

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0999		Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0999		U	32.37				
Netherlands							
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Vegetation	0.54	0.05	0.74	2.29%			
Trim / Thin Trees	2.64	0.17	3.32	10.26%			
Encroachments	0.38	0.29	1.54	4.76%	2.35	1.57	
Animal Control	1.43		1.43	4.42%			
Slope Stability		0.03	0.12	0.37%			
Crown Surface / Depressions / Rutting	3.12	0.07	3.40	10.50%			
Repair Gates	0.01		0.01	0.03%			
<i>Supplemental</i>							
USACE Erosion Survey	0.29		0.29	0.90%			
<i>LMA Totals:</i>	8.41	0.61	10.85	33.52%	2.35	1.57	
Unit No. 01 Yolo Bypass LB							
		Overall Unit Rating	Total Unit Miles				
RD0999		U	15.43				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Trim / Thin Trees	0.61		0.61	3.95%			
Encroachments	0.07	0.28	1.19	7.71%	2.23	0.14	
Animal Control	0.01		0.01	0.07%			
Slope Stability		0.03	0.12	0.78%			
Crown Surface / Depressions / Rutting	2.84	0.07	3.12	20.22%			
Repair Gates	0.01		0.01	0.07%			
<i>Supplemental</i>							
USACE Erosion Survey	0.02		0.02	0.13%			
<i>Unit Totals:</i>	3.56	0.38	5.08	32.92%	2.23	0.14	
Unit No. 02 Miner Slough RB							
		Overall Unit Rating	Total Unit Miles				
RD0999		M	2.32				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Vegetation	0.17	0.01	0.21	9.05%			
Trim / Thin Trees	0.02	0.01	0.06	2.59%			
Encroachments	0.03		0.03	1.29%		0.13	
Animal Control	0.10		0.10	4.31%			
Crown Surface / Depressions / Rutting	0.05		0.05	2.16%			
<i>Unit Totals:</i>	0.37	0.02	0.45	19.40%	0.00	0.13	

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Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 03 Sutter Slough RB		Overall Unit Rating	Total Unit Miles				
RD0999		M	3.74				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Vegetation	0.12		0.12	3.21%			
Trim / Thin Trees	0.28	0.01	0.32	8.56%			
Encroachments	0.02		0.02	0.54%		0.04	
Animal Control	0.01		0.01	0.27%			
<i>Supplemental</i>							
USACE Erosion Survey	0.04		0.04	1.07%			
<i>Unit Totals:</i>	0.47	0.01	0.51	13.64%	0.00	0.04	

Unit No. 04 Sacramento River RB		Overall Unit Rating	Total Unit Miles				
RD0999		U	1.22				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Vegetation	0.01		0.01	0.82%			
Trim / Thin Trees	0.02		0.02	1.64%			
Encroachments					0.11	0.18	
<i>Supplemental</i>							
USACE Erosion Survey	0.23		0.23	18.85%			
<i>Unit Totals:</i>	0.26	0.00	0.26	21.31%	0.11	0.18	

Unit No. 05 Elk Slough RB		Overall Unit Rating	Total Unit Miles				
RD0999		U	9.66				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
<i>Earthen Levee</i>							
Vegetation	0.24	0.04	0.40	4.14%			
Trim / Thin Trees	1.71	0.15	2.31	23.91%			
Encroachments	0.26	0.01	0.30	3.11%	0.01	1.08	
Animal Control	1.31		1.31	13.56%			
Crown Surface / Depressions / Rutting	0.23		0.23	2.38%			
<i>Unit Totals:</i>	3.75	0.20	4.55	47.10%	0.01	1.08	

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2011 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)			U	

** 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.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles
Unit No. 01 Yolo Bypass	Left	15.43

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/5/2011 - 4/5/2011		10/11/2011 - 10/13/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Bob Webber RD 999		Bob Webber RD 999	

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :
 DWR Summer/Winter Inspection Reports
 3310 El Camino Avenue, Suite 200
 Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.13	0.41	Earthen Levee	Encroachments	WS	U	Material	38.503346 ° -121.582116 °	38.499389 ° -121.581933 °	1 Y
2	0.29	0.29	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.501113 ° -121.581975 °	38.501113 ° -121.581975 °	3
3	1.75	1.77	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.480082 ° -121.580930 °	38.479788 ° -121.580918 °	4 Y
4	1.81	2.07	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.479165 ° -121.580640 °	38.475463 ° -121.580722 °	30
5	2.15	2.15	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.474258 ° -121.580528 °	38.474258 ° -121.580528 °	7
6	2.15	2.15	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.474200 ° -121.580480 °	38.474200 ° -121.580480 °	31
7	2.20	2.21	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.473542 ° -121.580793 °	38.473417 ° -121.580885 °	8
8	3.33	5.30	Earthen Levee	Encroachments	WS	PO	Crops Inspector Comments: Landowner has planted Olive grove on waterside berm several years ago without a board permit.	38.458197 ° -121.588062 °	38.431240 ° -121.600587 °	5 Y
9	3.63	3.66	Earthen Levee	Slope Stability	LS	U	Repair slope instability. Inspector Comments: District Manager (Bob Webber) indicated that the area has a history of cracking and sloughing. District plan to repair site this summer.	38.454032 ° -121.590025 °	38.453680 ° -121.590173 °	6 Y
10	4.09	4.09	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.447772 ° -121.592912 °	38.447772 ° -121.592912 °	11
11	4.15	4.21	Earthen Levee	Encroachments	WS	W	Prunings	38.447017 ° -121.593338 °	38.446288 ° -121.593657 °	9 Y
12	4.17	4.18	Earthen Levee	Encroachments	LS	M	Prunings	38.446787 ° -121.593433 °	38.446653 ° -121.593492 °	10 Y
13	4.18	4.18	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.446619 ° -121.593442 °	38.446619 ° -121.593442 °	14
14	4.19	4.19	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.446478 ° -121.593508 °	38.446478 ° -121.593508 °	15
15	4.58	4.58	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.441063 ° -121.596038 °	38.441063 ° -121.596038 °	16
16	4.61	4.61	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.440748 ° -121.596187 °	38.440748 ° -121.596187 °	17

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	4.84	4.86	Supplemental	USACE Erosion Survey	WS	M	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. [2011 Site ID: DWS_5-0_L]	38.437506 ° -121.597707 °	38.437296 ° -121.597803 °	34 Y
18	5.20	5.29	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	38.432700 ° -121.599950 °	38.431425 ° -121.600528 °	12
19	6.55	6.60	Earthen Levee	Encroachments	LS	M	Prunings	38.414367 ° -121.608430 °	38.413698 ° -121.608762 °	18 Y
20	6.57	6.57	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.414002 ° -121.608573 °	38.414002 ° -121.608573 °	29
21	8.12	8.16	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.392797 ° -121.618363 °	38.392376 ° -121.618557 °	22
22	8.17	8.17	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Concrete rubble on waterside berm.	38.392255 ° -121.618709 °	38.392255 ° -121.618709 °	25 Y
23	9.20	9.27	Earthen Levee	Encroachments	LS	PO	Fences	38.378161 ° -121.625181 °	38.377261 ° -121.625619 °	918 Y
24	9.31	9.74	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	38.376669 ° -121.625896 °	38.370762 ° -121.628640 °	919
25	9.77	9.96	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Fence at landside shoulder	38.370502 ° -121.628975 °	38.367903 ° -121.630017 °	20
26	9.88	9.88	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.368898 ° -121.629470 °	38.368898 ° -121.629470 °	26
27	9.96	10.22	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	38.367831 ° -121.629990 °	38.364238 ° -121.631674 °	920
28	9.96	9.96	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.367750 ° -121.630025 °	38.367750 ° -121.630025 °	2
29	10.22	10.22	Earthen Levee	Repair Gates	CR	M	Inspector Comments: Gate is hard to open due to tee-pole dragging.	38.364223 ° -121.631672 °	38.364223 ° -121.631672 °	27 Y
30	10.31	11.61	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	38.363087 ° -121.632218 °	38.345393 ° -121.640425 °	36
31	10.58	10.58	Earthen Levee	Encroachments	WS	W	Garbage	38.359305 ° -121.633949 °	38.359305 ° -121.633949 °	28 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
32	10.83	11.07	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.356077 ° -121.635598 °	38.352640 ° -121.637078 °	23 Y
33	10.96	10.96	Earthen Levee	Encroachments	CR	C	Tree or limb Inspector Comments: Tree limb across crown can not access levee.	38.354205 ° -121.636308 °	38.354205 ° -121.636308 °	13
34	12.17	12.26	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.337567 ° -121.643538 °	38.336322 ° -121.643865 °	19
35	12.54	12.61	Earthen Levee	Crown Surface / Depressions / Rutting	CR	U	Regrade the crown roadway for proper drainage.	38.332288 ° -121.644640 °	38.331247 ° -121.644765 °	21 Y
36	12.94	13.57	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.326433 ° -121.644960 °	38.317400 ° -121.644920 °	24
37	13.37	13.37	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.320285 ° -121.644957 °	38.320285 ° -121.644957 °	37
38	13.48	13.48	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.318648 ° -121.644952 °	38.318648 ° -121.644952 °	38
39	15.07	15.07	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.295524 ° -121.644951 °	38.295524 ° -121.644951 °	32
40	15.28	15.42	Earthen Levee	Encroachments	LS	CO	Fences Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence.	38.292620 ° -121.644960 °	38.290525 ° -121.644902 °	39 Y
41	15.28	15.28	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.292544 ° -121.644960 °	38.292544 ° -121.644960 °	33

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.13
End Levee Mile	0.41
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at fill on waterside berm	
richard_f_20110922_463.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.13
End Levee Mile	0.41
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking east at fill on waterside	
richard_f_20110922_464.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.13
End Levee Mile	0.41
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at fill on waterside shoulder and slope.	
richard_f_20110922_465.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	1.75
End Levee Mile	1.77
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking east at overgrown trees on waterside slope and shoulder	
richard_f_20110922_466.jpg	



Levee Mile Report Line	3
Start Levee Mile	1.75
End Levee Mile	1.77
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking west at overgrown trees on waterside slope and toe.	
richard_f_20110922_467.jpg	



Levee Mile Report Line	8
Start Levee Mile	3.33
End Levee Mile	5.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at olive grove on waterside berm at upstream end.	
richard_f_20111014_599.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	3.33
End Levee Mile	5.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking west at olive grove on waterside berm.	
richard_f_20111014_600.jpg	



Levee Mile Report Line	8
Start Levee Mile	3.33
End Levee Mile	5.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at olive grove on waterside berm at downstream end.	
richard_f_20111014_601.jpg	



Levee Mile Report Line	9
Start Levee Mile	3.63
End Levee Mile	3.66
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking south at 130' long cracking on landside shoulder, slope, and crown	
richard_f_20110922_468.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	3.63
End Levee Mile	3.66
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking west at cracking on levee crown.	
richard_f_20110922_469.jpg	



Levee Mile Report Line	9
Start Levee Mile	3.63
End Levee Mile	3.66
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking west at 12 inch deep cracks along landside slope and crown.	
richard_f_20110922_470.jpg	



Levee Mile Report Line	9
Start Levee Mile	3.63
End Levee Mile	3.66
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking at cracks from 1 inch to 3 inches wide on levee crown.	
richard_f_20110922_471.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	3.63
End Levee Mile	3.66
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking at crack 16 inch wide

richard_f_20110922_472.jpg



Levee Mile Report Line	11
Start Levee Mile	4.15
End Levee Mile	4.21
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Pruning pile on waterside shoulder.

richard_f_20110922_473.jpg



Levee Mile Report Line	12
Start Levee Mile	4.17
End Levee Mile	4.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northeast at prunings along landside slope.

richard_f_20110922_474.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	17
Start Levee Mile	4.84
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_DWS_5-0_L_1.jpg	



Levee Mile Report Line	17
Start Levee Mile	4.84
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
USACE2011_DWS_5-0_L_2.jpg	



Levee Mile Report Line	17
Start Levee Mile	4.84
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
USACE2011_DWS_5-0_L_3.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	19
Start Levee Mile	6.55
End Levee Mile	6.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings along landside shoulder.	
richard_f_20110922_476.jpg	



Levee Mile Report Line	22
Start Levee Mile	8.17
End Levee Mile	8.17
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking west at concrete rubble on waterside berm.	
richard_f_20110922_479.jpg	



Levee Mile Report Line	23
Start Levee Mile	9.20
End Levee Mile	9.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at fence along landside shoulder.	
richard_f_20111014_616.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	23
Start Levee Mile	9.20
End Levee Mile	9.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at fence along landside shoulder.	
richard_f_20111014_617.jpg	



Levee Mile Report Line	29
Start Levee Mile	10.22
End Levee Mile	10.22
Location	Crown
Category	Earthen Levee
Item	Repair Gates
Looking southwest at damage area cause by low dragging gate.	
richard_f_20110922_480.jpg	



Levee Mile Report Line	29
Start Levee Mile	10.22
End Levee Mile	10.22
Location	Crown
Category	Earthen Levee
Item	Repair Gates
Looking west at gate with tee-post.	
richard_f_20110922_481.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	31
Start Levee Mile	10.58
End Levee Mile	10.58
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at garbage on waterside toe and berm.	
richard_f_20110922_482.jpg	



Levee Mile Report Line	32
Start Levee Mile	10.83
End Levee Mile	11.07
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Pine trees along waterside shoulder & slope. (Site of a old christmas tree farm).	
richard_f_20110922_478.jpg	



Levee Mile Report Line	35
Start Levee Mile	12.54
End Levee Mile	12.61
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Looking south at rutting on levee crown.	
richard_f_20110922_477.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/11/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	40
Start Levee Mile	15.28
End Levee Mile	15.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking south at fence along landside slope.

richard_f_20111014_618.jpg



Levee Mile Report Line	40
Start Levee Mile	15.28
End Levee Mile	15.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking north at fence along landside slope.

richard_f_20111014_619.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway		Bank	Unit Miles
Unit No. 02 Miner Slough		Right	2.32

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/7/2011 - 3/7/2011		10/11/2011 - 10/11/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.
- (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.05	Earthen Levee	Encroachments	LS	CO	Fences Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit to keep fence.	38.290355 ° -121.644713 °	38.290472 ° -121.643888 °	17 Y
2	0.03	0.06	Earthen Levee	Encroachments	WS	CO	Landscaping	38.290382 ° -121.644335 °	38.290502 ° -121.643745 °	1 Y
3	0.15	0.15	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	38.290798 ° -121.642082 °	38.290798 ° -121.642082 °	9 Y
4	0.23	0.23	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.290787 ° -121.640725 °	38.290787 ° -121.640725 °	12
5	0.83	0.83	Earthen Levee	Encroachments	LS	M	Prunings	38.292352 ° -121.630452 °	38.292352 ° -121.630452 °	13
6	0.92	1.02	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.291823 ° -121.628973 °	38.291250 ° -121.627285 °	2 Y
7	1.51	1.51	Earthen Levee	Encroachments	LS	CO	Tank	38.290945 ° -121.618362 °	38.290945 ° -121.618362 °	4 Y
8	1.66	1.68	Earthen Levee	Encroachments	LS	CO	Buildings	38.290287 ° -121.615668 °	38.290217 ° -121.615460 °	3 Y
9	1.66	1.66	Earthen Levee	Encroachments	LS	M	Tree or limb	38.290248 ° -121.615560 °	38.290248 ° -121.615560 °	5
10	1.66	1.66	Earthen Levee	Encroachments	WS	M	Prunings	38.290265 ° -121.615537 °	38.290265 ° -121.615537 °	14
11	1.69	1.69	Earthen Levee	Encroachments	LS	CO	Tank	38.290195 ° -121.615268 °	38.290195 ° -121.615268 °	10 Y
12	1.69	1.69	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.290171 ° -121.615260 °	38.290171 ° -121.615260 °	11
13	1.70	1.72	Earthen Levee	Encroachments	LS	CO	Landscaping	38.290026 ° -121.614942 °	38.289865 ° -121.614742 °	15 Y
14	1.72	1.75	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.289895 ° -121.614688 °	38.289595 ° -121.614337 °	8 Y
15	1.73	1.73	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level.	38.289755 ° -121.614653 °	38.289755 ° -121.614653 °	23 Y
16	1.79	1.92	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild roses and berry vines at landside toe.	38.289117 ° -121.613777 °	38.288717 ° -121.611618 °	6 Y
17	1.92	1.92	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	38.288713 ° -121.611620 °	38.288713 ° -121.611620 °	16

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	1.95	2.00	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	38.288700 ° -121.611105 °	38.288798 ° -121.610050 °	7

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at fence along landside shoulder.	
richard_f_20111014_623.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking west at fence along landside slope.	
richard_f_20111014_624.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.06
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking north at century plant on landside shoulder.	
richard_f_20110922_483.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.06
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking east at century plant on landside shoulder.

richard_f_20110922_484.jpg



Levee Mile Report Line	3
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking west at dense vegetation on landside toe.

richard_f_20110922_489.jpg



Levee Mile Report Line	6
Start Levee Mile	0.92
End Levee Mile	1.02
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking at several rodent holes on landside slope.

richard_f_20111014_620.jpg



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	1.51
End Levee Mile	1.51
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at tank on landside toe.

richard_f_20110922_487.jpg



Levee Mile Report Line	8
Start Levee Mile	1.66
End Levee Mile	1.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at building at landside toe.

richard_f_20110922_485.jpg



Levee Mile Report Line	8
Start Levee Mile	1.66
End Levee Mile	1.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at building at landside toe.

richard_f_20110922_486.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	1.69
End Levee Mile	1.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at tank on landside slope and toe.	
richard_f_20110922_490.jpg	



Levee Mile Report Line	13
Start Levee Mile	1.70
End Levee Mile	1.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southwes at dense veg. on landside toe.	
richard_f_20110922_491.jpg	



Levee Mile Report Line	14
Start Levee Mile	1.72
End Levee Mile	1.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at elderberry bush on landside shoulder and slope.	
richard_f_20110922_488.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	1.73
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Front view of overgrown fig tree on landside shoulder.

richard_f_20110922_492.jpg



Levee Mile Report Line	15
Start Levee Mile	1.73
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Side view of overgrown fig tree along landside shoulder.

richard_f_20110922_493.jpg



Levee Mile Report Line	15
Start Levee Mile	1.73
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dense vegetation on landside toe next to ramp.

richard_f_20110922_494.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	1.79
End Levee Mile	1.92
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking east at dense wild roses on landside toe.

richard_f_20111014_621.jpg



Levee Mile Report Line	16
Start Levee Mile	1.79
End Levee Mile	1.92
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking north at wild roses on landside toe.

richard_f_20111014_622.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 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)			M	
Date of Inspection	3/7/2011 - 3/7/2011		10/11/2011 - 10/11/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :
 DWR Summer/Winter Inspection Reports
 3310 El Camino Avenue, Suite 200
 Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 03 Sutter Slough				Right	3.74	10/11/2011 10/11/2011	Richard Willoughby			
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.01	Earthen Levee	Encroachments	LS	M	Prunings	38.286878 ° -121.605788 °	38.286878 ° -121.605788 °	10 Y
2	0.03	0.04	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.287145 ° -121.605572 °	38.287267 ° -121.605478 °	4 Y
3	0.04	0.05	Earthen Levee	Encroachments	LS	CO	Landscaping	38.287267 ° -121.605477 °	38.287395 ° -121.605378 °	5 Y
4	0.06	0.06	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.287540 ° -121.605283 °	38.287540 ° -121.605283 °	1 Y
5	0.09	0.09	Supplemental	USACE Erosion Survey	WS	M	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. 2011: No observed change. [2011 Site ID: STR_24-7_R]	38.289634 ° -121.604343 °	38.295505 ° -121.605648 °	29 Y
6	0.15	0.22	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild roses on landside toe.	38.288842 ° -121.604645 °	38.289705 ° -121.604508 °	9 Y
7	0.44	0.44	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	38.292748 ° -121.604972 °	38.292748 ° -121.604972 °	7 Y
8	0.64	0.64	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	38.295618 ° -121.605923 °	38.295618 ° -121.605923 °	8 Y
9	0.67	0.67	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.296022 ° -121.605889 °	38.296022 ° -121.605889 °	3
10	0.67	0.68	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	38.296073 ° -121.605872 °	38.296203 ° -121.605837 °	15
11	0.71	0.71	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.296632 ° -121.605692 °	38.296632 ° -121.605692 °	17
12	0.72	0.72	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.296716 ° -121.605700 °	38.296716 ° -121.605700 °	23
13	0.73	0.73	Earthen Levee	Encroachments	LS	W	Prunings	38.296942 ° -121.605528 °	38.296942 ° -121.605528 °	2 Y
14	0.89	0.89	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2011: No observed change. [2011 Site ID: STR_25-2_R]	38.299402 ° -121.603056 °	38.300542 ° -121.601118 °	30 Y

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.93	0.93	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild roses on landside slope.	38.299197 ° -121.603685 °	38.299197 ° -121.603685 °	6
16	1.31	1.31	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Toe scour along length of site and erosion pockets. [2011 Site ID: STR_25-7_R]	38.305229 ° -121.599933 °	38.306366 ° -121.598646 °	33 Y
17	1.49	1.49	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.306062 ° -121.599495 °	38.306062 ° -121.599495 °	11
18	1.52	1.52	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.306332 ° -121.599109 °	38.306332 ° -121.599109 °	12
19	1.56	1.58	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.306762 ° -121.598541 °	38.306948 ° -121.598320 °	13
20	1.67	1.67	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.308129 ° -121.598610 °	38.308129 ° -121.598610 °	14
21	1.96	1.96	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.311447 ° -121.597358 °	38.311447 ° -121.597358 °	20
22	2.02	2.02	Earthen Levee	Trim / Thin Trees	LS	U	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.311897 ° -121.596394 °	38.311897 ° -121.596394 °	21 Y
23	2.09	2.09	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.312470 ° -121.595433 °	38.312470 ° -121.595433 °	26
24	2.12	2.12	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.312839 ° -121.594936 °	38.312839 ° -121.594936 °	24
25	2.15	2.15	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.313099 ° -121.594568 °	38.313099 ° -121.594568 °	25
26	2.54	2.54	Earthen Levee	Encroachments	LS	M	Equipment	38.317840 ° -121.590895 °	38.317840 ° -121.590895 °	27 Y
27	2.69	2.74	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.319943 ° -121.590737 °	38.320670 ° -121.590802 °	32
28	2.70	2.72	Earthen Levee	Encroachments	LS	CO	Landscaping	38.320105 ° -121.590765 °	38.320340 ° -121.590730 °	16 Y
29	2.79	2.95	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.321244 ° -121.590969 °	38.323362 ° -121.590208 °	28
30	2.98	2.98	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: Multiple erosion pockets. Some likely from tree popouts. [2011 Site ID: STR_27-3_R]	38.323667 ° -121.588226 °	38.325592 ° -121.585925 °	34 Y
31	3.00	3.00	Earthen Levee	Encroachments	WS	W	Prunings	38.323712 ° -121.589255 °	38.323712 ° -121.589255 °	18

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
32	3.02	3.02	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.323770 ° -121.589035 °	38.323770 ° -121.589035 °	31
33	3.23	3.23	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.325534 ° -121.586273 °	38.325534 ° -121.586273 °	19
34	3.72	3.73	Earthen Levee	Encroachments	LS	CO	Landscaping	38.332045 ° -121.584835 °	38.332200 ° -121.584677 °	22 Y

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at pruning pile on landside slope.	
richard_f_20110922_505.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.04
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at dense trees on landside slope and toe.	
richard_f_20110922_497.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.04
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northwest at dense trees on landside slope and toe.	
richard_f_20110922_498.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.04
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at cactus on landside slope during 2011 spring inspection.	
richard_f_20110922_499.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.04
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at partially dead cactus plant on landside slope during 2011 fall inspection.	
richard_f_20111014_625.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at dense vegetation on landside slope near ramp.	
richard_f_20111014_626.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.09
End Levee Mile	0.09
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_STR_24-7_R_1.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.09
End Levee Mile	0.09
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
USACE2011_STR_24-7_R_2.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.09
End Levee Mile	0.09
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
USACE2011_STR_24-7_R_3.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.15
End Levee Mile	0.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at berry vines on landside toe.	
richard_f_20111014_627.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at elderberry bush on waterside slope.	
richard_f_20110922_500.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking north at elderberry bush on waterside slope.	
richard_f_20110922_501.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking south at thinned Elderberry on waterside slope.	
richard_f_20110922_502.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.64
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Elderberries blocking view of landside toe.	
richard_f_20110922_503.jpg	



Levee Mile Report Line	13
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at pruning pile on landside toe.	
richard_f_20110922_495.jpg	



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	13
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at pruning pile on landside toe.

richard_f_20110922_496.jpg



Levee Mile Report Line	14
Start Levee Mile	0.89
End Levee Mile	0.89
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_STR_25-2_R_1.jpg



Levee Mile Report Line	14
Start Levee Mile	0.89
End Levee Mile	0.89
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_STR_25-2_R_2.jpg



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	1.31
End Levee Mile	1.31
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_STR_25-7_R_1.jpg	



Levee Mile Report Line	22
Start Levee Mile	2.02
End Levee Mile	2.02
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at willow on landside slope and toe.	
richard_f_20110922_508.jpg	



Levee Mile Report Line	26
Start Levee Mile	2.54
End Levee Mile	2.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at equipment at landside toe.	
richard_f_20111014_628.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	28
Start Levee Mile	2.70
End Levee Mile	2.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at landscaping and dense veg. on landside slope and toe.	
richard_f_20110922_506.jpg	



Levee Mile Report Line	28
Start Levee Mile	2.70
End Levee Mile	2.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at landscaping and dense veg. on landside slope and toe.	
richard_f_20110922_507.jpg	



Levee Mile Report Line	30
Start Levee Mile	2.98
End Levee Mile	2.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_STR_27-3_R_1.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	30
Start Levee Mile	2.98
End Levee Mile	2.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
USACE2011_STR_27-3_R_2.jpg	



Levee Mile Report Line	30
Start Levee Mile	2.98
End Levee Mile	2.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
USACE2011_STR_27-3_R_3.jpg	



Levee Mile Report Line	30
Start Levee Mile	2.98
End Levee Mile	2.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #4	
USACE2011_STR_27-3_R_4.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/11/2011 10/11/2011	Richard Willoughby

Levee Mile Report Line	34
Start Levee Mile	3.72
End Levee Mile	3.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at landscaping on landside slope and toe.	
richard_f_20110922_509.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 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)			U	
Date of Inspection	3/9/2011 - 3/9/2011		10/13/2011 - 10/13/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	10/13/2011 10/13/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.24	Supplemental	USACE Erosion Survey	WS	M	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. 2011: No observed change. [2011 Site ID: SAC_41-9_R]	38.414387 ° -121.522871 °	38.417692 ° -121.525083 °	8 Y
2	0.05	0.05	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.414642 ° -121.523430 °	38.414642 ° -121.523430 °	15
3	0.05	0.11	Earthen Levee	Encroachments	LS	CO	Fences	38.414672 ° -121.523527 °	38.415468 ° -121.524037 °	13 Y
4	0.14	0.14	Earthen Levee	Encroachments	WS	W	Prunings	38.415843 ° -121.524163 °	38.415843 ° -121.524163 °	4
5	0.19	0.21	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.416518 ° -121.524502 °	38.416808 ° -121.524767 °	24
6	0.31	0.35	Earthen Levee	Encroachments	LS	CO	Landscaping	38.418002 ° -121.525712 °	38.418470 ° -121.526002 °	12 Y
7	0.37	0.48	Earthen Levee	Encroachments	LS	PO	Landscaping	38.418838 ° -121.526225 °	38.420237 ° -121.527193 °	11
8	0.37	0.50	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.418838 ° -121.526225 °	38.420447 ° -121.527380 °	10 Y
9	0.39	0.47	Earthen Levee	Encroachments	WS	CO	Landscaping	38.419137 ° -121.526280 °	38.420078 ° -121.526913 °	1
10	0.62	0.62	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.421997 ° -121.528470 °	38.421997 ° -121.528470 °	19
11	0.65	0.65	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.422377 ° -121.528792 °	38.422377 ° -121.528792 °	18
12	0.66	0.71	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.422517 ° -121.528858 °	38.423133 ° -121.529210 °	7
13	0.71	0.87	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.423035 ° -121.529255 °	38.425140 ° -121.530742 °	6 Y
14	0.75	0.75	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.423560 ° -121.529653 °	38.423560 ° -121.529653 °	17
15	0.82	0.82	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.424432 ° -121.530265 °	38.424432 ° -121.530265 °	14
16	0.83	0.83	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.424722 ° -121.530470 °	38.424722 ° -121.530470 °	9

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River		Right	1.22	10/13/2011 10/13/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	0.91	0.91	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.425607 ° -121.530937 °	38.425607 ° -121.530937 °	2
18	0.94	0.97	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.425972 ° -121.531228 °	38.426500 ° -121.531560 °	3
19	1.15	1.15	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berryvines and wild roses on landside toe.	38.428823 ° -121.532885 °	38.428823 ° -121.532885 °	5 Y

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	10/13/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.24
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_SAC_41-9_R_1.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.24
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
USACE2011_SAC_41-9_R_2.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.24
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
USACE2011_SAC_41-9_R_3.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	10/13/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.24
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #4	
USACE2011_SAC_41-9_R_4.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.05
End Levee Mile	0.11
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Cyclone fence along landside shoulder at LM 0.05 -0.11	
richard_f_20110922_518.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.31
End Levee Mile	0.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at dense veg on landside shoulder and slope.	
richard_f_20110922_516.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	10/13/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.31
End Levee Mile	0.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at dense veg on landside slope and toe.

richard_f_20110922_517.jpg



Levee Mile Report Line	8
Start Levee Mile	0.37
End Levee Mile	0.50
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking west at dense trees on waterside slope.

richard_f_20110922_514.jpg



Levee Mile Report Line	8
Start Levee Mile	0.37
End Levee Mile	0.50
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dense trees on landside slope and toe.

richard_f_20110922_515.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	10/13/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	13
Start Levee Mile	0.71
End Levee Mile	0.87
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking south at trimmed trees on landside slope and removed fence.	
richard_f_20110922_512.jpg	



Levee Mile Report Line	13
Start Levee Mile	0.71
End Levee Mile	0.87
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at trimmed trees and removed fence on landside slope.	
richard_f_20110922_513.jpg	



Levee Mile Report Line	19
Start Levee Mile	1.15
End Levee Mile	1.15
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense wild roses and berry vines on landside toe near ramp.	
richard_f_20111014_629.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	10/13/2011 10/13/2011	Richard Willoughby

Levee Mile Report Line	19
Start Levee Mile	1.15
End Levee Mile	1.15
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking north at dense vegetation on landside slope near ramp.	
richard_f_20111014_630.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles
Unit No. 05 Elk Slough	Right	9.66

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/8/2011 - 3/9/2011		10/11/2011 - 10/12/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.02	Earthen Levee	Encroachments	WS	M	Tree or limb Inspector Comments: Downed tree limb within the twenty foot zone on waterside slope.	38.332660 ° -121.584543 °	38.332660 ° -121.584543 °	46
2	0.12	9.50	Supplemental	USACE Erosion Survey	WS	W	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 oversteeped with erosion continuing. [2011 Site ID: ELK_0-2_R]	38.335616 ° -121.583615 °	38.414157 ° -121.523156 °	94 Y
3	0.20	0.20	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.335209 ° -121.583966 °	38.335209 ° -121.583966 °	4
4	0.27	0.32	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.336113 ° -121.583418 °	38.336663 ° -121.583027 °	1
5	0.35	0.35	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.337089 ° -121.582756 °	38.337089 ° -121.582756 °	5
6	0.40	0.40	Earthen Levee	Trim / Thin Trees	LS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.337654 ° -121.582427 °	38.337654 ° -121.582427 °	8 Y
7	0.40	0.41	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.337697 ° -121.582420 °	38.337963 ° -121.582352 °	3
8	0.40	0.40	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.337753 ° -121.582445 °	38.337753 ° -121.582445 °	53
9	0.43	0.47	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	38.338075 ° -121.582322 °	38.338688 ° -121.582193 °	25 Y
10	0.54	0.54	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.339732 ° -121.582083 °	38.339732 ° -121.582083 °	26
11	0.56	0.60	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.340124 ° -121.582039 °	38.340560 ° -121.581905 °	27
12	0.57	0.64	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.340070 ° -121.581980 °	38.341058 ° -121.581615 °	7
13	0.72	0.74	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level.	38.342180 ° -121.581230 °	38.342537 ° -121.581263 °	9 Y

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough				Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.78	0.94	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.343058 ° -121.581263 °	38.345210 ° -121.580713 °	10
15	0.84	0.94	Earthen Levee	Encroachments	LS	CO	Landscaping	38.343825 ° -121.581133 °	38.345215 ° -121.580728 °	11 Y
16	0.84	0.94	Earthen Levee	Encroachments	LS	CO	Landscaping	38.343863 ° -121.581198 °	38.345275 ° -121.580740 °	6 Y
17	0.95	1.09	Earthen Levee	Vegetation	WS	W	Remove the wild growth other than native grasses from the levee slopes.	38.345402 ° -121.580655 °	38.347133 ° -121.579573 °	13
18	1.11	1.15	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.347427 ° -121.579395 °	38.347863 ° -121.579113 °	14
19	1.17	1.17	Earthen Levee	Encroachments	WS	M	Tree or limb	38.348124 ° -121.578787 °	38.348124 ° -121.578787 °	28 Y
20	1.20	1.24	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.348237 ° -121.578440 °	38.348328 ° -121.577735 °	15
21	1.24	1.27	Earthen Levee	Encroachments	LS	CO	Fences Inspector Comments: Fence is located on Landside shoulder	38.348336 ° -121.577621 °	38.348332 ° -121.577172 °	76 Y
22	1.34	1.40	Earthen Levee	Encroachments	LS	CO	Landscaping	38.348267 ° -121.575802 °	38.348188 ° -121.574690 °	2 Y
23	1.34	1.34	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.348252 ° -121.575704 °	38.348252 ° -121.575704 °	36
24	1.51	1.88	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.348670 ° -121.573320 °	38.353852 ° -121.573570 °	18 Y
25	1.54	1.57	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.349152 ° -121.573493 °	38.349582 ° -121.573538 °	19
26	1.59	1.65	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.349835 ° -121.573643 °	38.350717 ° -121.573887 °	20
27	1.70	1.70	Earthen Levee	Encroachments	LS	M	Prunings	38.351450 ° -121.574020 °	38.351450 ° -121.574020 °	72
28	1.75	1.81	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.352088 ° -121.574052 °	38.352968 ° -121.574008 °	21
29	1.97	1.97	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Concrete rubble should be removed or broken up and spread out at waterward toe.	38.354888 ° -121.572540 °	38.354888 ° -121.572540 °	22 Y
30	2.06	2.06	Earthen Levee	Encroachments	WS	M	Material	38.355531 ° -121.571374 °	38.355531 ° -121.571374 °	80

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
31	2.20	2.22	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.355402 ° -121.568893 °	38.355282 ° -121.568547 °	24
32	2.33	2.35	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.354474 ° -121.566701 °	38.354555 ° -121.566191 °	40
33	2.41	2.53	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.354916 ° -121.565167 °	38.355982 ° -121.563561 °	42
34	2.65	2.70	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.357371 ° -121.562500 °	38.358132 ° -121.562347 °	82
35	2.76	2.76	Earthen Levee	Trim / Thin Trees	WS	W	Thin trees to allow visibility of the ground and room to flood fight.	38.358888 ° -121.562280 °	38.358888 ° -121.562280 °	73
36	2.93	3.19	Earthen Levee	Trim / Thin Trees	LS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.361268 ° -121.563263 °	38.364373 ° -121.561947 °	29
37	3.04	3.10	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.362813 ° -121.563332 °	38.363558 ° -121.563017 °	30
38	3.19	3.24	Earthen Levee	Encroachments	LS	CO	Landscaping	38.364392 ° -121.561882 °	38.364597 ° -121.561087 °	31 Y
39	3.20	3.20	Earthen Levee	Encroachments	LS	M	Tree or limb Inspector Comments: Down tree limb on landside shoulder within landscape area.	38.364480 ° -121.561610 °	38.364480 ° -121.561610 °	79
40	3.24	3.31	Earthen Levee	Encroachments	WS	M	Prunings	38.364585 ° -121.561047 °	38.364503 ° -121.559880 °	32
41	3.29	3.37	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.364552 ° -121.560137 °	38.364225 ° -121.558852 °	33
42	3.50	3.53	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.364113 ° -121.556507 °	38.364542 ° -121.556402 °	34
43	3.61	3.71	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	38.365678 ° -121.556693 °	38.367087 ° -121.556725 °	12
44	3.62	3.72	Earthen Levee	Encroachments	LS	CO	Fences	38.365711 ° -121.556714 °	38.367107 ° -121.556745 °	83 Y
45	3.70	3.70	Earthen Levee	Encroachments	LS	M	Equipment	38.366958 ° -121.556822 °	38.366958 ° -121.556822 °	16 Y
46	3.75	3.83	Earthen Levee	Encroachments	WS	CO	Fences	38.367500 ° -121.556478 °	38.367997 ° -121.555348 °	85 Y
47	3.79	3.95	Earthen Levee	Encroachments	LS	CO	Fences	38.367644 ° -121.556012 °	38.368288 ° -121.553118 °	84
48	3.93	3.93	Earthen Levee	Encroachments	WS	M	Prunings	38.368253 ° -121.553280 °	38.368253 ° -121.553280 °	23

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
49	3.95	3.95	Earthen Levee	Encroachments	LS	M	Garbage	38.368307 ° -121.552955 °	38.368307 ° -121.552955 °	17 Y
50	4.05	4.12	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.369440 ° -121.552747 °	38.370398 ° -121.553373 °	41 Y
51	4.30	4.30	Earthen Levee	Encroachments	WS	U	Prunings	38.372672 ° -121.552380 °	38.372672 ° -121.552380 °	35 Y
52	4.37	4.37	Earthen Levee	Encroachments	WS	M	Prunings	38.373517 ° -121.551867 °	38.373517 ° -121.551867 °	55 Y
53	4.38	4.41	Earthen Levee	Encroachments	LS	CO	Landscaping	38.373625 ° -121.551787 °	38.373907 ° -121.551607 °	44 Y
54	4.42	4.43	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.374160 ° -121.551408 °	38.374410 ° -121.551157 °	45
55	4.43	4.43	Earthen Levee	Encroachments	LS	CO	Landscaping	38.374410 ° -121.551173 °	38.374410 ° -121.551173 °	56
56	4.44	4.52	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.374393 ° -121.551187 °	38.375008 ° -121.550085 °	37
57	4.48	4.53	Earthen Levee	Trim / Thin Trees	LS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.374866 ° -121.550491 °	38.375061 ° -121.549800 °	57
58	4.55	4.61	Earthen Levee	Trim / Thin Trees	LS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.375072 ° -121.549547 °	38.375057 ° -121.548357 °	47
59	4.57	4.68	Earthen Levee	Trim / Thin Trees	WS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.375099 ° -121.549068 °	38.375211 ° -121.547158 °	58
60	4.59	4.72	Earthen Levee	Trim / Thin Trees	LS	U	Thin trees to allow visibility of the ground and room to flood fight.	38.375055 ° -121.548792 °	38.375313 ° -121.546438 °	38 Y
61	4.60	4.66	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.375050 ° -121.548717 °	38.375077 ° -121.547512 °	49
62	4.61	4.84	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.375007 ° -121.548405 °	38.376330 ° -121.544480 °	39
63	4.73	4.73	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.375360 ° -121.546291 °	38.375360 ° -121.546291 °	62
64	4.73	4.73	Earthen Levee	Encroachments	LS	M	Tree or limb	38.375373 ° -121.546200 °	38.375373 ° -121.546200 °	50
65	4.75	4.82	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.375418 ° -121.546043 °	38.375989 ° -121.544934 °	52
66	4.76	4.79	Earthen Levee	Trim / Thin Trees	WS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.375566 ° -121.545676 °	38.375775 ° -121.545255 °	63

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 05 Elk Slough				Right	9.66	10/11/2011 10/12/2011	Richard Willoughby			
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
67	4.86	4.86	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.376432 ° -121.544382 °	38.376432 ° -121.544382 °	64
68	4.89	4.89	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.376717 ° -121.544017 °	38.376717 ° -121.544017 °	54
69	5.16	5.16	Earthen Levee	Encroachments	LS	M	Prunings	38.379752 ° -121.541048 °	38.379752 ° -121.541048 °	65 Y
70	5.20	5.20	Earthen Levee	Encroachments	WS	M	Prunings	38.380347 ° -121.541160 °	38.380347 ° -121.541160 °	113
71	5.47	5.61	Earthen Levee	Encroachments	WS	CO	Fences	38.381490 ° -121.545477 °	38.383185 ° -121.546877 °	51
72	5.47	5.47	Earthen Levee	Encroachments	LS	CO	Fences	38.381515 ° -121.545492 °	38.381515 ° -121.545492 °	77
73	5.51	5.53	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.381815 ° -121.546058 °	38.382137 ° -121.546338 °	43
74	5.55	5.55	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.382454 ° -121.546579 °	38.382454 ° -121.546579 °	67
75	5.57	5.57	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.382553 ° -121.546651 °	38.382553 ° -121.546651 °	68
76	5.57	5.57	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.382698 ° -121.546711 °	38.382698 ° -121.546711 °	70
77	5.59	5.64	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.382790 ° -121.546754 °	38.383548 ° -121.546728 °	71
78	5.90	5.94	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.384718 ° -121.542590 °	38.384930 ° -121.541883 °	48
79	5.95	5.95	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.384867 ° -121.541845 °	38.384867 ° -121.541845 °	59
80	6.20	6.34	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.387825 ° -121.542335 °	38.389775 ° -121.542687 °	60
81	6.23	6.34	Earthen Levee	Encroachments	WS	W	Prunings	38.388165 ° -121.542647 °	38.389695 ° -121.542778 °	100
82	6.30	6.34	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.389116 ° -121.542986 °	38.389766 ° -121.542673 °	74
83	6.30	6.34	Earthen Levee	Crown Surface / Depressions / Rutting	CR	W	Regrade the crown roadway for proper drainage.	38.389182 ° -121.542982 °	38.389725 ° -121.542732 °	115
84	6.44	6.52	Earthen Levee	Trim / Thin Trees	LS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.390541 ° -121.541360 °	38.391396 ° -121.540038 °	75

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
85	6.58	6.58	Earthen Levee	Encroachments	LS	M	Prunings	38.391776 ° -121.539295 °	38.391776 ° -121.539295 °	92 Y
86	6.78	6.81	Earthen Levee	Encroachments	LS	CO	Landscaping	38.394491 ° -121.539427 °	38.394991 ° -121.539333 °	93 Y
87	6.83	6.83	Earthen Levee	Encroachments	LS	M	Material Inspector Comments: Firewood on landside shoulder	38.395234 ° -121.539323 °	38.395234 ° -121.539323 °	96 Y
88	6.85	6.85	Earthen Levee	Encroachments	WS	M	Tree or limb Inspector Comments: Large tree limb on waterside shoulder and slope.	38.395465 ° -121.539250 °	38.395465 ° -121.539250 °	61 Y
89	7.57	7.57	Earthen Levee	Encroachments	WS	W	Prunings	38.403443 ° -121.540007 °	38.403443 ° -121.540007 °	116
90	7.65	7.69	Earthen Levee	Encroachments	LS	CO	Landscaping	38.403895 ° -121.541113 °	38.404145 ° -121.541835 °	66 Y
91	7.66	7.68	Earthen Levee	Encroachments	WS	CO	Fences	38.403808 ° -121.541354 °	38.403976 ° -121.541661 °	99
92	8.11	8.11	Earthen Levee	Encroachments	WS	W	Prunings	38.408948 ° -121.541937 °	38.408948 ° -121.541937 °	81
93	8.12	8.12	Earthen Levee	Trim / Thin Trees	WS	C	Tree stumps.	38.409018 ° -121.541737 °	38.409018 ° -121.541737 °	86
94	8.19	8.22	Earthen Levee	Encroachments	LS	CO	Landscaping	38.409532 ° -121.540667 °	38.409760 ° -121.540080 °	87
95	8.19	8.19	Earthen Levee	Encroachments	WS	W	Prunings	38.409532 ° -121.540665 °	38.409532 ° -121.540665 °	88
96	8.27	8.27	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.409855 ° -121.539382 °	38.409855 ° -121.539382 °	117
97	8.36	8.36	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.409665 ° -121.537898 °	38.409665 ° -121.537898 °	118
98	8.37	8.37	Earthen Levee	Encroachments	WS	W	Prunings	38.409580 ° -121.537587 °	38.409580 ° -121.537587 °	119
99	8.40	8.45	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.409467 ° -121.537157 °	38.409145 ° -121.536390 °	120
100	8.45	9.61	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.409445 ° -121.536980 °	38.413717 ° -121.523813 °	69
101	8.50	8.50	Earthen Levee	Encroachments	WS	W	Prunings Inspector Comments: Garbage within prunings pile.	38.408763 ° -121.535609 °	38.408763 ° -121.535609 °	89

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 05 Elk Slough				Right	9.66	10/11/2011 10/12/2011	Richard Willoughby			
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
102	8.57	8.61	Earthen Levee	Encroachments	LS	CO	Fences Inspector Comments: Fence installed without CVFPB permit in 2008. Fence extends from landside toe to landside shoulder.	38.408586 ° -121.534992 °	38.408748 ° -121.534437 °	101 Y
103	8.57	8.57	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	38.408688 ° -121.534367 °	38.408688 ° -121.534367 °	106
104	8.61	8.61	Earthen Levee	Encroachments	WS	M	Tree or limb	38.409101 ° -121.533881 °	38.409101 ° -121.533881 °	90
105	8.62	8.65	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	38.409116 ° -121.533738 °	38.409500 ° -121.533443 °	102
106	8.64	8.64	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.409378 ° -121.533608 °	38.409378 ° -121.533608 °	78
107	8.66	8.66	Earthen Levee	Encroachments	WS	W	Tree or limb	38.409637 ° -121.533312 °	38.409637 ° -121.533312 °	121
108	8.67	8.67	Earthen Levee	Encroachments	LS	W	Tree or limb	38.409700 ° -121.533217 °	38.409700 ° -121.533217 °	122
109	8.69	8.69	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.409913 ° -121.532988 °	38.409913 ° -121.532988 °	105
110	8.72	8.72	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.410283 ° -121.532353 °	38.410283 ° -121.532353 °	126
111	8.74	8.74	Earthen Levee	Encroachments	CR	CO	Fences	38.410332 ° -121.532277 °	38.410332 ° -121.532277 °	103 Y
112	8.75	8.77	Earthen Levee	Trim / Thin Trees	LS	W	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.410368 ° -121.532147 °	38.410595 ° -121.531672 °	123
113	8.78	8.78	Earthen Levee	Encroachments	CR	CO	Fences	38.410344 ° -121.532074 °	38.410344 ° -121.532074 °	104 Y
114	8.89	8.89	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.411567 ° -121.529902 °	38.411567 ° -121.529902 °	91
115	8.90	8.90	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.411760 ° -121.530008 °	38.411760 ° -121.530008 °	107
116	8.93	8.93	Earthen Levee	Encroachments	WS	M	Prunings	38.412053 ° -121.529752 °	38.412053 ° -121.529752 °	108
117	9.04	9.04	Earthen Levee	Encroachments	WS	M	Prunings	38.413508 ° -121.529743 °	38.413508 ° -121.529743 °	124
118	9.05	9.08	Earthen Levee	Encroachments	LS	CO	Landscaping	38.413780 ° -121.529727 °	38.414138 ° -121.529772 °	127
119	9.26	9.26	Earthen Levee	Encroachments	LS	W	Prunings	38.416027 ° -121.528243 °	38.416027 ° -121.528243 °	95

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
120	9.33	9.35	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.415495 ° -121.527217 °	38.415278 ° -121.527005 °	109
121	9.42	9.47	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.414550 ° -121.526398 °	38.413940 ° -121.525902 °	110
122	9.47	9.47	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Cacuts on landside slope.	38.413807 ° -121.525740 °	38.413807 ° -121.525740 °	111
123	9.49	9.52	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.413673 ° -121.525558 °	38.413412 ° -121.525190 °	112
124	9.56	9.59	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.413338 ° -121.524568 °	38.413643 ° -121.523800 °	114
125	9.59	9.59	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.413522 ° -121.524018 °	38.413522 ° -121.524018 °	125

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.12
End Levee Mile	9.50
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
USACE2011_ELK_0-2_R_1.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at dense veg. on landside slope and toe.	
richard_f_20110922_522.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.43
End Levee Mile	0.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense vegetation on landside slope and toe.	
richard_f_20110922_530.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	0.43
End Levee Mile	0.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southwest at dense berryvines on landside toe.

richard_f_20110922_531.jpg



Levee Mile Report Line	13
Start Levee Mile	0.72
End Levee Mile	0.74
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Front view of dense trees at landside shoulder.

richard_f_20110922_523.jpg



Levee Mile Report Line	13
Start Levee Mile	0.72
End Levee Mile	0.74
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking west at dense trees on landside slope and toe.

richard_f_20110922_524.jpg



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	0.84
End Levee Mile	0.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of landscaping (Ivy) blocking view of landside slope from LM 0.84 to 0.94	
richard_f_20110922_525.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.84
End Levee Mile	0.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of landscaping (Ivy) looking upstream from LM 0.84 to 0.94	
richard_f_20110922_526.jpg	



Levee Mile Report Line	16
Start Levee Mile	0.84
End Levee Mile	0.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at dense landscaping on landside slope.	
richard_f_20111014_631.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	19
Start Levee Mile	1.17
End Levee Mile	1.17
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at a fallen limb on waterside slope and shoulder.	
richard_f_20110922_532.jpg	



Levee Mile Report Line	21
Start Levee Mile	1.24
End Levee Mile	1.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at fence along landside slope.	
richard_f_20111014_632.jpg	



Levee Mile Report Line	22
Start Levee Mile	1.34
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at overgrown landscaping on landside slope.	
richard_f_20110922_520.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	22
Start Levee Mile	1.34
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at overgrown landscaping on landside slope.	
richard_f_20110922_521.jpg	



Levee Mile Report Line	24
Start Levee Mile	1.51
End Levee Mile	1.88
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Front view of dense trees along waterside slope.	
richard_f_20110922_527.jpg	



Levee Mile Report Line	24
Start Levee Mile	1.51
End Levee Mile	1.88
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Side view of dense trees along waterside slope.	
richard_f_20110922_528.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	29
Start Levee Mile	1.97
End Levee Mile	1.97
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Concrete rubble on waterside sholder at LM 1.97	
richard_f_20110922_529.jpg	



Levee Mile Report Line	38
Start Levee Mile	3.19
End Levee Mile	3.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking downstream of landscaping blocking view of landside slope from LM 3.19 to 3.24	
richard_f_20110922_533.jpg	



Levee Mile Report Line	44
Start Levee Mile	3.62
End Levee Mile	3.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at fence along waterside shoulder.	
richard_f_20111014_633.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	45
Start Levee Mile	3.70
End Levee Mile	3.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at equipment at landside toe.

richard_f_20111014_634.jpg



Levee Mile Report Line	45
Start Levee Mile	3.70
End Levee Mile	3.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at equipment on landside toe.

richard_f_20111014_635.jpg



Levee Mile Report Line	46
Start Levee Mile	3.75
End Levee Mile	3.83
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking north at fence along landside shoulder.

richard_f_20111014_636.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	49
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at garbage on landside toe and berm.

richard_f_20111014_637.jpg



Levee Mile Report Line	50
Start Levee Mile	4.05
End Levee Mile	4.12
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at overgrown trees on waterside slope.

richard_f_20110922_534.jpg



Levee Mile Report Line	51
Start Levee Mile	4.30
End Levee Mile	4.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking northeast at larger pruning pile on waterside shoulder.

richard_f_20111014_643.jpg



<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	52
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at down tree on waterside slope.	
richard_f_20110922_536.jpg	



Levee Mile Report Line	53
Start Levee Mile	4.38
End Levee Mile	4.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Overgrown landscaping on landside slope blocking view of slope from LM 4.38 to 4.41	
richard_f_20110922_535.jpg	



Levee Mile Report Line	60
Start Levee Mile	4.59
End Levee Mile	4.72
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northwest at dense trees on landside slope.	
richard_f_20111014_638.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	60
Start Levee Mile	4.59
End Levee Mile	4.72
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking west at dense trees on landside slope.	
richard_f_20111014_639.jpg	



Levee Mile Report Line	69
Start Levee Mile	5.16
End Levee Mile	5.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at prunings on landside shoulder and slope.	
richard_f_20110922_537.jpg	



Levee Mile Report Line	69
Start Levee Mile	5.16
End Levee Mile	5.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at pruning pile on landside slope.	
richard_f_20110922_538.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	85
Start Levee Mile	6.58
End Levee Mile	6.58
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at pruning pile on landside slope.	
richard_f_20110922_542.jpg	



Levee Mile Report Line	86
Start Levee Mile	6.78
End Levee Mile	6.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at overgrown landscape on landside slope and toe.	
richard_f_20110922_543.jpg	



Levee Mile Report Line	87
Start Levee Mile	6.83
End Levee Mile	6.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fence, Firewood and material at landside shoulder.	
richard_f_20110922_544.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	87
Start Levee Mile	6.83
End Levee Mile	6.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at firewood and other material on landside shoulder and crown.	
richard_f_20111014_640.jpg	



Levee Mile Report Line	87
Start Levee Mile	6.83
End Levee Mile	6.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at firewood and other material on landside shoulder and crown.	
richard_f_20111014_641.jpg	



Levee Mile Report Line	88
Start Levee Mile	6.85
End Levee Mile	6.85
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at tree limbs on waterside shoulder.	
richard_f_20111014_642.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	90
Start Levee Mile	7.65
End Levee Mile	7.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscaping on landside slope blocking view of slope from LM 7.65 to 7.72	
richard_f_20110922_539.jpg	



Levee Mile Report Line	90
Start Levee Mile	7.65
End Levee Mile	7.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at overgrown landscape on landside slope.	
richard_f_20110922_540.jpg	



Levee Mile Report Line	102
Start Levee Mile	8.57
End Levee Mile	8.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments
New installed unauthorized fence at landside slope and shoulder.	
richard_f_20110922_549.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

Levee Mile Report Line	111
Start Levee Mile	8.74
End Levee Mile	8.74
Location	Crown
Category	Earthen Levee
Item	Encroachments
New unauthorized fence that extend from landside toe to waterside toe.	
richard_f_20110922_550.jpg	



Levee Mile Report Line	111
Start Levee Mile	8.74
End Levee Mile	8.74
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of fence & gate across levee crown, landside & waterside slope.	
richard_f_20110922_551.jpg	



Levee Mile Report Line	113
Start Levee Mile	8.78
End Levee Mile	8.78
Location	Crown
Category	Earthen Levee
Item	Encroachments
New unauthorized fence and gate that extend from landside toe across levee crown to waterside toe.	
richard_f_20110922_552.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/11/2011 10/12/2011	Richard Willoughby

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor</p>	<p>N : Not Inspected, see Inspector Comment C : Corrected</p>
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