed changes. [2013 Site ID: STR_25-2_R]					

Photo 1 of 1 : SP_2015_RD0999_234_30_20150309_00023.jpg



USACE 2013 Photo #1

LM Start	1.43	Rating **	M	Issue No.	33
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.305229 °	38.306667 °
				-121.599933 °	-121.598266 °
DWR ID	DWR_RD0999_03_f_2014_33				
Action/Comments					
Inspector Comments: 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. [2013 Site ID: STR_25-7_R]					

Photo 1 of 1 : SP_2015_RD0999_234_33_20150309_00025.jpg



USACE 2013 Photo #1

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	11
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306062 °	38.306062 °
				-121.599495 °	-121.599495 °
DWR ID	DWR_RD0999_03_s_2012_11				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.53	Rating **	M	Issue No.	12
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306332 °	38.306332 °
				-121.599109 °	-121.599109 °
DWR ID	DWR_RD0999_03_s_2012_12				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.57	Rating **	M	Issue No.	13
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306762 °	38.306948 °
				-121.598541 °	-121.598320 °
DWR ID	DWR_RD0999_03_s_2012_13				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_234_13_20150327_00040.jpg



Looking north at untrimmed trees on landward toe. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	1.68	Rating **	M	Issue No.	14
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.308129 °	38.308129 °	
			-121.598610 °	-121.598610 °	
DWR ID	DWR_RD0999_03_s_2012_14				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.70	Rating **	M	Issue No.	18
LM End	1.70	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.308513 °	38.308513 °	
			-121.598874 °	-121.598874 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15392 DS_ID:22779 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be verified as being done so properly. FIELD_STRUCT_DESC: *Abandoned* 5-inch pipe through levee 4.4 feet below crown. Pump and valve in pump house on the waterward slope (couldn't see landward end of pipe 2/91). 1-inch galvanized iron electric conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

LM Start	1.96	Rating **	M	Issue No.	20
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.311447 °	38.311447 °	
			-121.597358 °	-121.597358 °	
DWR ID	DWR_RD0999_03_s_2012_20				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	2.00	Rating **	M	Issue No.	21
LM End	2.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.311709 °	38.311709 °
				-121.596713 °	-121.596713 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15393 DS_ID:22780 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 7-inch pipe through levee 4.6 feet below crown. Pump and gate valve on waterward slope. Service pole on the landward slope. 1-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

LM Start	2.02	Rating **	A/W	Issue No.	46
LM End	2.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.311898 °	38.311898 °
				-121.596379 °	-121.596379 °
DWR ID	DWR_RD0999_03_s_2014_46				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.09	Rating **	A/W	Issue No.	26
LM End	2.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.312470 °	38.312470 °
				-121.595433 °	-121.595433 °
DWR ID	DWR_RD0999_03_s_2012_26				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	2.12	Rating **	M	Issue No.	24
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.312839 °	38.312839 °	
			-121.594936 °	-121.594936 °	
DWR ID	DWR_RD0999_03_s_2012_24				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.15	Rating **	A/W	Issue No.	25
LM End	2.15	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.313099 °	38.313099 °	
			-121.594568 °	-121.594568 °	
DWR ID	DWR_RD0999_03_s_2012_25				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.20	Rating **	M	Issue No.	40
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.313566 °	38.313777 °	
			-121.593910 °	-121.593608 °	
DWR ID	DWR_RD0999_03_s_2015_40				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	2.69	Rating **	M	Issue No.	32
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.319943 °	38.320670 °
				-121.590737 °	-121.590802 °
DWR ID	DWR_RD0999_03_s_2012_32				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD0999_234_32_20150327_00041.jpg



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

LM Start	2.70	Rating **	U	Issue No.	16
LM End	2.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320105 °	38.320340 °
				-121.590765 °	-121.590730 °
DWR ID	DWR_RD0999_03_s_2012_16				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP_2015_RD0999_234_16_20150309_00016.jpg



Looking south at landscaping and dense veg. on landside slope and toe.

LM Start	2.70	Rating **	U	Issue No.	16 (cont)
LM End	2.71	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_234_16_20150309_00017.jpg



Looking northwest at landscaping and dense veg. on landside slope and toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	2.71	Rating **	M	Issue No.	41
LM End	2.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.320335 °	38.320335 °	
			-121.590795 °	-121.590795 °	
DWR ID	DWR_RD0999_03_s_2015_41				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.78	Rating **	M	Issue No.	28
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.321244 °	38.323362 °	
			-121.590969 °	-121.590208 °	
DWR ID	DWR_RD0999_03_s_2012_28				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	2.87	Rating **	M	Issue No.	35
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.322457 °	38.323042 °	
			-121.590693 °	-121.590209 °	
DWR ID	DWR_RD0999_03_f_2014_35				
Action/Comments					
Inspector Comments: 2012 - Slumping of upper levee slope. 2013: No observed changes. [2013 Site ID: STR_27-1_R]					

Photo 1 of 1 : SP_2015_RD0999_234_35_20150309_00027.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	2.88	Rating **	M	Issue No.	10
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.322757 °	38.322757 °	
			-121.590817 °	-121.590817 °	
DWR ID	DWR_RD0999_03_f_2012_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild growth at landside slope and toe.					

Photo 1 of 3 : SP_2015_RD0999_234_10_20150309_00012.jpg



Looking west at trimmed trees at landward toe. (Fall 2014)

LM Start	2.88	Rating **	M	Issue No.	10 (cont)
LM End	2.88	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_RD0999_234_10_20150309_00013.jpg



Looking west at dense trees on landside toe.

LM Start	2.88	Rating **	M	Issue No.	10 (cont)
LM End	2.88	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2015_RD0999_234_10_20150309_00014.jpg



Looking northwest at dense vegetation at landside slope and toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	2.89	Rating **	M	Issue No.	23
LM End	2.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322652 °	38.322652 °
				-121.590841 °	-121.590841 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15406 DS_ID:22782 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe is abandoned and should be done so					

No Photos

LM Start	3.01	Rating **	M	Issue No.	31
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.323770 °	38.326061 °
				-121.589035 °	-121.586028 °
DWR ID	DWR_RD0999_03_s_2012_31				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_234_31_20150309_00024.jpg



Looking north at trimmed trees on landward slope.

LM Start	3.05	Rating **	M	Issue No.	47
LM End	3.22	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.323667 °	38.325592 °
				-121.588226 °	-121.585925 °
DWR ID	DWR_RD0999_03_f_2014_47				
Action/Comments					
Inspector Comments: 2011 - Multiple erosion pockets. Some likely from tree popouts. 2013: Tall vertical sections. [2013 Site ID: STR_27-3_R]					

Photo 1 of 1 : SP_2015_RD0999_234_47_20150309_00033.jpg



USACE 2013 Photo #1

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	3.13	Rating **	M	Issue No.	42
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.324510 °	38.324510 °	
			-121.587015 °	-121.587015 °	
DWR ID	DWR_RD0999_03_s_2015_42				
Action/Comments					
Prunings Inspector Comments: Prunings on landward shoulder.					

No Photos

LM Start	3.16	Rating **	C	Issue No.	38
LM End	3.16	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments				
DWR ID	DWR_RD0999_03_f_2013_38				
Action/Comments					
Tree or limb Inspector Comments: Broken tree limb on landward slope.					

No Photos

LM Start	3.21	Rating **	A/W	Issue No.	19
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.325534 °	38.325534 °	
			-121.586273 °	-121.586273 °	
DWR ID	DWR_RD0999_03_s_2012_19				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2015 03/24/2015	Richard Willoughby

LM Start	3.60	Rating **	M	Issue No.	44
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.330946 °	38.331415 °	
			-121.585932 °	-121.585534 °	
DWR ID	DWR_RD0999_03_s_2015_44				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove trees under an inch in diameter. Don't allow young trees to get establish on levee slope.					



LM Start	3.70	Rating **	M	Issue No.	22
LM End	3.74	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.332017 °	38.332543 °	
			-121.584807 °	-121.584602 °	
DWR ID	DWR_RD0999_03_s_2012_22				
Action/Comments					
Landscaping					



LM Start	3.70	Rating **	M	Issue No.	22 (cont)
LM End	3.74	Issue Type +	En	Location *	LS



* 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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles
Unit No. 04 Sacramento River	Right	1.22

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/26/2015 - 03/26/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	8
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.414387 °	38.417692 °
				-121.522871 °	-121.525083 °
DWR ID	DWR_RD0999_04_f_2014_8				
Action/Comments					
Inspector Comments: 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. 2013: No observed changes. [2013 Site ID: SAC_41-9_R]					

Photo 1 of 1 : SP_2015_RD0999_235_8_20150309_00006.jpg



USACE 2013 Photo #1

LM Start	0.03	Rating **	A/W	Issue No.	35
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.414450 °	38.414450 °
				-121.523308 °	-121.523308 °
DWR ID	DWR_RD0999_04_f_2014_35				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.05	Rating **	M	Issue No.	15
LM End	0.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.414642 °	38.414642 °
				-121.523430 °	-121.523430 °
DWR ID	DWR_RD0999_04_s_2012_15				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.05	Rating **	M	Issue No.	13
LM End	0.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.414672 °	38.415468 °
				-121.523527 °	-121.524037 °
DWR ID	DWR_RD0999_04_s_2012_13				
Action/Comments					
Fence					

Photo 1 of 1 : SP_2015_RD0999_235_13_20150309_00012.jpg



Cyclone fence along landside shoulder at LM 0.05 -0.11

LM Start	0.07	Rating **	M	Issue No.	23
LM End	0.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.414881 °	38.414881 °
				-121.523682 °	-121.523682 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15709 DS_ID:22789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch pipe through levee 4.5 feet below crown. Concrete blocks for missing Pump and pressure system visible on WS slope. 8-inch steel standpipe on WS toe with remnants of 2-inch pipe visible at top. Pipe visible at concrete foundation on LS shoulder. Originally included in the 1966 O&M manual. FS Date: 07/12/2013					

No Photos

LM Start	0.14	Rating **	A/W	Issue No.	4
LM End	0.14	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415843 °	38.415843 °
				-121.524163 °	-121.524163 °
DWR ID	DWR_RD0999_04_s_2012_4				
Action/Comments					
Prunings					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.19	Rating **	M	Issue No.	24
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.416518 °	38.417519 °	
			-121.524502 °	-121.525368 °	
DWR ID	DWR_RD0999_04_s_2012_24				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.28	Rating **	M	Issue No.	20
LM End	0.30	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation				
DWR ID	DWR_RD0999_04_f_2013_20				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0999_235_20_20150309_00015.jpg



Looking west at dense landscaping on landward slope.

LM Start	0.29	Rating **	M	Issue No.	36
LM End	0.29	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.417809 °	38.417809 °	
			-121.525488 °	-121.525488 °	
DWR ID	DWR_RD0999_04_f_2014_36				
Action/Comments					
Building Inspector Comments: Landowner built patio stucture next to mobile diner on waterward shoulder area without Board permit.					

Photo 1 of 2 : SP_2015_RD0999_235_36_20150309_00018.jpg



Looking north at patio structure on waterward shoulder.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.29	Rating **	M	Issue No.	36 (cont)
LM End	0.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.417809 °	38.417809 °
				-121.525488 °	-121.525488 °
DWR ID	DWR_RD0999_04_f_2014_36				
Action/Comments					
Building Inspector Comments: Landowner built patio stucture next to mobile diner on waterward shoulder area without Board permit.					

Photo 2 of 2 : SP_2015_RD0999_235_36_20150309_00019.jpg



Looking northeast at patio structure on waterward shoulder.

LM Start	0.31	Rating **	U	Issue No.	12
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.418002 °	38.418470 °
				-121.525712 °	-121.526002 °
DWR ID	DWR_RD0999_04_s_2012_12				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP_2015_RD0999_235_12_20150309_00010.jpg



Looking west at dense veg. on landside slope and toe.

LM Start	0.31	Rating **	U	Issue No.	12 (cont)
LM End	0.35	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_235_12_20150309_00011.jpg



Looking northwest at dense veg. on landside shoulder and slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.38	Rating **	U	Issue No.	11
LM End	0.49	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.418838 °	38.420237 °	
			-121.526225 °	-121.527193 °	
DWR ID	DWR_RD0999_04_s_2012_11				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP_2015_RD0999_235_11_20150327_00026.jpg



Looking northwest at dense landscaping on landward slope. (Spring 2015)

LM Start	0.38	Rating **	U	Issue No.	11 (cont)
LM End	0.49	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_235_11_20150309_00009.jpg



Looking west at century plants on landside shoulder and slope.

LM Start	0.38	Rating **	M	Issue No.	10
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.418838 °	38.420447 °	
			-121.526225 °	-121.527380 °	
DWR ID	DWR_RD0999_04_s_2012_10				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : SP_2015_RD0999_235_10_20150309_00007.jpg



Looking northwest at dense trees on landside slope and toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.38	Rating **	M	Issue No.	10 (cont)
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.418838 °	38.420447 °
				-121.526225 °	-121.527380 °
DWR ID	DWR_RD0999_04_s_2012_10				
Action/Comments					
Trim trees to at least five feet above ground level.					



Looking west at dense trees on waterside slope.

LM Start	0.40	Rating **	M	Issue No.	1
LM End	0.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.419137 °	38.420078 °
				-121.526280 °	-121.526913 °
DWR ID	DWR_RD0999_04_s_2012_1				
Action/Comments					
Landscaping					



Looking north at rose bushes on waterside slope.

LM Start	0.53	Rating **	M	Issue No.	37
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.420791 °	38.420791 °
				-121.527553 °	-121.527553 °
DWR ID	DWR_RD0999_04_s_2015_37				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.60	Rating **	A/W	Issue No.	21
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		°	°	
			°	°	
DWR ID	DWR_RD0999_04_f_2013_21				
Action/Comments					
Tree or limb Inspector Comments: Downed tree on landward toe and berm.					

Photo 1 of 1 : SP_2015_RD0999_235_21_20150309_00016.jpg



Looking west at dead tree on landward toe and berm.

LM Start	0.63	Rating **	N	Issue No.	19
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.421997 °	38.421997 °	
			-121.528470 °	-121.528470 °	
DWR ID	DWR_RD0999_04_s_2012_19				
Action/Comments					
Tree stumps.					

No Photos

LM Start	0.66	Rating **	N	Issue No.	18
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.422377 °	38.422377 °	
			-121.528792 °	-121.528792 °	
DWR ID	DWR_RD0999_04_s_2012_18				
Action/Comments					
Tree stumps.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.67	Rating **	A/W	Issue No.	7
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.422517 °	38.423133 °
				-121.528858 °	-121.529210 °
DWR ID	DWR_RD0999_04_s_2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.71	Rating **	A/W	Issue No.	6
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.423035 °	38.425140 °
				-121.529255 °	-121.530742 °
DWR ID	DWR_RD0999_04_s_2012_6				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 2 : SP_2015_RD0999_235_6_20150309_00004.jpg



Looking north at trimmed trees and removed fence on landside slope.

LM Start	0.71	Rating **	A/W	Issue No.	6 (cont)
LM End	0.87	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_235_6_20150309_00005.jpg



Looking south at trimmed trees on landside slope and removed fence.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.71	Rating **	M	Issue No.	25
LM End	0.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423062 °	38.423062 °
				-121.529241 °	-121.529241 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15712 DS_ID:22791 EP_NO: 3973 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate broken on LS toe. Appears it may be					

No Photos

LM Start	0.74	Rating **	M	Issue No.	26
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423418 °	38.423418 °
				-121.529486 °	-121.529486 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15725 DS_ID:22796 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 3: 3.5-inch discharge pipe through the levee 3.8 feet below the crown. Siphon breaker at headwall on the waterward slope. (Permit No. 10514, 1974) FS Date: 07/12/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	27
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423429 °	38.423429 °
				-121.529491 °	-121.529491 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41070 DS_ID:22811 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe and if abandoned, it should be done so properly. FIELD_STRUCT_DESC: 2 of 3: 4.5-inch galvanized iron irrigation pipe through the levee 3.0 feet below the crown. Slant pump, steel walkway, and steel vent pipe on the waterward slope. Pipe has shutoff valve off LS toe (Permit No. 10514, 1974). FS Date: 07/12/2013					

No Photos

LM Start	0.74	Rating **	M	Issue No.	28
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423418 °	38.423418 °
				-121.529486 °	-121.529486 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41535 DS_ID:22795 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipes appear abandoned and should be checked usage or abandoned properly. FIELD_STRUCT_DESC: 3.5-inch galvanized iron electrical conduit through the levee 3.8-feet below the crown. Concrete headwall and pad on WS slope. Pipe open on WS. FS Date: 07/12/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	29
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423429 °	38.423429 °
				-121.529491 °	-121.529491 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41556 DS_ID:22794 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel conduit through the levee 3.8 feet below the crown. 4.5-inch galvanized iron pipe sleeved through conduit with annular space grouted. Originally included in the 1966 O&M manual. FS Date: 07/12/2013					

No Photos

LM Start	0.75	Rating **	N	Issue No.	17
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.423560 °	38.423560 °
				-121.529653 °	-121.529653 °
DWR ID	DWR_RD0999_04_s_2012_17				
Action/Comments					
Tree stumps.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.81	Rating **	M	Issue No.	30
LM End	0.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.424399 °	38.424399 °
				-121.530178 °	-121.530178 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16389 DS_ID:22797 EP_NO: 1624 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 3.0 feet below the crown. Pump and pile structure removed from waterside toe. Steel plate welded over WS end (Permit No. 1624, 1959). Replaces an existing facility north of this location. FS Date: 07/12/2013					

No Photos

LM Start	0.82	Rating **	N	Issue No.	14
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.424432 °	38.424432 °
				-121.530265 °	-121.530265 °
DWR ID	DWR_RD0999_04_s_2012_14				
Action/Comments					
Tree stumps.					

No Photos

LM Start	0.84	Rating **	N	Issue No.	9
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.424722 °	38.424722 °
				-121.530470 °	-121.530470 °
DWR ID	DWR_RD0999_04_s_2012_9				
Action/Comments					
Tree stumps.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	31
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15733 DS_ID:22808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 4 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulder. FS Date: 07/12/2013					

No Photos

LM Start	0.90	Rating **	M	Issue No.	32
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16384 DS_ID:22807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 3 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulders. FS Date: 07/12/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	33
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16385 DS_ID:22809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 5 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Visible in concrete well on LS shoulder. FS Date: 07/12/2013					

No Photos

LM Start	0.90	Rating **	M	Issue No.	34
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16386 DS_ID:22810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder. FS Date: 07/12/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	38
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15727 DS_ID:22799 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipes abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipes visible in concrete well on LS shoulder. Concrete well on WS shoulder is visible, but access is covered with soil. FS Date: 07/12/2013					

No Photos

LM Start	0.90	Rating **	M	Issue No.	39
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15728 DS_ID:22806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 2 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder and likely in covered concrete well on WS shoulder. FS Date: 07/12/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	0.91	Rating **	A/W	Issue No.	2
LM End	0.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.425607 °	38.425607 °
				-121.530937 °	-121.530937 °
DWR ID	DWR_RD0999_04_s_2012_2				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.94	Rating **	A/W	Issue No.	3
LM End	0.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.425972 °	38.426500 °
				-121.531228 °	-121.531560 °
DWR ID	DWR_RD0999_04_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	1.04	Rating **	A/W	Issue No.	16 (cont)
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.427295 °	38.427295 °	
			-121.532164 °	-121.532164 °	
DWR ID	DWR_RD0999_04_f_2012_16				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Blackberries blocking view of landward toe.					

Photo 2 of 2 : SP_2015_RD0999_235_16_20150309_00014.jpg



Looking south at dense berryvines on landside toe. 2012

LM Start	1.15	Rating **	M	Issue No.	5
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.428823 °	38.428823 °	
			-121.532885 °	-121.532885 °	
DWR ID	DWR_RD0999_04_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry vines and wild roses on landside toe.					

Photo 1 of 2 : SP_2015_RD0999_235_5_20150309_00002.jpg



Looking north at dense vegetation on landside slope near ramp.

LM Start	1.15	Rating **	M	Issue No.	5 (cont)
LM End	1.15	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_235_5_20150309_00003.jpg



Looking northwest at dense wild roses and berry vines on landside toe near ramp.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/26/2015 03/26/2015	Richard Willoughby

LM Start	1.20	Rating **	M	Issue No.	22
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Trim / Thin Trees		o		o
DWR ID	DWR_RD0999_04_f_2013_22				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_235_22_20150309_00017.jpg



Looking south at dense trees on landward slope.

* 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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway		Bank	Unit Miles
Unit No. 05 Elk Slough		Right	9.48

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/24/2015 - 03/26/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	94
LM End	9.48	Issue Type +	Ob	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.332643 °	38.414157 °
				-121.584449 °	-121.523156 °
DWR ID	DWR_RD0999_05_f_2014_94				
Action/Comments					
Inspector Comments: 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. [2013 Site ID: ELK_0-2_R]					

No Photos

LM Start	0.04	Rating **	M	Issue No.	4
LM End	0.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.332875 °	38.332875 °
				-121.584529 °	-121.584529 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24439 DS_ID:22838 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 7.7 feet below crown (burned down pump house and valve closed) Service pole on the waterward slope (Unable to locate concrete distribution box 3/91). Originally included in the 1966 O&M manual. Located electromagnetically at this location. FS Date: 06/27/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.05	Rating **	M	Issue No.	178
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.333308 °	38.333308 °
				-121.584494 °	-121.584494 °
DWR ID	DWR_RD0999_05_s_2015_178				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove trees under an inch in diameter on landward slope. Don't allow young trees to get establish.					

Photo 1 of 1 : SP_2015_RD0999_236_178_20150327_00141.jpg



Looking at typical view of young oak trees on landward slope. (Spring 2015)

LM Start	0.10	Rating **	A/W	Issue No.	72
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				
DWR ID	DWR_RD0999_05_f_2013_72				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove small oak trees from landward slope before trees are establish.					

Photo 1 of 1 : SP_2015_RD0999_236_72_20150309_00054.jpg



Looking west at small oak trees on landward slope.

LM Start	0.20	Rating **	M	Issue No.	179
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.335430 °	38.335881 °
				-121.583888 °	-121.583598 °
DWR ID	DWR_RD0999_05_s_2015_179				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	5
LM End	0.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.335568 °	38.335568 °
				-121.583780 °	-121.583780 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:15411 DS_ID:22839 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Walkway to pump on pier is falling appart and should be removed. FIELD_STRUCT_DESC: 12-inch pipe through levee 11.0 feet below crown. 10-inch pipe visible on slopes and at Slant pump on waterward slope (Pump on structure removed). Additional slant pump on WS slope ties into pipe at WS. 30-inch steel standpipe on LS toe. Butterfly valves located on both sides of levee. 3'X3' steel junction box on WS shoulder and a 31"X60" steel junction box on LS shoulder. Service pole on both slopes. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

LM Start	0.25	Rating **	A/W	Issue No.	1
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.336113 °	38.336663 °
				-121.583418 °	-121.583027 °
DWR ID	DWR_RD0999_05_s_2012_1				

No Photos

Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.37	Rating **	M	Issue No.	8
LM End	0.45	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.337654 °	38.338790 °	
			-121.582427 °	-121.582184 °	
DWR ID	DWR_RD0999_05_s_2012_8				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					



Looking north at dense vegetation on landside slope and toe.

LM Start	0.37	Rating **	M	Issue No.	3
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.337697 °	38.337963 °	
			-121.582420 °	-121.582352 °	
DWR ID	DWR_RD0999_05_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.37	Rating **	M	Issue No.	53
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.337753 °	38.337753 °	
			-121.582445 °	-121.582445 °	
DWR ID	DWR_RD0999_05_s_2012_53				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.40	Rating **	M	Issue No.	25
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.338075 °	38.338688 °
				-121.582322 °	-121.582193 °
DWR ID	DWR_RD0999_05_s_2012_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Elderberries within vegetation area.					

Photo 1 of 4 : SP_2015_RD0999_236_25_20150309_00019.jpg



Looking northwest at dense vegetation on landside slope and toe.

Photo 2 of 4 : SP_2015_RD0999_236_25_20150309_00020.jpg



Looking southwest at vegetation on landside slope and toe. (Fall 2012)

Photo 3 of 4 : SP_2015_RD0999_236_25_20150309_00021.jpg



Looking northwest at vegetation on landside shoulder. (Fall 2012)

LM Start	0.40	Rating **	M	Issue No.	25 (cont)
LM End	0.44	Issue Type +	Ma	Location *	LS

LM Start	0.40	Rating **	M	Issue No.	25 (cont)
LM End	0.44	Issue Type +	Ma	Location *	LS

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.40	Rating **	M	Issue No.	25 (cont)
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.338075 °	38.338688 °
				-121.582322 °	-121.582193 °
DWR ID	DWR_RD0999_05_s_2012_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Elderberries within vegetation area.					

Photo 4 of 4 : SP_2015_RD0999_236_25_20150309_00022.jpg



Looking southwest at dense berry vines on landside toe.

LM Start	0.44	Rating **	A/W	Issue No.	26
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.338647 °	38.338868 °
				-121.582217 °	-121.582163 °
DWR ID	DWR_RD0999_05_s_2012_26				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_RD0999_236_26_20150309_00023.jpg



Looking northeast at prunings on waterside slope.

LM Start	0.50	Rating **	M	Issue No.	135
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				
DWR ID	DWR_RD0999_05_f_2013_135				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.53	Rating **	M	Issue No.	6
LM End	0.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.339607 °	38.339607 °
				-121.582091 °	-121.582091 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15413 DS_ID:22840 EP_NO: 6081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement along LS and WS slopes. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel pipe through levee 3.3 feet below crown. Pump and butterfly valve in pump house on waterward slope. Vent in 10-inch steel standpipe on LS slope (Permit No. 6081,1968). Replaces an existing 10-inch pipe. FS Date: 06/27/2013					

No Photos

LM Start	0.54	Rating **	M	Issue No.	7
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340070 °	38.340623 °
				-121.581980 °	-121.581872 °
DWR ID	DWR_RD0999_05_s_2012_7				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.54	Rating **	M	Issue No.	27
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340124 °	38.340560 °
				-121.582039 °	-121.581905 °
DWR ID	DWR_RD0999_05_s_2012_27				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.59	Rating **	M	Issue No.	98
LM End	0.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340775 °	38.341025 °
				-121.581803 °	-121.581665 °
DWR ID	DWR_RD0999_05_s_2012_98				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.61	Rating **	M	Issue No.	30
LM End	0.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.340651 °	38.340651 °
				-121.581861 °	-121.581861 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15414 DS_ID:22841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 16-inch pipe through levee 6.0 feet below crown. Concrete pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

LM Start	0.68	Rating **	A/W	Issue No.	189
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342032 °	38.342032 °
				-121.581372 °	-121.581372 °
DWR ID	DWR_RD0999_05_f_2014_189				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense wild grapevines on landward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_189_20150309_00103.jpg



Looking northwest at dense vegetation on landward slope.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.69	Rating **	A/W	Issue No.	9
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.342180 °	38.342537 °	
			-121.581230 °	-121.581263 °	
DWR ID	DWR_RD0999_05_s_2012_9				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: District or landowner trimmed trees to comply with standards.					

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS

Photo 1 of 6 : SP_2015_RD0999_236_9_20150327_00142.jpg



Looking northwest at landward slope. (Spring 2015)

Photo 2 of 6 : SP_2015_RD0999_236_9_20150327_00143.jpg



Looking south at landward slope. (Spring 2015)

Photo 3 of 6 : SP_2015_RD0999_236_9_20150309_00005.jpg



Looking northwest at dense trees at landside slope and toe. (Spring 2013)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.342180 °	38.342537 °	
			-121.581230 °	-121.581263 °	
DWR ID	DWR_RD0999_05_s_2012_9				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: District or landowner trimmed trees to comply with standards.					

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS

LM Start	0.69	Rating **	A/W	Issue No.	9 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS

Photo 4 of 6 : SP_2015_RD0999_236_9_20150309_00006.jpg



Looking west at trimmed trees on landside slope. (Spring 2012)

Photo 5 of 6 : SP_2015_RD0999_236_9_20150309_00007.jpg



Looking west at dense trees on landside slope and toe. (Spring 2011)

Photo 6 of 6 : SP_2015_RD0999_236_9_20150309_00004.jpg



Front view of dense trees at landside shoulder. (Spring 2011)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.75	Rating **	A/W	Issue No.	10
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343058 °	38.345210 °
				-121.581263 °	-121.580713 °
DWR ID	DWR_RD0999_05_s_2012_10				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.75	Rating **	M	Issue No.	79
LM End	0.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.342653 °	38.342653 °
				-121.581236 °	-121.581236 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15450 DS_ID:22842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 6-inch pipe through levee 11.5 feet below crown. Pump and gate valve in pump house on the waterward slope. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

LM Start	0.77	Rating **	U	Issue No.	23
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.343358 °	38.343358 °
				-121.581295 °	-121.581295 °
DWR ID	DWR_RD0999_05_f_2012_23				
Action/Comments					
Building Inspector Comments: Storage shed at landside toe and within the 10' easement.					

Photo 1 of 2 : SP_2015_RD0999_236_23_20150327_00144.jpg



Looking northwest at abandoned storage shed at landward toe. (Spring 2015)

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.77	Rating **	U	Issue No.	23 (cont)
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.343358 °	38.343358 °
				-121.581295 °	-121.581295 °
DWR ID	DWR_RD0999_05_f_2012_23				
Action/Comments					
Building Inspector Comments: Storage shed at landside toe and within the 10' easement.					

Photo 2 of 2 : SP_2015_RD0999_236_23_20150309_00018.jpg



Looking northwest at storage shed at landside toe and within the 10' easement.

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

Photo 1 of 2 : SP_2015_RD0999_236_128_20150327_00145.jpg



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

LM Start	0.78	Rating **	M	Issue No.	128 (cont)
LM End	0.78	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_236_128_20150309_00076.jpg



Looking at dense trees on landside slope and toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.79	Rating **	U	Issue No.	190
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343606 °	38.343606 °
				-121.581279 °	-121.581279 °
DWR ID	DWR_RD0999_05_f_2014_190				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_236_190_20150309_00104.jpg



Looking west at dense vegetation on landward slope and toe.

LM Start	0.80	Rating **	U	Issue No.	11
LM End	0.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343825 °	38.345215 °
				-121.581133 °	-121.580728 °
DWR ID	DWR_RD0999_05_s_2012_11				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP_2015_RD0999_236_11_20150309_00008.jpg



View of landscaping (Ivy) looking upstream.

LM Start	0.80	Rating **	U	Issue No.	11 (cont)
LM End	0.90	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_236_11_20150309_00009.jpg



View of landscaping (Ivy) blocking view of landside slope from.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	0.91	Rating **	A/W	Issue No.	13
LM End	1.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.345402 °	38.347133 °
				-121.580655 °	-121.579573 °
DWR ID	DWR_RD0999_05_s_2012_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.93	Rating **	M	Issue No.	197
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.345564 °	38.345844 °
				-121.580614 °	-121.580458 °
DWR ID	DWR_RD0999_05_f_2014_197				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.99	Rating **	M	Issue No.	136
LM End	1.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			°	°
				°	°
DWR ID	DWR_RD0999_05_f_2013_136				
Action/Comments					
Fence Inspector Comments: Fencing on landward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_136_20150309_00082.jpg



Looking northwest at fence on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.00	Rating **	M	Issue No.	180
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.346477 °	38.346864 °
				-121.580086 °	-121.579864 °
DWR ID	DWR_RD0999_05_s_2015_180				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

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			°	°
				°	°
DWR ID	DWR_RD0999_05_f_2013_146				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	1.07	Rating **	M	Issue No.	14
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.347427 °	38.347863 °
				-121.579395 °	-121.579113 °
DWR ID	DWR_RD0999_05_s_2012_14				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD0999_236_14_20150309_00010.jpg



Looking west at dense trees on landside slope and toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.15	Rating **	M	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				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD0999_236_15_20150327_00146.jpg



Looking north at untrimmed trees on landward slope and toe. (Spring 2015)

LM Start	1.17	Rating **	M	Issue No.	95
LM End	1.17	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.348113 °	38.348113 °	
			-121.578841 °	-121.578841 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16336 DS_ID:23964 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be removed. FIELD_STRUCT_DESC: *Abandoned*10-inch steel irrigation pipe through levee 6.5-feet below crown. Pipe extends under metal walkway on WS shoulder. FS Date: 06/27/2013					

No Photos

LM Start	1.17	Rating **	C	Issue No.	137
LM End	1.17	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments				
DWR ID	DWR_RD0999_05_s_2013_137				
Action/Comments					
Building Inspector Comments: Building is next to 10-inch pipe and pump station on waterside of levee. Building is not permitted.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.19	Rating **	M	Issue No.	147
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			°	°
				°	°
DWR ID	DWR_RD0999_05_f_2013_147				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.20	Rating **	M	Issue No.	76
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348336 °	38.348332 °
				-121.577621 °	-121.577172 °
DWR ID	DWR_RD0999_05_s_2012_76				
Action/Comments					
Fence Inspector Comments: Fence is located on landside shoulder.					

Photo 1 of 1 : SP_2015_RD0999_236_76_20150309_00056.jpg



Looking north at fence along landside slope.

LM Start	1.30	Rating **	M	Issue No.	2
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348267 °	38.348188 °
				-121.575802 °	-121.574690 °
DWR ID	DWR_RD0999_05_s_2012_2				
Action/Comments					
Landscaping Inspector Comments: Control landscaping on landward slope. Landowner has trimmed landscaping. But has not removed century plant on landward shoulder.					

Photo 1 of 3 : SP_2015_RD0999_236_2_20150327_00147.jpg



Looking south at landward slope. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.30	Rating **	M	Issue No.	2 (cont)
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.348267 °	38.348188 °	
			-121.575802 °	-121.574690 °	
DWR ID	DWR_RD0999_05_s_2012_2				
Action/Comments					
Landscaping Inspector Comments: Control landscaping on landward slope. Landowner has trimmed landscaping. But has not removed century plant on landward shoulder.					

Photo 2 of 3 : SP_2015_RD0999_236_2_20150309_00002.jpg



Looking northwest at landscaping on landward slope.

LM Start	1.30	Rating **	M	Issue No.	2 (cont)
LM End	1.36	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2015_RD0999_236_2_20150309_00001.jpg



Looking south at landscaping on landward slope.

LM Start	1.30	Rating **	A/W	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				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.38	Rating **	M	Issue No.	198
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348133 °	38.348133 °
				-121.574319 °	-121.574319 °
DWR ID	DWR_RD0999_05_f_2014_198				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.38	Rating **	M	Issue No.	149
LM End	1.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				
DWR ID	DWR_RD0999_05_f_2013_149				
Action/Comments					
Landscaping Inspector Comments: Large cactus plants on landward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_149_20150309_00090.jpg



Looking northwest at several cactus plants on landward slope.

LM Start	1.39	Rating **	M	Issue No.	129
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348100 °	38.348100 °
				-121.574075 °	-121.574075 °
DWR ID	DWR_RD0999_05_s_2012_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry vines and century plants on landside toe and slope.					

Photo 1 of 2 : SP_2015_RD0999_236_129_20150309_00077.jpg



Looking southwest at berry vines on landward slope.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	129 (cont)
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348100 °	38.348100 °
				-121.574075 °	-121.574075 °
DWR ID	DWR_RD0999_05_s_2012_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry vines and century plants on landside toe and slope.					

Photo 2 of 2 : SP_2015_RD0999_236_129_20150309_00078.jpg



Looking west at century plants on landward slope.

LM Start	1.46	Rating **	M	Issue No.	18
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348670 °	38.353852 °
				-121.573320 °	-121.573570 °
DWR ID	DWR_RD0999_05_s_2012_18				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 2 : SP_2015_RD0999_236_18_20150309_00015.jpg



Side view of dense trees along waterside slope.

LM Start	1.46	Rating **	M	Issue No.	18 (cont)
LM End	1.83	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_236_18_20150309_00016.jpg



Front view of dense trees along waterside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.70	Rating **	A/W	Issue No.	21
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.352088 °	38.352968 °
				-121.574052 °	-121.574008 °
DWR ID	DWR_RD0999_05_s_2012_21				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.80	Rating **	C	Issue No.	200
LM End	1.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.353507 °	38.353507 °
				-121.573830 °	-121.573830 °
DWR ID	DWR_RD0999_05_f_2014_200				
Action/Comments					
Garbage Inspector Comments: Sofa on waterward slope.					

No Photos

LM Start	1.88	Rating **	M	Issue No.	113
LM End	1.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.353864 °	38.353864 °
				-121.573577 °	-121.573577 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15421 DS_ID:22847 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.7 feet below crown. Pump house on the waterward slope. Both ends open. Originally included in the 1966 O&M manual. FS Date: 06/27/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	1.92	Rating **	C	Issue No.	22
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.354888 °	38.354888 °
				-121.572540 °	-121.572540 °
DWR ID	DWR_RD0999_05_s_2012_22				
Action/Comments					
Material Inspector Comments: Concrete rubble should be removed or broken up and spread out at waterward toe.					

No Photos

LM Start	1.97	Rating **	C	Issue No.	150
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				
DWR ID	DWR_RD0999_05_f_2013_150				
Action/Comments					
Garbage Inspector Comments: Sofa on waterward shoulder.					

No Photos

LM Start	2.00	Rating **	C	Issue No.	80
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.355531 °	38.355531 °
				-121.571374 °	-121.571374 °
DWR ID	DWR_RD0999_05_s_2012_80				
Action/Comments					
Material Inspector Comments: District placed large concrete rubble on ramp to block access. District should remove concrete rubble and use a different method to block access.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	2.14	Rating **	M	Issue No.	24
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.355402 °	38.355282 °
				-121.568893 °	-121.568547 °
DWR ID	DWR_RD0999_05_s_2012_24				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_236_24_20150327_00148.jpg



Looking west at dense trees on landward slope. (Spring 2015)

LM Start	2.28	Rating **	A/W	Issue No.	40
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354474 °	38.354555 °
				-121.566701 °	-121.566191 °
DWR ID	DWR_RD0999_05_s_2012_40				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.36	Rating **	M	Issue No.	42
LM End	2.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354916 °	38.355982 °
				-121.565167 °	-121.563561 °
DWR ID	DWR_RD0999_05_s_2012_42				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	2.51	Rating **	M	Issue No.	82
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.356270 °	38.358132 °	
			-121.563218 °	-121.562347 °	
DWR ID	DWR_RD0999_05_s_2012_82				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_236_82_20150327_00149.jpg



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

LM Start	2.70	Rating **	A/W	Issue No.	73
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.358888 °	38.358888 °	
			-121.562280 °	-121.562280 °	
DWR ID	DWR_RD0999_05_s_2012_73				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	2.86	Rating **	M	Issue No.	152
LM End	3.12	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.361047 °	38.364409 °	
			-121.563113 °	-121.561941 °	
DWR ID	DWR_RD0999_05_f_2013_152				
Action/Comments					
Ditch Inspector Comments: Irrigation ditch at landward toe.					

Photo 1 of 1 : SP_2015_RD0999_236_152_20150309_00092.jpg



Looking north at abandoned irrigation ditch at landward toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	2.87	Rating **	M	Issue No.	29
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.361268 °	38.364373 °
				-121.563263 °	-121.561947 °
DWR ID	DWR_RD0999_05_s_2012_29				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.09	Rating **	U	Issue No.	139
LM End	3.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.363420 °	38.363420 °
				-121.563102 °	-121.563102 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42936 DS_ID:22849 EP_NO: 7378 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe outlet is eroding the LS slope of the levee, exposing the roots of an oak and threatening greater damage if allowed to continue. FIELD_STRUCT_DESC: 10-inch steel pipe through levee 6-feet below crown. Slant pump and service pole on the waterward slope. 36-inch concrete standpipe on LS toe (Permit No. 7378, 1971). Replaced an existing 8-inch pipe at the same location. FS Date: 06/28/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	3.12	Rating **	M	Issue No.	31
LM End	3.17	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.364392 °	38.364597 °	
			-121.561882 °	-121.561087 °	
DWR ID	DWR_RD0999_05_s_2012_31				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0999_236_31_20150309_00025.jpg



Looking downstream of landscaping blocking view of landside slope.

LM Start	3.21	Rating **	M	Issue No.	153
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.364694 °	38.372513 °	
			-121.560209 °	-121.552538 °	
DWR ID	DWR_RD0999_05_f_2013_153				
Action/Comments					
Ditch Inspector Comments: Adandoned irrigation ditch at landward toe.					

Photo 1 of 3 : SP_2015_RD0999_236_153_20150309_00093.jpg



Looking north at old irrigation ditch at landward toe.

LM Start	3.21	Rating **	M	Issue No.	153 (cont)
LM End	4.22	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2015_RD0999_236_153_20150309_00094.jpg



Looking south at irrigation ditch at landward toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	3.21	Rating **	M	Issue No.	153 (cont)
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.364694 °	38.372513 °
				-121.560209 °	-121.552538 °
DWR ID	DWR_RD0999_05_f_2013_153				
Action/Comments					
Ditch Inspector Comments: Adandoned irrigation ditch at landward toe.					

Photo 3 of 3 : SP_2015_RD0999_236_153_20150309_00095.jpg



Looking north at irrigation ditch at landward toe.

LM Start	3.22	Rating **	A/W	Issue No.	33
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.364552 °	38.364225 °
				-121.560137 °	-121.558852 °
DWR ID	DWR_RD0999_05_s_2012_33				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.26	Rating **	A/W	Issue No.	191
LM End	3.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.364522 °	38.366911 °
				-121.559423 °	-121.556784 °
DWR ID	DWR_RD0999_05_s_2014_191				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	3.58	Rating **	M	Issue No.	202
LM End	3.64	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.366100 °	38.367043 °	
			-121.556831 °	-121.556772 °	
DWR ID	DWR_RD0999_05_f_2014_202				
Action/Comments					
Landscape Irrigation Inspector Comments: Landowner installed sprinkler system on landward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_202_20150309_00113.jpg



Looking west at one of several sprinklers installed on landward slope.

LM Start	3.58	Rating **	M	Issue No.	201
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.366103 °	38.367035 °	
			-121.556820 °	-121.556781 °	
DWR ID	DWR_RD0999_05_f_2014_201				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Landowner has planted oak trees and installed sprinklers on landward slope. Oak trees should be removed.					

Photo 1 of 2 : SP_2015_RD0999_236_201_20150309_00111.jpg



Looking northwest at several small oak trees planted along landward slope.

LM Start	3.58	Rating **	M	Issue No.	201 (cont)
LM End	3.64	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_236_201_20150309_00112.jpg



Looking west a several small oak trees planted on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	16
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.366958 °	38.366958 °	
			-121.556822 °	-121.556822 °	
DWR ID	DWR_RD0999_05_s_2012_16				
Action/Comments					
Equipment Inspector Comments: Equipment stored at landside toe.					

Photo 1 of 2 : SP_2015_RD0999_236_16_20150309_00011.jpg



Looking northwest at equipment on landside toe.

LM Start	3.64	Rating **	M	Issue No.	16 (cont)
LM End	3.64	Issue Type +	Ma	Location *	LS

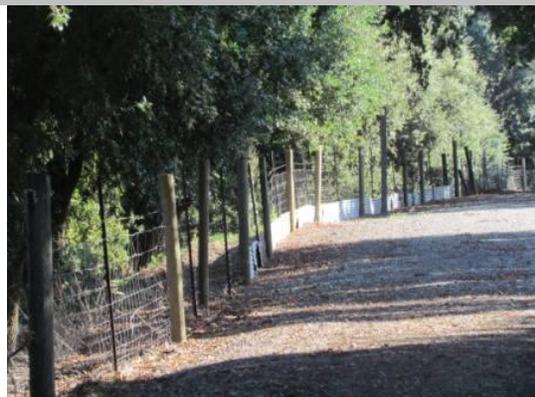
Photo 2 of 2 : SP_2015_RD0999_236_16_20150309_00012.jpg



Looking west at equipment at landside toe.

LM Start	3.68	Rating **	M	Issue No.	85
LM End	3.75	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.367500 °	38.367997 °	
			-121.556478 °	-121.555348 °	
DWR ID	DWR_RD0999_05_s_2012_85				
Action/Comments					
Fence Inspector Comments: Fencing is for livestock.					

Photo 1 of 2 : SP_2015_RD0999_236_85_20150309_00059.jpg



Looking north at fence along landside shoulder.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	3.68	Rating **	M	Issue No.	85 (cont)
LM End	3.75	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.367500 °	38.367997 °	
			-121.556478 °	-121.555348 °	
DWR ID	DWR_RD0999_05_s_2012_85				
Action/Comments					
Fence Inspector Comments: Fencing is for livestock.					

Photo 2 of 2 : SP_2015_RD0999_236_85_20150309_00060.jpg



Looking west at animal shelter within animal pen on landward slope.

LM Start	3.70	Rating **	M	Issue No.	84
LM End	3.74	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.367644 °	38.367971 °	
			-121.556012 °	-121.555431 °	
DWR ID	DWR_RD0999_05_s_2012_84				
Action/Comments					
Fence Inspector Comments: Fencing is for livestock.					

No Photos

LM Start	3.74	Rating **	M	Issue No.	143
LM End	3.74	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.367469 °	38.367469 °	
			-121.556509 °	-121.556509 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16337 DS_ID:23965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for this crossing. FIELD_STRUCT_DESC: 9-inch steel irrigation pipe through levee 2- feet below crown. Pump on pier on WS with butterfly valve. Filter plant and siphon breaker on LS toe 1.5-inch galvanized iron electrical at same location. FS Date: 06/28/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	3.88	Rating **	U	Issue No.	17
LM End	3.88	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.368307 °	38.368307 °	
			-121.552955 °	-121.552955 °	
DWR ID	DWR_RD0999_05_s_2012_17				
Action/Comments					
Prunings Inspector Comments: Large pruning pile on landward toe and slope.					

Photo 1 of 2 : SP_2015_RD0999_236_17_20150327_00150.jpg



Looking northwest at large pruning pile on landward slope and berm. (Spring 2015)

LM Start	3.88	Rating **	U	Issue No.	17 (cont)
LM End	3.88	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD0999_236_17_20150327_00151.jpg



Looking southwest at large pruning pile on landward slope and berm. (Spring 2015)

LM Start	3.94	Rating **	M	Issue No.	181
LM End	4.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.368919 °	38.372558 °	
			-121.552485 °	-121.552484 °	
DWR ID	DWR_RD0999_05_s_2015_181				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control grasses on levee crown.					

Photo 1 of 1 : SP_2015_RD0999_236_181_20150327_00152.jpg



Looking north at vegetation on levee crown. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	3.98	Rating **	M	Issue No.	41
LM End	4.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.369440 °	38.370398 °	
			-121.552747 °	-121.553373 °	
DWR ID	DWR_RD0999_05_s_2012_41				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Control oak saplings on waterward slope.					

LM Start	3.98	Rating **	M	Issue No.	41 (cont)
LM End	4.05	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2015_RD0999_236_41_20150327_00153.jpg



Looking southeast at saplings on waterward slope. (Spring 2015)

Photo 2 of 2 : SP_2015_RD0999_236_41_20150309_00035.jpg



Looking northeast at trimmed trees on waterside slope.

LM Start	4.23	Rating **	A/W	Issue No.	35
LM End	4.23	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.372672 °	38.372672 °	
			-121.552380 °	-121.552380 °	
DWR ID	DWR_RD0999_05_s_2012_35				
Action/Comments					
Prunings					

Photo 1 of 2 : SP_2015_RD0999_236_35_20150309_00027.jpg



Looking northeast at corrected pruning site on waterward shoulder and 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.23	Rating **	A/W	Issue No.	35 (cont)
LM End	4.23	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.372672 °	38.372672 °
				-121.552380 °	-121.552380 °
DWR ID	DWR_RD0999_05_s_2012_35				
Action/Comments					
Prunings					

Photo 2 of 2 : SP_2015_RD0999_236_35_20150309_00028.jpg



Looking northeast at larger pruning pile on waterside shoulder.

LM Start	4.29	Rating **	M	Issue No.	55
LM End	4.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373517 °	38.373517 °
				-121.551867 °	-121.551867 °
DWR ID	DWR_RD0999_05_s_2012_55				
Action/Comments					
Landscaping Inspector Comments: Century plant on waterside slope.					

Photo 1 of 1 : SP_2015_RD0999_236_55_20150309_00045.jpg



Looking at century plants on waterside shoulder.(Spring 2012)

LM Start	4.30	Rating **	A/W	Issue No.	44
LM End	4.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373625 °	38.373907 °
				-121.551787 °	-121.551607 °
DWR ID	DWR_RD0999_05_s_2012_44				
Action/Comments					
Landscaping Inspector Comments: Landowner complies with Board standards.					

Photo 1 of 4 : SP_2015_RD0999_236_44_20150309_00038.jpg



Looking south at corrected landscaping on landward slope.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.30	Rating **	A/W	Issue No.	44 (cont)
LM End	4.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373625 °	38.373907 °
				-121.551787 °	-121.551607 °
DWR ID	DWR_RD0999_05_s_2012_44				
Action/Comments					
Landscaping Inspector Comments: Landowner complies with Board standards.					

Photo 2 of 4 : SP_2015_RD0999_236_44_20150309_00039.jpg



Looking north at corrected landscaping on landward slope.

LM Start	4.30	Rating **	A/W	Issue No.	44 (cont)
LM End	4.33	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP_2015_RD0999_236_44_20150309_00040.jpg



Looking north at landscaping on landward slope.

LM Start	4.30	Rating **	A/W	Issue No.	44 (cont)
LM End	4.33	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP_2015_RD0999_236_44_20150309_00041.jpg



Overgrown landscaping on landside slope blocking view of slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.35	Rating **	A/W	Issue No.	45
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.374160 °	38.374410 °
				-121.551408 °	-121.551157 °
DWR ID	DWR_RD0999_05_s_2012_45				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	4.35	Rating **	A/W	Issue No.	28
LM End	4.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374215 °	38.374215 °
				-121.551352 °	-121.551352 °
DWR ID	DWR_RD0999_05_f_2012_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0999_236_28_20150309_00024.jpg



Looking northeast at fig tree on waterside slope.

LM Start	4.37	Rating **	M	Issue No.	37
LM End	4.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374393 °	38.375008 °
				-121.551187 °	-121.550085 °
DWR ID	DWR_RD0999_05_s_2012_37				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.37	Rating **	M	Issue No.	56
LM End	4.37	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.374410 °	38.374410 °	
			-121.551173 °	-121.551173 °	
DWR ID	DWR_RD0999_05_s_2012_56				
Action/Comments					
Landscaping Inspector Comments: Cactus					

Photo 1 of 1 : SP_2015_RD0999_236_56_20150309_00046.jpg



Looking northwest at cactus on landside shoulder and slope. (Spring 2012)

LM Start	4.42	Rating **	M	Issue No.	57
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.374866 °	38.375061 °	
			-121.550491 °	-121.549800 °	
DWR ID	DWR_RD0999_05_s_2012_57				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_236_57_20150327_00154.jpg



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

LM Start	4.44	Rating **	M	Issue No.	148
LM End	4.44	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.374376 °	38.374376 °	
			-121.551201 °	-121.551201 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16338 DS_ID:23966 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This crossing should be permitted or removed. FIELD_STRUCT_DESC: 2-inch plastic water line through the levee 6-inch below the crown. Portable pump on the WS toe. FS Date: 06/28/2013					

No Photos

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.45	Rating **	M	Issue No.	130
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			°	°
DWR ID	DWR_RD0999_05_f_2013_130				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	4.45	Rating **	M	Issue No.	131
LM End	4.45	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375027 °	38.375027 °
				-121.549883 °	-121.549883 °
DWR ID	DWR_RD0999_05_s_2012_131				
Action/Comments					
Equipment Inspector Comments: Propane tank on waterside slope within the twenty foot zone.					

Photo 1 of 1 : SP_2015_RD0999_236_131_20150309_00079.jpg



Looking northeast at propane tank on waterside slope.

LM Start	4.47	Rating **	A/W	Issue No.	47
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375072 °	38.375057 °
				-121.549547 °	-121.548357 °
DWR ID	DWR_RD0999_05_s_2012_47				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.50	Rating **	A/W	Issue No.	58
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375099 °	38.375211 °
				-121.549068 °	-121.547158 °
DWR ID	DWR_RD0999_05_s_2012_58				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	4.51	Rating **	A/W	Issue No.	38
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375055 °	38.375313 °
				-121.548792 °	-121.546438 °
DWR ID	DWR_RD0999_05_s_2012_38				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 3 : SP_2015_RD0999_236_38_20150309_00029.jpg



Looking northwest at dense trees on landside slope. (Spring 2011)

Photo 2 of 3 : SP_2015_RD0999_236_38_20150309_00030.jpg



Looking west at trimmed trees on landside slope. (Spring 2012)

LM Start	4.51	Rating **	A/W	Issue No.	38 (cont)
LM End	4.64	Issue Type +	Ma	Location *	LS

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.51	Rating **	A/W	Issue No.	38 (cont)
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375055 °	38.375313 °
				-121.548792 °	-121.546438 °
DWR ID	DWR_RD0999_05_s_2012_38				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 3 of 3 : SP_2015_RD0999_236_38_20150309_00031.jpg



Looking west at dense trees on landside slope. (Spring 2011)

LM Start	4.51	Rating **	A/W	Issue No.	32
LM End	4.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.375084 °	38.377176 °
				-121.548750 °	-121.543571 °
DWR ID	DWR_RD0999_05_f_2012_32				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 1 of 1 : SP_2015_RD0999_236_32_20150309_00026.jpg



Looking north at vegetation on levee crown.

LM Start	4.51	Rating **	A/W	Issue No.	49
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.375050 °	38.375077 °
				-121.548717 °	-121.547512 °
DWR ID	DWR_RD0999_05_s_2012_49				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.52	Rating **	M	Issue No.	151
LM End	4.52	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.375036 °	38.375036 °	
			-121.549961 °	-121.549961 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16403 DS_ID:23967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing or remove it. FIELD_STRUCT_DESC: 5-inch temporary alluminum pipe over the top of the levee. Portable pump on the WS toe. FS Date: 06/28/2013					

No Photos

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		38.375360 °	38.375360 °	
			-121.546291 °	-121.546291 °	
DWR ID	DWR_RD0999_05_s_2012_62				
Action/Comments					
Tree stumps.					

No Photos

LM Start	4.65	Rating **	A/W	Issue No.	50
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.375373 °	38.375373 °	
			-121.546200 °	-121.546200 °	
DWR ID	DWR_RD0999_05_s_2012_50				
Action/Comments					
Tree or limb Inspector Comments: Old tree limbs on landward shoulder blocking access.					

Photo 1 of 1 : SP_2015_RD0999_236_50_20150309_00043.jpg



Looking southwest at tree limbs on landward shoulder.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.67	Rating **	M	Issue No.	52
LM End	4.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375478 °	38.375478 °
				-121.545852 °	-121.545852 °
DWR ID	DWR_RD0999_05_s_2012_52				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD0999_236_52_20150327_00155.jpg



Looking west at untrimmed trees on landward toe. (Spring 2015)

LM Start	4.68	Rating **	M	Issue No.	46
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375548 °	38.375548 °
				-121.545693 °	-121.545693 °
DWR ID	DWR_RD0999_05_f_2012_46				
Action/Comments					
Pipe Inspector Comments: Pipe is disconnected from pump and should be reconnected or removed.					

Photo 1 of 1 : SP_2015_RD0999_236_46_20150309_00042.jpg



Looking east at pipe disconnected from pump.

LM Start	4.69	Rating **	A/W	Issue No.	63
LM End	4.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375566 °	38.375775 °
				-121.545676 °	-121.545255 °
DWR ID	DWR_RD0999_05_s_2012_63				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.71	Rating **	A/W	Issue No.	61
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.375769 °	38.376074 °
				-121.545258 °	-121.544799 °
DWR ID	DWR_RD0999_05_f_2012_61				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation at landside toe.					

No Photos

LM Start	4.76	Rating **	A/W	Issue No.	154
LM End	4.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability				
DWR ID	DWR_RD0999_05_f_2013_154				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Levee damaged by vehicle traffic.					

Photo 1 of 1 : SP_2015_RD0999_236_154_20150309_00096.jpg



Looking west at levee damage due to vehicle traffic.

LM Start	4.77	Rating **	M	Issue No.	159
LM End	4.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.375537 °	38.375537 °
				-121.545647 °	-121.545647 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15443 DS_ID:22882 EP_NO: 7383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Pumphouse on WS slope and a JP on the LS shoulder. 1.5-inch galvanized iron electrical conduit at same location. Replaces existing portion of a 10-inch pipe within the levee section (Permit No. 7383, 1971). FS Date: 06/28/2013					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	4.78	Rating **	A/W	Issue No.	64
LM End	4.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.376432 °	38.376432 °	
			-121.544382 °	-121.544382 °	
DWR ID	DWR_RD0999_05_s_2012_64				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	4.81	Rating **	M	Issue No.	54
LM End	4.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.376717 °	38.376717 °	
			-121.544017 °	-121.544017 °	
DWR ID	DWR_RD0999_05_s_2012_54				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	5.07	Rating **	M	Issue No.	65
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.379711 °	38.379711 °	
			-121.541070 °	-121.541070 °	
DWR ID	DWR_RD0999_05_s_2012_65				
Action/Comments					
Prunings Inspector Comments: Prunings on landside slope.					

Photo 1 of 1 : SP_2015_RD0999_236_65_20150327_00156.jpg



Looking north at prunings on landward slope. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.22	Rating **	U	Issue No.	160
LM End	5.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.380523 °	38.380523 °
				-121.541186 °	-121.541186 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41786 DS_ID:22856 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Pipe open on waterside. FIELD_STRUCT_DESC: 7-inch steel irrigation pipe through the levee 6.5-feet below the crown. Originally included in the 1966 O&M manual. FS Date: 06/28/2013					

No Photos

LM Start	5.38	Rating **	M	Issue No.	51
LM End	5.42	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381490 °	38.381795 °
				-121.545477 °	-121.545996 °
DWR ID	DWR_RD0999_05_s_2012_51				
Action/Comments					
Fence Inspector Comments: Fence is installed down waterside slope.					

Photo 1 of 1 : SP_2015_RD0999_236_51_20150309_00044.jpg



Looking northeast at fence on waterside slope.

LM Start	5.41	Rating **	M	Issue No.	138
LM End	5.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381740 °	38.381740 °
				-121.545864 °	-121.545864 °
DWR ID	DWR_RD0999_05_s_2014_138				
Action/Comments					
Material Inspector Comments: Concrete rubble dumped on waterward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_138_20150309_00085.jpg



Looking northeast at concrete rubble on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.42	Rating **	U	Issue No.	43
LM End	5.44	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.381815 °	38.382137 °	
			-121.546058 °	-121.546338 °	
DWR ID	DWR_RD0999_05_s_2012_43				
Action/Comments					
Landscaping Inspector Comments: Ground cover blocking view of waterward slope.					

Photo 1 of 2 : SP_2015_RD0999_236_43_20150327_00157.jpg



Looking north at dense groundcover and vegetation on waterward slope. (Spring 2015)

LM Start	5.42	Rating **	U	Issue No.	43 (cont)
LM End	5.44	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2015_RD0999_236_43_20150309_00037.jpg



Looking northeast at dense groundcover and vegetation on waterside slope.

LM Start	5.47	Rating **	U	Issue No.	67
LM End	5.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.382454 °	38.383141 °	
			-121.546579 °	-121.546870 °	
DWR ID	DWR_RD0999_05_s_2012_67				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD0999_236_67_20150309_00051.jpg



Looking north at dense vegetation on landward shoulder and 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.48	Rating **	M	Issue No.	68
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.382553 °	38.382553 °	
			-121.546651 °	-121.546651 °	
DWR ID	DWR_RD0999_05_s_2012_68				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD0999_236_68_20150327_00158.jpg



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

LM Start	5.49	Rating **	M	Issue No.	70
LM End	5.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.382698 °	38.382698 °	
			-121.546711 °	-121.546711 °	
DWR ID	DWR_RD0999_05_s_2012_70				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_236_70_20150309_00052.jpg



Looking southwest at untrimmed tree on waterside shoulder and slope.

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

Photo 1 of 1 : SP_2015_RD0999_236_71_20150309_00053.jpg



Looking northeast at dense vegetation on waterside slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.54	Rating **	M	Issue No.	161
LM End	5.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.382153 °	38.382153 °
				-121.546387 °	-121.546387 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16341 DS_ID:23969 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit no. or remove. No pictures taken. FIELD_STRUCT_DESC: 1-inch PVC irrigation line through the levee at unknown depth. Shutoff valves at hose bib on WS shoulder and in groundcover vegetation on LS slope. FS Date: 06/28/2013					

No Photos

LM Start	5.56	Rating **	M	Issue No.	203
LM End	5.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383740 °	38.384218 °
				-121.546628 °	-121.546095 °
DWR ID	DWR_RD0999_05_f_2014_203				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	5.58	Rating **	M	Issue No.	182
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383911 °	38.383911 °
				-121.546516 °	-121.546516 °
DWR ID	DWR_RD0999_05_s_2015_182				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.58	Rating **	A/W	Issue No.	192
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383978 °	38.383978 °
				-121.546435 °	-121.546435 °
DWR ID	DWR_RD0999_05_s_2014_192				
Action/Comments					
Prunings Inspector Comments: Landowner pile prunings on landside slope.					

Photo 1 of 1 : SP_2015_RD0999_236_192_20150309_00105.jpg



Looking west at prunings on landward slope and toe.

LM Start	5.59	Rating **	M	Issue No.	162
LM End	5.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.382821 °	38.382821 °
				-121.546661 °	-121.546661 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15446 DS_ID:22857 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so appropriately. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4-feet below the crown. Pumphouse and gate valve on the waterward slope. Vent on LS slope and a 42-inch concrete standpipe on LS toe. service pole on the landward slope with a 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 06/28/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.80	Rating **	M	Issue No.	48
LM End	5.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.384718 °	38.384930 °	
			-121.542590 °	-121.541883 °	
DWR ID	DWR_RD0999_05_s_2012_48				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0999_236_48_20150327_00159.jpg



Looking east at dense vegetation on landward slope. (Spring 2015)

LM Start	5.84	Rating **	A/W	Issue No.	59
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.384867 °	38.384867 °	
			-121.541845 °	-121.541845 °	
DWR ID	DWR_RD0999_05_s_2012_59				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	5.93	Rating **	M	Issue No.	39
LM End	5.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.385729 °	38.385729 °	
			-121.540863 °	-121.540863 °	
DWR ID	DWR_RD0999_05_s_2013_39				
Action/Comments					
Tree or limb Inspector Comments: Large downed trees and limbs on landside slope and toe. District is in the process of removing tree branches and limbs from landward slope.					

Photo 1 of 5 : SP_2015_RD0999_236_39_20150327_00160.jpg



Looking south at fallen tree on landward slope. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.93	Rating **	M	Issue No.	39 (cont)
LM End	5.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.385729 °	38.385729 °	
			-121.540863 °	-121.540863 °	
DWR ID	DWR_RD0999_05_s_2013_39				
Action/Comments					
Tree or limb Inspector Comments: Large downed trees and limbs on landside slope and toe. District is in the process of removing tree branches and limbs from landward slope.					

LM Start	5.93	Rating **	M	Issue No.	39 (cont)
LM End	5.93	Issue Type +	Ma	Location *	LS

LM Start	5.93	Rating **	M	Issue No.	39 (cont)
LM End	5.93	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP_2015_RD0999_236_39_20150327_00161.jpg



Looking west at fallen tree on landward slope and toe. (Spring 2015)

Photo 3 of 5 : SP_2015_RD0999_236_39_20150309_00032.jpg



Looking southwest at downed tree on landward toe. (Fall 2014)

Photo 4 of 5 : SP_2015_RD0999_236_39_20150309_00033.jpg



Looking west at large tree on landside 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	5.93	Rating **	M	Issue No.	39 (cont)
LM End	5.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.385729 °	38.385729 °	
			-121.540863 °	-121.540863 °	
DWR ID	DWR_RD0999_05_s_2013_39				
Action/Comments					
Tree or limb Inspector Comments: Large downed trees and limbs on landside slope and toe. District is in the process of removing tree branches and limbs from landward slope.					



Looking northwest at large tree limb on landside toe and slope.

LM Start	6.13	Rating **	M	Issue No.	86
LM End	6.13	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.388159 °	38.388159 °	
			-121.542646 °	-121.542646 °	
DWR ID	DWR_RD0999_05_f_2012_86				
Action/Comments					
Stairway Inspector Comments: Landowner dug stairs into landside slope.					



Looking east at excavated stairs on landside slope

LM Start	6.13	Rating **	A/W	Issue No.	100
LM End	6.24	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.388165 °	38.389695 °	
			-121.542647 °	-121.542778 °	
DWR ID	DWR_RD0999_05_s_2012_100				
Action/Comments					
Prunings					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.13	Rating **	M	Issue No.	60
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.388225 °	38.388225 °	
			-121.542697 °	-121.542697 °	
DWR ID	DWR_RD0999_05_s_2012_60				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_RD0999_236_60_20150327_00162.jpg



Looking north at dense trees on landward slope. (Spring 2015)

LM Start	6.18	Rating **	A/W	Issue No.	140
LM End	6.18	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments			°	°
				°	°
DWR ID	DWR_RD0999_05_s_2013_140				
Action/Comments					
Pipe Inspector Comments: Irrigation pipes stored on landside toe.					

Photo 1 of 1 : SP_2015_RD0999_236_140_20150309_00086.jpg



Looking west at irrigation pipes on landside toe.

LM Start	6.20	Rating **	A/W	Issue No.	74
LM End	6.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.389116 °	38.389766 °	
			-121.542986 °	-121.542673 °	
DWR ID	DWR_RD0999_05_s_2012_74				
Action/Comments					
Prunings Inspector Comments: Prunings are outside the twenty foot zone should be burned or removed from waterward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_74_20150309_00055.jpg



Looking southeast at prunings on waterward slope.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.20	Rating **	A/W	Issue No.	115
LM End	6.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.389182 °	38.389725 °
				-121.542982 °	-121.542732 °
DWR ID	DWR_RD0999_05_s_2012_115				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	6.22	Rating **	M	Issue No.	183
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.389392 °	38.389392 °
				-121.542958 °	-121.542958 °
DWR ID	DWR_RD0999_05_s_2015_183				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	6.23	Rating **	M	Issue No.	163
LM End	6.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.388151 °	38.388151 °
				-121.542624 °	-121.542624 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40791 DS_ID:22890 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. Settlement over pipe alignment on crown. FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee 1.5-feet below the crown. Pump on WS. Filter, booster, and vent on LS toe. JP on WS shoulder. FS Date: 07/10/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.23	Rating **	U	Issue No.	164
LM End	6.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.388175 °	38.388175 °
				-121.542623 °	-121.542623 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15600 DS_ID:22859 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and is open on both ends. Pipe should be abandoned properly. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee 6-feet below the crown. Evidence of Pump, gate valve on the WS toe along with a service pole. Evidence of a 36-inch standpipe at the landward toe. Originally included in the 1966 O&M manual. FS Date: 07/10/2013					

No Photos

LM Start	6.26	Rating **	M	Issue No.	90
LM End	6.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.389851 °	38.389851 °
				-121.542583 °	-121.542583 °
DWR ID	DWR_RD0999_05_f_2012_90				
Action/Comments					
Inspector Comments: Gate should be repaired or removed.					

Photo 1 of 1 : SP_2015_RD0999_236_90_20150309_00062.jpg



Looking northwest at damaged gate on levee crown.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.26	Rating **	M	Issue No.	155
LM End	6.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.389946 °	38.389946 °
				-121.542461 °	-121.542461 °
DWR ID	DWR_RD0999_05_f_2013_155				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on landward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_155_20150309_00097.jpg



Looking southwest at ramp on landward slope.

LM Start	6.34	Rating **	A/W	Issue No.	75
LM End	6.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.390541 °	38.391396 °
				-121.541360 °	-121.540038 °
DWR ID	DWR_RD0999_05_s_2012_75				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	6.37	Rating **	M	Issue No.	97
LM End	6.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.390848 °	38.391880 °
				-121.540826 °	-121.539215 °
DWR ID	DWR_RD0999_05_f_2012_97				
Action/Comments					
Tree or limb Inspector Comments: Landowner planted trees on landside slope.					

Photo 1 of 2 : SP_2015_RD0999_236_97_20150309_00069.jpg



Looking west at newly planted tree on landside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.37	Rating **	M	Issue No.	97 (cont)
LM End	6.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.390848 °	38.391880 °
				-121.540826 °	-121.539215 °
DWR ID	DWR_RD0999_05_f_2012_97				
Action/Comments					
Tree or limb Inspector Comments: Landowner planted trees on landside slope.					

Photo 2 of 2 : SP_2015_RD0999_236_97_20150309_00070.jpg



Looking northwest at newly planted trees on landside slope.

LM Start	6.48	Rating **	M	Issue No.	92
LM End	6.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.391776 °	38.391776 °
				-121.539295 °	-121.539295 °
DWR ID	DWR_RD0999_05_s_2012_92				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_RD0999_236_92_20150309_00063.jpg



Looking east prunings on landward slope.

LM Start	6.57	Rating **	M	Issue No.	165
LM End	6.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391723 °	38.391723 °
				-121.539442 °	-121.539442 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15604 DS_ID:22860 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through the levee 7.2 feet below the crown. Open 9'X14' concrete pump pit on waterward slope. Pipe has steel plate bolted over WS end . Originally included in the 1966 O&M manual. FS Date: 07/10/2013					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.61	Rating **	M	Issue No.	132
LM End	6.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.393578 °	38.393578 °
				-121.539295 °	-121.539295 °
DWR ID	DWR_RD0999_05_f_2012_132				
Action/Comments					
Ramp Inspector Comments: Landowner installed ramp on landside slope without permit.					

Photo 1 of 1 : SP_2015_RD0999_236_132_20150309_00080.jpg



Looking east at unauthorized ramp on landside slope.

LM Start	6.66	Rating **	M	Issue No.	166
LM End	6.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.392788 °	38.392788 °
				-121.539047 °	-121.539047 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16342 DS_ID:23988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing. FIELD_STRUCT_DESC: 8-inch aluminum irrigation pipe over the crown-pipe blocks crown when in use. Portable pump on WS toe. FS Date: 07/10/2013					

No Photos

LM Start	6.68	Rating **	U	Issue No.	93
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.394491 °	38.394991 °
				-121.539427 °	-121.539333 °
DWR ID	DWR_RD0999_05_s_2012_93				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP_2015_RD0999_236_93_20150309_00064.jpg



Looking north at overgrown landscape on landside 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.73	Rating **	M	Issue No.	96
LM End	6.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.395234 °	38.395234 °	
			-121.539323 °	-121.539323 °	
DWR ID	DWR_RD0999_05_s_2012_96				
Action/Comments					
Material Inspector Comments: Firewood and other material on landside shoulder.					

Photo 1 of 4 : SP_2015_RD0999_236_96_20150309_00065.jpg



Fence, firewood and material at landside shoulder.

LM Start	6.73	Rating **	M	Issue No.	96 (cont)
LM End	6.73	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP_2015_RD0999_236_96_20150309_00066.jpg



Looking northeast at firewood and other material on landside shoulder. (Spring 2012)

LM Start	6.73	Rating **	M	Issue No.	96 (cont)
LM End	6.73	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP_2015_RD0999_236_96_20150309_00067.jpg



Looking south at firewood and other material on landside shoulder and crown.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.73	Rating **	M	Issue No.	96 (cont)
LM End	6.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395234 °	38.395234 °
				-121.539323 °	-121.539323 °
DWR ID	DWR_RD0999_05_s_2012_96				
Action/Comments					
Material Inspector Comments: Firewood and other material on landside shoulder.					

Photo 4 of 4 : SP_2015_RD0999_236_96_20150309_00068.jpg



Looking north at firewood and other material on landside shoulder and crown.

LM Start	6.79	Rating **	M	Issue No.	156
LM End	6.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395945 °	38.395945 °
				-121.538859 °	-121.538859 °
DWR ID	DWR_RD0999_05_f_2013_156				
Action/Comments					
Equipment Inspector Comments: Landowner is storing farm equipment on landward shoulder.					

Photo 1 of 3 : SP_2015_RD0999_236_156_20150309_00098.jpg



Looking north at farm equipment on landward shoulder (Fall 2014)

LM Start	6.79	Rating **	M	Issue No.	156 (cont)
LM End	6.79	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2015_RD0999_236_156_20150309_00099.jpg



Looking north at farm equipment on landward shoulder.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.79	Rating **	M	Issue No.	156 (cont)
LM End	6.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395945 °	38.395945 °
				-121.538859 °	-121.538859 °
DWR ID	DWR_RD0999_05_f_2013_156				
Action/Comments					
Equipment Inspector Comments: Landowner is storing farm equipment on landward shoulder.					

Photo 3 of 3 : SP_2015_RD0999_236_156_20150309_00100.jpg



Looking south at farm equipment on landward shoulder.

LM Start	6.79	Rating **	C	Issue No.	141
LM End	6.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				
DWR ID	DWR_RD0999_05_s_2013_141				
Action/Comments					
Prunings					

No Photos

LM Start	6.80	Rating **	M	Issue No.	157
LM End	6.80	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396099 °	38.396099 °
				-121.538585 °	-121.538585 °
DWR ID	DWR_RD0999_05_f_2013_157				
Action/Comments					
Material Inspector Comments: Landowner is storing pallets of bricks on waterward shoulder.					

Photo 1 of 1 : SP_2015_RD0999_236_157_20150309_00101.jpg



Looking northeast at pallets of bricks store on waterward shoulder.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	6.85	Rating **	M	Issue No.	204
LM End	7.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.396379 °	38.403600 °
				-121.537814 °	-121.540311 °
DWR ID	DWR_RD0999_05_f_2014_204				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trees at landward toe blocking visibility.					

No Photos

LM Start	6.95	Rating **	A/W	Issue No.	142
LM End	6.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396958 °	38.396958 °
				-121.536148 °	-121.536148 °
DWR ID	DWR_RD0999_05_s_2013_142				
Action/Comments					
Prunings Inspector Comments: Large pruning pile on landward shoulder and slope.					

Photo 1 of 1 : SP_2015_RD0999_236_142_20150309_00087.jpg



Looking northeast at large prunings on landward slope.

LM Start	7.15	Rating **	M	Issue No.	184
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.399761 °	38.399761 °
				-121.536565 °	-121.536565 °
DWR ID	DWR_RD0999_05_s_2015_184				
Action/Comments					
Trim trees to at least five feet above ground level.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	7.47	Rating **	C	Issue No.	116
LM End	7.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.403443 °	38.403443 °
				-121.540007 °	-121.540007 °
DWR ID	DWR_RD0999_05_s_2012_116				
Action/Comments					
Prunings					

No Photos

LM Start	7.54	Rating **	U	Issue No.	66
LM End	7.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403895 °	38.404145 °
				-121.541113 °	-121.541835 °
DWR ID	DWR_RD0999_05_s_2012_66				
Action/Comments					
Landscaping					



Looking east at overgrown landscape on landside slope.

LM Start	7.54	Rating **	U	Issue No.	66 (cont)
LM End	7.58	Issue Type +	En	Location *	LS



Landscaping on landside slope blocking view of slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	7.78	Rating **	M	Issue No.	169
LM End	7.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.404865 °	38.404865 °
				-121.543079 °	-121.543079 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15742 DS_ID:22866 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to locate, but good location as there are sprinklers on both sides of the crown. Need to determine disposition of pipe. FIELD_STRUCT_DESC: 3-inch pipe through levee 11.3 feet below crown. Gate valve on landward slope. Sprinklers located on both slopes of levee. Location verified by electromagnetic survey. Originally included in the 1966 O&M manual. FS Date: 07/10/2013					

No Photos

LM Start	7.89	Rating **	M	Issue No.	170
LM End	7.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.406221 °	38.406221 °
				-121.543609 °	-121.543609 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15643 DS_ID:22867 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to access property. Need to verify disposition of pipe. FIELD_STRUCT_DESC: 12-inch pipe through levee 4.0 feet below crown. Pump house on the waterward slope, service pole on the levee crown. Originally included in the 1966 O&M manual. FS Date: 07/10/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.03	Rating **	M	Issue No.	81
LM End	8.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409282 °	38.409282 °
				-121.541241 °	-121.541241 °
DWR ID	DWR_RD0999_05_s_2012_81				
Action/Comments					
Prunings					

No Photos

LM Start	8.03	Rating **	M	Issue No.	185
LM End	8.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409324 °	38.409324 °
				-121.541223 °	-121.541223 °
DWR ID	DWR_RD0999_05_s_2015_185				
Action/Comments					
Prunings Inspector Comments: Garbage within prunings piles.					

Photo 1 of 1 : SP_2015_RD0999_236_185_20150327_00163.jpg



Looking west at pruning piles on landward slope. (Spring 2015)

LM Start	8.06	Rating **	M	Issue No.	87
LM End	8.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409532 °	38.409760 °
				-121.540667 °	-121.540080 °
DWR ID	DWR_RD0999_05_s_2012_87				
Action/Comments					
Landscaping					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.17	Rating **	A/W	Issue No.	133
LM End	8.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409846 °	38.409846 °
				-121.538828 °	-121.538828 °
DWR ID	DWR_RD0999_05_f_2012_133				
Action/Comments					
Prunings					

No Photos

LM Start	8.17	Rating **	M	Issue No.	171
LM End	8.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409421 °	38.409421 °
				-121.541007 °	-121.541007 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15683 DS_ID:22881 EP_NO: 13463 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed in excavation on LS shoulder at what may be a leak. FIELD_STRUCT_DESC: 12-inch pipe through the levee 2.5-feet below the crown. Pump on pile structure with walkway on WS toe. 12-inch PVC standpipe on LS toe next to filter plant and shed. (Permit No. 13463, 1982). 1.5-inch PVC electrical conduit at same location. This pipe replaced an existing 8-inch pipe that was grouted in place. FS Date: 07/10/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.18	Rating **	M	Issue No.	172
LM End	8.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409440 °	38.409440 °
				-121.540928 °	-121.540928 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15663 DS_ID:22868 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee 14.4 feet below crown. Gate valve at pump in Concrete pit under pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 07/10/2013					

No Photos

LM Start	8.18	Rating **	M	Issue No.	173
LM End	8.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409488 °	38.409488 °
				-121.540833 °	-121.540833 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15664 DS_ID:22870 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water pipe through the levee 12.5 feet below the crown. Gate valve and domestic pressure system in pump house on the waterward slope. Originally included in the 1966 O&M manual. FS Date: 07/10/2013					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.24	Rating **	A/W	Issue No.	119
LM End	8.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.409580 °	38.409580 °	
			-121.537587 °	-121.537587 °	
DWR ID	DWR_RD0999_05_s_2012_119				
Action/Comments					
Prunings					

No Photos

LM Start	8.26	Rating **	A/W	Issue No.	120
LM End	8.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.409467 °	38.409145 °	
			-121.537157 °	-121.536390 °	
DWR ID	DWR_RD0999_05_s_2012_120				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	8.27	Rating **	C	Issue No.	144
LM End	8.27	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.409450 °	38.409450 °	
			-121.537066 °	-121.537066 °	
DWR ID	DWR_RD0999_05_s_2014_144				
Action/Comments					
Pipe Inspector Comments: PVC pipes stored on waterward shoulder.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.27	Rating **	A/W	Issue No.	69
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.409445 °	38.413717 °
				-121.536980 °	-121.523813 °
DWR ID	DWR_RD0999_05_s_2012_69				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	8.28	Rating **	M	Issue No.	207
LM End	8.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409389 °	38.409389 °
				-121.536881 °	-121.536881 °
DWR ID	DWR_RD0999_05_f_2014_207				
Action/Comments					
Pipe Inspector Comments: Electrical conduct buried across levee crown. Conduct connects to satellite dish on waterward shoulder.					

Photo 1 of 3 : SP_2015_RD0999_236_207_20150309_00114.jpg



Looking south at satellite dish on waterward shoulder.

LM Start	8.28	Rating **	M	Issue No.	207 (cont)
LM End	8.28	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2015_RD0999_236_207_20150309_00115.jpg



Looking west at electrical box on landward shoulder.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.28	Rating **	M	Issue No.	207 (cont)
LM End	8.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409389 °	38.409389 °
				-121.536881 °	-121.536881 °
DWR ID	DWR_RD0999_05_f_2014_207				
Action/Comments					
Pipe Inspector Comments: Electrical conduct buried across levee crown. Conduct connects to satellite dish on waterward shoulder.					

Photo 3 of 3 : SP_2015_RD0999_236_207_20150309_00116.jpg



Looking northeast at electrical box on landward shoulder.

LM Start	8.29	Rating **	M	Issue No.	194
LM End	8.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409306 °	38.409184 °
				-121.536714 °	-121.536436 °
DWR ID	DWR_RD0999_05_s_2014_194				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	8.36	Rating **	A/W	Issue No.	89
LM End	8.36	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408763 °	38.408763 °
				-121.535609 °	-121.535609 °
DWR ID	DWR_RD0999_05_s_2012_89				
Action/Comments					
Prunings Inspector Comments: Garbage within prunings pile.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.39	Rating **	M	Issue No.	101
LM End	8.43	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.408586 °	38.408748 °	
			-121.534992 °	-121.534437 °	
DWR ID	DWR_RD0999_05_s_2012_101				
Action/Comments					
Fence Inspector Comments: Fence installed without CVFPB permit in 2008. Fence extends from landside toe to landside shoulder.					

Photo 1 of 1 : SP_2015_RD0999_236_101_20150309_00071.jpg



New installed unauthorized fence at landside slope and shoulder.

LM Start	8.42	Rating **	M	Issue No.	186
LM End	8.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.408623 °	38.411767 °	
			-121.534525 °	-121.530079 °	
DWR ID	DWR_RD0999_05_s_2015_186				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Tall grasses on levee crown should be controlled.					

Photo 1 of 1 : SP_2015_RD0999_236_186_20150327_00164.jpg



Looking east at levee crown. (Spring 2015)

LM Start	8.43	Rating **	M	Issue No.	175
LM End	8.43	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.409264 °	38.409264 °	
			-121.536659 °	-121.536659 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:15686 DS_ID:22872 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Type of pipe abandonment needs to be verified. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 11.7 feet below crown, no control valves. 1.5-inch galvanized iron electrical conduit found on WS slope at oak tree. 8-inch Pipe debris visible on WS slope. Originally included in the 1966 O&M manual. FS Date: 07/10/2013					

No Photos

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.43	Rating **	M	Issue No.	106
LM End	8.43	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.408688 °	38.408688 °	
			-121.534367 °	-121.534367 °	
DWR ID	DWR_RD0999_05_s_2012_106				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	8.48	Rating **	M	Issue No.	102
LM End	8.51	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.409116 °	38.409500 °	
			-121.533738 °	-121.533443 °	
DWR ID	DWR_RD0999_05_s_2012_102				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	8.49	Rating **	A/W	Issue No.	78
LM End	8.49	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.409378 °	38.409378 °	
			-121.533608 °	-121.533608 °	
DWR ID	DWR_RD0999_05_s_2012_78				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.50	Rating **	M	Issue No.	187
LM End	8.50	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.409395 °	38.409395 °	
			-121.533593 °	-121.533593 °	
DWR ID	DWR_RD0999_05_s_2015_187				
Action/Comments					
Fence Inspector Comments: Landowner installed a electrical fence across levee crown.					

Photo 1 of 1 : SP_2015_RD0999_236_187_20150327_00165.jpg



Looking east at new electrical fence across levee crown and landward slope. (Spring 2015)

LM Start	8.52	Rating **	C	Issue No.	121
LM End	8.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.409637 °	38.409637 °	
			-121.533312 °	-121.533312 °	
DWR ID	DWR_RD0999_05_s_2012_121				
Action/Comments					
Tree or limb					

No Photos

LM Start	8.53	Rating **	A/W	Issue No.	122
LM End	8.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.409700 °	38.409700 °	
			-121.533217 °	-121.533217 °	
DWR ID	DWR_RD0999_05_s_2012_122				
Action/Comments					
Tree or limb					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.54	Rating **	M	Issue No.	195
LM End	8.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409880 °	38.409880 °
				-121.533078 °	-121.533078 °
DWR ID	DWR_RD0999_05_s_2014_195				
Action/Comments					
Firewood Inspector Comments: Firewood stock piled on landside slope.					

Photo 1 of 1 : SP_2015_RD0999_236_195_20150309_00107.jpg



Looking northeast at firewood on landward slope.

LM Start	8.54	Rating **	A/W	Issue No.	105
LM End	8.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409913 °	38.409913 °
				-121.532988 °	-121.532988 °
DWR ID	DWR_RD0999_05_s_2012_105				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	8.58	Rating **	M	Issue No.	196
LM End	8.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410279 °	38.410279 °
				-121.532414 °	-121.532414 °
DWR ID	DWR_RD0999_05_s_2014_196				
Action/Comments					
Stairway Inspector Comments: Landowner installed concrete stairs and sprinkler and plantings on landside slope without CVFPB permit.					

Photo 1 of 2 : SP_2015_RD0999_236_196_20150309_00108.jpg



Looking east at concrete stairs, sprinklers and plantings on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.58	Rating **	M	Issue No.	196 (cont)
LM End	8.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410279 °	38.410279 °
				-121.532414 °	-121.532414 °
DWR ID	DWR_RD0999_05_s_2014_196				
Action/Comments					
Stairway Inspector Comments: Landowner installed concrete stairs and sprinkler and plantings on landside slope without CVFPB permit.					

Photo 2 of 2 : SP_2015_RD0999_236_196_20150309_00109.jpg



Looking north at concrete stairs on landward slope.

LM Start	8.59	Rating **	A/W	Issue No.	126
LM End	8.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.410283 °	38.410283 °
				-121.532353 °	-121.532353 °
DWR ID	DWR_RD0999_05_s_2012_126				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	8.59	Rating **	M	Issue No.	103
LM End	8.59	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410332 °	38.410332 °
				-121.532277 °	-121.532277 °
DWR ID	DWR_RD0999_05_s_2012_103				
Action/Comments					
Fence					

Photo 1 of 2 : SP_2015_RD0999_236_103_20150309_00072.jpg



View of fence & gate across levee crown, landside & waterside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.59	Rating **	M	Issue No.	103 (cont)
LM End	8.59	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410332 °	38.410332 °
				-121.532277 °	-121.532277 °
DWR ID	DWR_RD0999_05_s_2012_103				
Action/Comments					
Fence					

Photo 2 of 2 : SP_2015_RD0999_236_103_20150309_00073.jpg



New unauthorized fence that extend from landside toe to waterside toe.

LM Start	8.61	Rating **	M	Issue No.	123
LM End	8.61	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				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	8.63	Rating **	M	Issue No.	104
LM End	8.63	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410617 °	38.410617 °
				-121.531694 °	-121.531694 °
DWR ID	DWR_RD0999_05_s_2012_104				
Action/Comments					
Fence					

Photo 1 of 1 : SP_2015_RD0999_236_104_20150309_00074.jpg



New unauthorized fence and gate that extends from landside toe across levee crown to waterside toe.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.63	Rating **	M	Issue No.	208
LM End	8.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.410650 °	38.410650 °
				-121.531635 °	-121.531635 °
DWR ID	DWR_RD0999_05_f_2014_208				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	8.73	Rating **	M	Issue No.	134
LM End	8.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.411577 °	38.412619 °
				-121.530375 °	-121.529691 °
DWR ID	DWR_RD0999_05_f_2012_134				
Action/Comments					
Landscape Irrigation Inspector Comments: Sprinklers on landward and waterward shoulder.					

Photo 1 of 1 : SP_2015_RD0999_236_134_20150309_00081.jpg



Looking at one of several sprinklers on waterward and landward slope.

LM Start	8.75	Rating **	A/W	Issue No.	91
LM End	8.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.411567 °	38.411567 °
				-121.529902 °	-121.529902 °
DWR ID	DWR_RD0999_05_s_2012_91				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.75	Rating **	A/W	Issue No.	107
LM End	8.75	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.411760 °	38.411760 °
				-121.530008 °	-121.530008 °
DWR ID	DWR_RD0999_05_s_2012_107				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	8.77	Rating **	M	Issue No.	176
LM End	8.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.410531 °	38.410531 °
				-121.531785 °	-121.531785 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16345 DS_ID:23990 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No for crossing or remove it. FIELD_STRUCT_DESC: 3-inch plastic irrigation hose over the levee. Small portable pump on WS toe. FS Date: 07/10/2013					

No Photos

LM Start	8.78	Rating **	A/W	Issue No.	108
LM End	8.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.412053 °	38.412053 °
				-121.529752 °	-121.529752 °
DWR ID	DWR_RD0999_05_s_2012_108				
Action/Comments					
Prunings					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.81	Rating **	A/W	Issue No.	77
LM End	8.81	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.412468 °	38.412468 °	
			-121.529705 °	-121.529705 °	
DWR ID	DWR_RD0999_05_s_2012_77				
Action/Comments					
Prunings					

No Photos

LM Start	8.88	Rating **	M	Issue No.	124
LM End	8.88	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.413508 °	38.413508 °	
			-121.529743 °	-121.529743 °	
DWR ID	DWR_RD0999_05_s_2012_124				
Action/Comments					
Prunings					

No Photos

LM Start	8.90	Rating **	M	Issue No.	127
LM End	8.92	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413780 °	38.414138 °	
			-121.529727 °	-121.529772 °	
DWR ID	DWR_RD0999_05_s_2012_127				
Action/Comments					
Landscaping Inspector Comments: Cactus and other plants and sprinklers on landward slope.					

Photo 1 of 1 : SP_2015_RD0999_236_127_20150309_00075.jpg



Looking west at cactus and other vegetation on landward 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	8.90	Rating **	M	Issue No.	177
LM End	8.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.411805 °	38.411805 °
				-121.530044 °	-121.530044 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:16346 DS_ID:23991 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for crossing. FIELD_STRUCT_DESC: 1-inch PVC sprinklers on both sides of crown. Unclear where crossing occurs. No photos taken. FS Date: 07/10/2013					

No Photos

LM Start	9.00	Rating **	M	Issue No.	209
LM End	9.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.415201 °	38.415628 °
				-121.529612 °	-121.529622 °
DWR ID	DWR_RD0999_05_f_2014_209				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	9.15	Rating **	M	Issue No.	158
LM End	9.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415709 °	38.415709 °
				-121.527393 °	-121.527393 °
DWR ID	DWR_RD0999_05_f_2013_158				
Action/Comments					
Equipment Inspector Comments: Landowner has placed bleacher on landward shoulder.					

Photo 1 of 1 : SP_2015_RD0999_236_158_20150309_00102.jpg



Looking northeast at bleacher stored on landward shoulder.

* Location LS : Land Side 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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	9.17	Rating **	M	Issue No.	109
LM End	9.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.415495 °	38.415278 °	
			-121.527217 °	-121.527005 °	
DWR ID	DWR_RD0999_05_s_2012_109				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	9.25	Rating **	A/W	Issue No.	110
LM End	9.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.414550 °	38.413940 °	
			-121.526398 °	-121.525902 °	
DWR ID	DWR_RD0999_05_s_2012_110				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	9.31	Rating **	M	Issue No.	111
LM End	9.31	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413807 °	38.413807 °	
			-121.525740 °	-121.525740 °	
DWR ID	DWR_RD0999_05_s_2012_111				
Action/Comments					
Landscaping Inspector Comments: Cactus on landside slope.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	9.32	Rating **	M	Issue No.	112
LM End	9.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.413673 °	38.413412 °	
			-121.525558 °	-121.525190 °	
DWR ID	DWR_RD0999_05_s_2012_112				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	9.39	Rating **	M	Issue No.	114
LM End	9.39	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				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	9.42	Rating **	A/W	Issue No.	125
LM End	9.42	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.413522 °	38.413522 °	
			-121.524018 °	-121.524018 °	
DWR ID	DWR_RD0999_05_s_2012_125				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/24/2015 03/26/2015	Richard Willoughby

LM Start	9.44	Rating **	M	Issue No.	145
LM End	9.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413755 °	38.413755 °
				-121.523723 °	-121.523723 °
DWR ID	DWR_RD0999_05_s_2013_145				
Action/Comments					
Firewood Inspector Comments: Firewood stockpile at landward toe.					



Looking north at firewood piled at landside toe.

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