

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Spring 2010 Levee Inspection Results**

Reclamation District No. 0999 Netherlands

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

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

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

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 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)				
Date of Inspection	3/23/2010 - 3/23/2010			
DWR Inspector	Richard Willoughby			
Accompanied By	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, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	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	0.21	15.42	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.502240 ° -121.582050 °	38.290563 ° -121.644945 °	3
3	0.21	15.42	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.502237 ° -121.582050 °	38.290563 ° -121.644945 °	2
4	0.44	0.44	Earthen Levee	Encroachments	WS	M	Garbage	38.498954 ° -121.581916 °	38.498954 ° -121.581916 °	13 Y
5	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
6	1.78	1.78	Earthen Levee	Encroachments	LS	M	Garbage Inspector Comments: Material should be removed or spread out along slope. Garage has been added to material pile.	38.479647 ° -121.580905 °	38.479647 ° -121.580905 °	5 Y
7	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
8	1.90	1.96	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.477867 ° -121.580702 °	38.476985 ° -121.580640 °	6
9	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
10	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
11	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
12	4.15	4.21	Earthen Levee	Encroachments	WS	M	Prunings	38.447017 ° -121.593338 °	38.446288 ° -121.593657 °	9 Y
13	4.17	4.18	Earthen Levee	Encroachments	LS	M	Prunings	38.446787 ° -121.593433 °	38.446653 ° -121.593492 °	10 Y
14	4.18	4.18	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.446619 ° -121.593442 °	38.446619 ° -121.593442 °	14
15	4.19	4.19	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.446478 ° -121.593508 °	38.446478 ° -121.593508 °	15
16	4.24	4.28	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.445842 ° -121.593857 °	38.445268 ° -121.594118 °	11
17	4.57	4.61	Earthen Levee	Encroachments	WS	C	Prunings Inspector Comments: Firewood & Pruning shoulder & slope.	38.441270 ° -121.595962 °	38.440775 ° -121.596188 °	12

*** Location**
 LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 PO : Partially Obstructing
 CO : Completely Obstructing
 N : Not Inspected
 C : Corrected
 W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	4.58	4.58	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.441063 ° -121.596038 °	38.441063 ° -121.596038 °	16
19	4.61	4.61	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.440748 ° -121.596187 °	38.440748 ° -121.596187 °	17
20	4.85	4.85	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 1.3 ft/s [2009 SiteID:DWS_5-0_L]	38.437506 ° -121.597708 °	38.437422 ° -121.597744 °	34
21	4.85	4.86	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 1.3 ft/s [2009 SiteID:DWS_5-01_L]	38.437406 ° -121.597758 °	38.437297 ° -121.597803 °	35
22	5.30	5.30	Earthen Levee	Encroachments	WS	M	Tree or limb	38.431318 ° -121.600564 °	38.431318 ° -121.600564 °	19 Y
23	5.89	6.47	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.423306 ° -121.604277 °	38.415299 ° -121.607979 °	21
24	6.55	6.60	Earthen Levee	Encroachments	LS	M	Prunings	38.414367 ° -121.608430 °	38.413698 ° -121.608762 °	18 Y
25	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
26	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
27	9.20	9.27	Earthen Levee	Encroachments	LS	PO	Fences	38.378161 ° -121.625181 °	38.377261 ° -121.625619 °	918
28	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
29	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
30	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
31	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
32	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

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

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
33	10.58	10.58	Earthen Levee	Encroachments	WS	U	Garbage	38.359305 ° -121.633949 °	38.359305 ° -121.633949 °	28 Y
34	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
35	10.87	11.23	Earthen Levee	Encroachments	LS	M	Tree or limb	38.355450 ° -121.635867 °	38.350571 ° -121.638002 °	24 Y
36	11.91	12.23	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.341174 ° -121.642311 °	38.336717 ° -121.643772 °	921 Y
37	12.54	12.86	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.332353 ° -121.644629 °	38.327644 ° -121.644973 °	922
38	13.07	13.85	Earthen Levee	Crown Surface / Depressions / Rutting	CR	U	Regrade the crown roadway for proper drainage.	38.324669 ° -121.644957 °	38.313262 ° -121.644958 °	923 Y
39	14.23	15.17	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.307759 ° -121.644940 °	38.294140 ° -121.644955 °	29
40	15.07	15.07	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.295524 ° -121.644951 °	38.295524 ° -121.644951 °	32
41	15.28	15.28	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.292544 ° -121.644960 °	38.292544 ° -121.644960 °	33
42	15.32	15.32	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.291987 ° -121.644961 °	38.291987 ° -121.644961 °	924

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	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_s_20100408_166.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_s_20100408_167.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_s_20100408_168.jpg	



*** Location**

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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking north at garbage on waterside shoulder	
richard_s_20100408_169.jpg	



Levee Mile Report Line	5
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_s_20100316_096.jpg	



Levee Mile Report Line	5
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_s_20100316_097.jpg	



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Material pile on landside shoulder at LM 1.78	
richard_s_20100316_098.jpg	



Levee Mile Report Line	6
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at garbage pile on landside shoulder.	
richard_s_20100316_099.jpg	



Levee Mile Report Line	6
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east on garbage on landside shoulder and slope next to ramp.	
richard_s_20100408_170.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	4.15
End Levee Mile	4.21
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Pruning pile on waterside shoulder.	
richard_s_20100316_100.jpg	



Levee Mile Report Line	13
Start Levee Mile	4.17
End Levee Mile	4.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings on waterside shoulder, slope & toe.	
richard_s_20100316_101.jpg	



Levee Mile Report Line	22
Start Levee Mile	5.30
End Levee Mile	5.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking west at large tree limb on waterside slope.	
richard_s_20100408_171.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

Levee Mile Report Line	24
Start Levee Mile	6.55
End Levee Mile	6.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings along landside shoulder.	
richard_s_20100316_104.jpg	



Levee Mile Report Line	26
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_s_20100408_172.jpg	



Levee Mile Report Line	33
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_s_20100408_173.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 N : Not Inspected</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

Levee Mile Report Line	34
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_s_20100316_105.jpg	



Levee Mile Report Line	35
Start Levee Mile	10.87
End Levee Mile	11.23
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Tree limbs along landside slope & toe.	
richard_s_20100316_106.jpg	



Levee Mile Report Line	36
Start Levee Mile	11.91
End Levee Mile	12.23
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Vehicle ruts along crown road way.	
richard_s_20100316_107.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	03/23/2010 03/23/2010	Richard Willoughby

Levee Mile Report Line	38
Start Levee Mile	13.07
End Levee Mile	13.85
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Deep (7" deep) rutting along crown roadway.	
richard_s_20100316_108.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 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)				
Date of Inspection	3/23/2010 - 3/24/2010			
DWR Inspector	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, Room LL-30
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 02 Miner Slough				Right	2.32	03/23/2010 03/24/2010	Richard Willoughby			
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	2.31	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.290357 ° -121.644729 °	38.286717 ° -121.605978 °	5
2	0.01	2.31	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.290357 ° -121.644729 °	38.286718 ° -121.605977 °	3
3	0.03	0.06	Earthen Levee	Encroachments	WS	PO	Landscaping	38.290382 ° -121.644335 °	38.290502 ° -121.643745 °	1
4	0.17	0.23	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.290821 ° -121.641831 °	38.290779 ° -121.640672 °	19
5	0.24	0.24	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.290727 ° -121.640389 °	38.290727 ° -121.640389 °	20
6	0.53	0.53	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.291445 ° -121.635386 °	38.291445 ° -121.635386 °	12
7	0.76	0.76	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.292623 ° -121.631762 °	38.292623 ° -121.631762 °	21
8	0.83	0.83	Earthen Levee	Trim / Thin Trees	LS	U	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.292383 ° -121.630476 °	38.292383 ° -121.630476 °	2 Y
9	0.86	0.90	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.292221 ° -121.629949 °	38.291899 ° -121.629202 °	13
10	0.93	0.96	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.291577 ° -121.628803 °	38.291372 ° -121.628273 °	22 Y
11	1.09	1.13	Earthen Levee	Trim / Thin Trees	WS	U	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.291070 ° -121.625904 °	38.291059 ° -121.625295 °	4 Y
12	1.66	1.66	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.290342 ° -121.615698 °	38.290342 ° -121.615698 °	6
13	1.69	1.69	Earthen Levee	Encroachments	LS	PO	Tank	38.290195 ° -121.615268 °	38.290195 ° -121.615268 °	10 Y
14	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
15	1.70	1.72	Earthen Levee	Encroachments	LS	PO	Landscaping	38.290026 ° -121.614942 °	38.289865 ° -121.614742 °	15 Y
16	1.72	1.74	Earthen Levee	Trim / Thin Trees	WS	U	Trim trees to at least five feet above ground level.	38.289927 ° -121.614735 °	38.289740 ° -121.614497 °	7 Y
17	1.72	1.75	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	38.289895 ° -121.614688 °	38.289595 ° -121.614337 °	8 Y

*** Location**
 LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable PO : Partially Obstructing C : Corrected
 M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
 U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough				Right	2.32	03/23/2010 03/24/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	1.73	1.73	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.289755 ° -121.614653 °	38.289755 ° -121.614653 °	23 Y
19	1.77	1.80	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	38.289388 ° -121.614093 °	38.289057 ° -121.613660 °	9
20	2.05	2.07	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.288795 ° -121.609295 °	38.288737 ° -121.608835 °	24
21	2.05	2.05	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.288852 ° -121.609203 °	38.288852 ° -121.609203 °	16

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

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	03/23/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at dense veg on landside slope and toe.	
richard_s_20100408_174.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking west at dense trees on landside slope and toe.	
richard_s_20100408_175.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.93
End Levee Mile	0.96
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at dense veg. on landside slope and toe.	
richard_s_20100408_178.jpg	



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
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CO : Completely Obstructing
N : Not Inspected
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W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	03/23/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	1.09
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northeast at dense veg. on waterside slope.	
richard_s_20100408_176.jpg	



Levee Mile Report Line	13
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_s_20100408_177.jpg	



Levee Mile Report Line	15
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_s_20100408_181.jpg	



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

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	03/23/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	1.72
End Levee Mile	1.74
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northeast at dense veg. on waterside slope.	
richard_s_20100408_179.jpg	



Levee Mile Report Line	17
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_s_20100408_180.jpg	



Levee Mile Report Line	18
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_s_20100316_109.jpg	



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	03/23/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	18
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_s_20100316_110.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Reclamation District No. 0999 Netherlands

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

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/24/2010 - 3/24/2010			
DWR Inspector	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, Room LL-30
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2010 03/24/2010	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	3.73	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.286881 ° -121.605789 °	38.332197 ° -121.584681 °	1
2	0.01	3.73	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.286882 ° -121.605788 °	38.332199 ° -121.584680 °	2
3	0.03	0.04	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level.	38.287145 ° -121.605572 °	38.287267 ° -121.605478 °	4 Y
4	0.04	0.05	Earthen Levee	Encroachments	LS	CO	Landscaping	38.287267 ° -121.605477 °	38.287395 ° -121.605378 °	5 Y
5	0.22	0.63	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 5 ft berm, 1.5:1 slope, tree hazards and holes, clays and silts, 4.73 ft/s [2009 SiteID:STR_24-7_R]	38.295514 ° -121.605586 °	38.289633 ° -121.604344 °	29 Y
6	0.44	0.44	Earthen Levee	Vegetation	WS	U	Elderberries are blocking visibility and flood fight capability.	38.292748 ° -121.604972 °	38.292748 ° -121.604972 °	7 Y
7	0.64	0.64	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	38.295618 ° -121.605923 °	38.295618 ° -121.605923 °	8 Y
8	0.67	0.67	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.296022 ° -121.605889 °	38.296022 ° -121.605889 °	3
9	0.69	0.69	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Regrade the crown roadway for proper drainage.	38.296232 ° -121.605822 °	38.296232 ° -121.605822 °	970
10	0.72	0.72	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.296716 ° -121.605700 °	38.296716 ° -121.605700 °	23
11	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
12	0.93	0.93	Earthen Levee	Encroachments	LS	M	Prunings	38.299198 ° -121.603681 °	38.299198 ° -121.603681 °	9
13	0.94	0.94	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.299352 ° -121.603475 °	38.299352 ° -121.603475 °	10
14	0.96	1.10	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 1:1 slope, tree hazards, clays and silts, 4.64 ft/s [2009 SiteID:STR_25-2_R]	38.300486 ° -121.601056 °	38.299403 ° -121.603056 °	30 Y
15	1.49	1.49	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.306062 ° -121.599495 °	38.306062 ° -121.599495 °	11
16	1.52	1.52	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.306332 ° -121.599109 °	38.306332 ° -121.599109 °	12

*** Location**
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 CR : Crown

**** Rating**
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2010 03/24/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	1.56	1.61	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 °	38.307427 ° -121.598198 °	13
18	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
19	1.82	1.82	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.310177 ° -121.599183 °	38.310177 ° -121.599183 °	15
20	1.96	1.97	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.311457 ° -121.597321 °	38.311555 ° -121.597062 °	20
21	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
22	2.12	2.12	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.312839 ° -121.594936 °	38.312839 ° -121.594936 °	24
23	2.15	2.15	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.313099 ° -121.594568 °	38.313099 ° -121.594568 °	25
24	2.28	2.28	Earthen Levee	Encroachments	LS	U	Tree or limb Inspector Comments: Fallen tree should be removed and hole left by fallen tree should be re-compacted according to Title 23 standards.	38.314400 ° -121.592987 °	38.314400 ° -121.592987 °	26 Y
25	2.66	2.75	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.319406 ° -121.590761 °	38.320690 ° -121.590820 °	27
26	2.70	2.72	Earthen Levee	Encroachments	LS	CO	Landscaping	38.320105 ° -121.590765 °	38.320340 ° -121.590730 °	16 Y
27	2.79	3.26	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 °	38.326081 ° -121.586009 °	28
28	2.87	2.88	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.322170 ° -121.590948 °	38.322595 ° -121.590837 °	17
29	3.00	3.00	Earthen Levee	Encroachments	WS	M	Tree or limb	38.323712 ° -121.589255 °	38.323712 ° -121.589255 °	18
30	3.23	3.23	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.325534 ° -121.586273 °	38.325534 ° -121.586273 °	19
31	3.72	3.73	Earthen Levee	Encroachments	LS	CO	Landscaping	38.332045 ° -121.584835 °	38.332200 ° -121.584677 °	22 Y

*** Location**
 LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.03
End Levee Mile	0.04
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northwest at dense veg. on landside slope and toe.	
richard_s_20100408_182.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.03
End Levee Mile	0.04
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at dense veg. on landside slope and toe.	
richard_s_20100408_183.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.04
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at cactus and landscaping on landside slope.	
richard_s_20100408_184.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 N : Not Inspected</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.22
End Levee Mile	0.63
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 5 ft berm, 1.5:1 slope, tree hazards and holes, clays and silts, 4.73 ft/s [2009 SiteID:STR_24-7_R]	
USACE2009_STR_24-7_R_2009_09_18-D4P9_small.JPG	



Levee Mile Report Line	6
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_s_20100408_185.jpg	



Levee Mile Report Line	6
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_s_20100408_186.jpg	



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

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	7
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_s_20100316_114.jpg	



Levee Mile Report Line	14
Start Levee Mile	0.96
End Levee Mile	1.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1:1 slope, tree hazards, clays and silts, 4.64 ft/s [2009 SiteID:STR_25-2_R]	
USACE2009_STR_25-2_R_2009_09_18-D4P13_small.JPG	



Levee Mile Report Line	21
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 landsie slope and toe.	
richard_s_20100408_187.jpg	



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	24
Start Levee Mile	2.28
End Levee Mile	2.28
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at dead tree stump and hole on landside shoulder and slope.	
richard_s_20100408_188.jpg	



Levee Mile Report Line	24
Start Levee Mile	2.28
End Levee Mile	2.28
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking west at dead tree on landside slope.	
richard_s_20100408_189.jpg	



Levee Mile Report Line	26
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_s_20100408_190.jpg	



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

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/24/2010 03/24/2010	Richard Willoughby

Levee Mile Report Line	26
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_s_20100408_191.jpg	



Levee Mile Report Line	31
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_s_20100408_192.jpg	



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

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Reclamation District No. 0999 Netherlands

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

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/25/2010 - 3/25/2010			
DWR Inspector	Richard Willoughby			
Accompanied By				

Check one:

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(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, Room LL-30
Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/25/2010 03/25/2010	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	1.21	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.414202 ° -121.523227 °	38.429635 ° -121.533140 °	4
2	0.01	1.21	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.414200 ° -121.523227 °	38.429635 ° -121.533142 °	8
3	0.05	0.05	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.414642 ° -121.523430 °	38.414642 ° -121.523430 °	15
4	0.05	0.11	Earthen Levee	Encroachments	LS	PO	Fences	38.414672 ° -121.523527 °	38.415468 ° -121.524037 °	13 Y
5	0.19	0.28	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 °	38.417657 ° -121.525372 °	24
6	0.31	0.35	Earthen Levee	Encroachments	LS	PO	Landscaping	38.418002 ° -121.525712 °	38.418470 ° -121.526002 °	12
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	U	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	PO	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	0.67	0.69	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.422517 ° -121.528858 °	38.422842 ° -121.529107 °	7
13	0.71	0.91	Earthen Levee	Encroachments	LS	C	Fences	38.423035 ° -121.529253 °	38.425645 ° -121.531083 °	5
14	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
15	0.75	0.75	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.423560 ° -121.529653 °	38.423560 ° -121.529653 °	17
16	0.78	0.78	Earthen Levee	Encroachments	LS	M	Tree or limb	38.424003 ° -121.529950 °	38.424003 ° -121.529950 °	16
17	0.80	0.84	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 1.5:1 slope, tree hazards and slumping, sands and silts, 5.36 ft/s [2009 SiteID:SAC_42-7_R]	38.424922 ° -121.530100 °	38.424425 ° -121.529681 °	20 Y

*** Location**
 LS : Land Side
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**** Rating**
 A : Acceptable PO : Partially Obstructing C : Corrected
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 U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/25/2010 03/25/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	0.82	0.82	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.424432 ° -121.530265 °	38.424432 ° -121.530265 °	14
19	0.83	0.83	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.424722 ° -121.530470 °	38.424722 ° -121.530470 °	9
20	0.99	1.01	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.426682 ° -121.531738 °	38.426910 ° -121.531858 °	3
21	1.02	1.02	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.427088 ° -121.531962 °	38.427088 ° -121.531962 °	2

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

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/25/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	4
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_s_20100316_115.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_s_20100408_203.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_s_20100408_204.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/25/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	17
Start Levee Mile	0.80
End Levee Mile	0.84
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1.5:1 slope, tree hazards and slumping, sands and silts, 5.36 ft/s [2009 SiteID:SAC_42-7_R]	
USACE2009_SAC_42-7_R_2009_09_17-D3bP25_small.JPG	



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

Unit Cover Sheet

Spring 2010 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)				
Date of Inspection	3/24/2010 - 3/25/2010			
DWR Inspector	Richard Willoughby			
Accompanied By				

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Sacramento, CA 95821-9000

X _____ Date

Signature of LMA Representative

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	9.65	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.332361 ° -121.584593 °	38.414040 ° -121.523190 °	2
2	0.00	9.65	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.332362 ° -121.584591 °	38.414037 ° -121.523190 °	1
3	0.19	0.22	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.334960 ° -121.584047 °	38.335428 ° -121.583845 °	3 Y
4	0.20	0.20	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.335162 ° -121.583978 °	38.335162 ° -121.583978 °	109
5	0.20	0.20	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.335209 ° -121.583966 °	38.335209 ° -121.583966 °	4
6	0.24	0.26	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 1:1 slope, tree hazards, clays and cobbles, 3 ft/s [2009 SiteID:ELK_0-2_R]	38.335842 ° -121.583486 °	38.335656 ° -121.583608 °	97 Y
7	0.26	9.66	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 1.5:1 slope, tree hazards and holes, sands and silts, 5.08 ft/s [2009 SiteID:SAC_41-9_R]	38.417731 ° -121.524919 °	38.414425 ° -121.522708 °	98 Y
8	0.35	0.35	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	38.337089 ° -121.582756 °	38.337089 ° -121.582756 °	5
9	0.40	0.40	Earthen Levee	Trim / Thin Trees	LS	U	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
10	0.41	0.41	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.337801 ° -121.582397 °	38.337801 ° -121.582397 °	17
11	0.41	0.46	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.337801 ° -121.582395 °	38.338582 ° -121.582217 °	16
12	0.43	0.47	Earthen Levee	Trim / Thin Trees	LS	U	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.338075 ° -121.582322 °	38.338688 ° -121.582193 °	25 Y
13	0.53	0.53	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.339545 ° -121.582033 °	38.339545 ° -121.582033 °	6
14	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
15	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
16	0.57	0.64	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.340070 ° -121.581980 °	38.341058 ° -121.581615 °	7

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	0.72	0.74	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.342180 ° -121.581230 °	38.342537 ° -121.581263 °	9 Y
18	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
19	0.84	0.94	Earthen Levee	Encroachments	LS	PO	Landscaping	38.343825 ° -121.581133 °	38.345215 ° -121.580728 °	11 Y
20	0.95	0.98	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.345383 ° -121.580663 °	38.345750 ° -121.580473 °	12
21	0.95	1.09	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.345402 ° -121.580655 °	38.347133 ° -121.579573 °	13
22	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
23	1.17	1.17	Earthen Levee	Encroachments	WS	M	Tree or limb	38.348124 ° -121.578787 °	38.348124 ° -121.578787 °	28
24	1.19	1.19	Earthen Levee	Encroachments	WS	M	Tree or limb	38.348240 ° -121.578426 °	38.348240 ° -121.578426 °	35
25	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
26	1.24	1.27	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Fence is located on Landside shoulder	38.348336 ° -121.577621 °	38.348332 ° -121.577172 °	76
27	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
28	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
29	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
30	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
31	1.74	1.74	Earthen Levee	Vegetation	LS	C	Elderberries are blocking visibility and flood fight capability.	38.351966 ° -121.574079 °	38.351966 ° -121.574079 °	77
32	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
33	1.79	1.79	Earthen Levee	Vegetation	WS	C	Elderberries are blocking visibility and flood fight capability.	38.352627 ° -121.574107 °	38.352627 ° -121.574107 °	78

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
34	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
35	2.06	2.06	Earthen Levee	Encroachments	WS	M	Material	38.355531 ° -121.571374 °	38.355531 ° -121.571374 °	80
36	2.12	2.14	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.355640 ° -121.570208 °	38.355630 ° -121.569977 °	23
37	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
38	2.33	2.35	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.354474 ° -121.566701 °	38.354555 ° -121.566191 °	40
39	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
40	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
41	2.93	3.19	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.361268 ° -121.563263 °	38.364373 ° -121.561947 °	29
42	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
43	3.19	3.24	Earthen Levee	Encroachments	LS	PO	Landscaping	38.364392 ° -121.561882 °	38.364597 ° -121.561087 °	31 Y
44	3.24	3.31	Earthen Levee	Encroachments	WS	M	Prunings	38.364585 ° -121.561047 °	38.364503 ° -121.559880 °	32
45	3.29	3.37	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.364552 ° -121.560137 °	38.364225 ° -121.558852 °	33
46	3.30	3.30	Earthen Levee	Encroachments	LS	M	Tree or limb Inspector Comments: Down tree on landside slope.	38.364616 ° -121.559713 °	38.364616 ° -121.559713 °	43 Y
47	3.50	3.53	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.364113 ° -121.556507 °	38.364542 ° -121.556402 °	34
48	3.58	3.58	Earthen Levee	Encroachments	WS	M	Tree or limb	38.365159 ° -121.556540 °	38.365159 ° -121.556540 °	48
49	3.62	3.72	Earthen Levee	Encroachments	LS	PO	Fences	38.365711 ° -121.556714 °	38.367107 ° -121.556745 °	83
50	3.75	3.82	Earthen Levee	Encroachments	WS	M	Tree or limb	38.367482 ° -121.556542 °	38.367977 ° -121.555443 °	37

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
51	3.75	3.83	Earthen Levee	Encroachments	WS PO	Fences		38.367500 ° -121.556478 °	38.367997 ° -121.555348 °	85
52	3.79	3.95	Earthen Levee	Encroachments	LS PO	Fences		38.367644 ° -121.556012 °	38.368288 ° -121.553118 °	84
53	3.94	3.98	Earthen Levee	Encroachments	WS M	Tree or limb		38.368260 ° -121.553313 °	38.368462 ° -121.552620 °	38
54	3.96	3.96	Earthen Levee	Encroachments	LS M	Garbage		38.368318 ° -121.552938 °	38.368318 ° -121.552938 °	39 Y
55	4.05	4.14	Earthen Levee	Trim / Thin Trees	WS U	Trim and thin trees to allow visibility of the ground and room to flood fight.		38.369440 ° -121.552747 °	38.370543 ° -121.553402 °	41 Y
56	4.35	4.35	Earthen Levee	Encroachments	WS M	Prunings		38.373234 ° -121.552058 °	38.373234 ° -121.552058 °	53
57	4.37	4.37	Earthen Levee	Encroachments	WS M	Tree or limb		38.373517 ° -121.551867 °	38.373517 ° -121.551867 °	55 Y
58	4.38	4.41	Earthen Levee	Encroachments	LS CO	Landscaping		38.373625 ° -121.551787 °	38.373907 ° -121.551607 °	44 Y
59	4.43	4.47	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 °	38.374683 ° -121.550827 °	45
60	4.43	4.43	Earthen Levee	Encroachments	LS PO	Landscaping		38.374410 ° -121.551173 °	38.374410 ° -121.551173 °	56
61	4.48	4.53	Earthen Levee	Trim / Thin Trees	LS M	Trim and thin trees to allow visibility of the ground and room to flood fight.		38.374866 ° -121.550491 °	38.375061 ° -121.549800 °	57
62	4.55	4.55	Earthen Levee	Encroachments	WS M	Tree or limb		38.375113 ° -121.549391 °	38.375113 ° -121.549391 °	46 Y
63	4.55	4.68	Earthen Levee	Trim / Thin Trees	LS M	Trim and thin trees to allow visibility of the ground and room to flood fight.		38.375072 ° -121.549547 °	38.375188 ° -121.547203 °	47
64	4.56	4.56	Earthen Levee	Encroachments	WS M	Landscaping		38.375012 ° -121.549357 °	38.375012 ° -121.549357 °	113
65	4.57	4.68	Earthen Levee	Trim / Thin Trees	WS M	Trim and thin trees to allow visibility of the ground and room to flood fight.		38.375099 ° -121.549068 °	38.375211 ° -121.547158 °	58
66	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
67	4.68	4.71	Earthen Levee	Encroachments	LS M	Prunings		38.375211 ° -121.547155 °	38.375285 ° -121.546684 °	61
68	4.71	4.74	Earthen Levee	Encroachments	WS C	Prunings		38.375330 ° -121.546613 °	38.375417 ° -121.546143 °	50

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 05 Elk Slough				Right	9.66	03/24/2010 03/25/2010	Richard Willoughby			
LMIR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
69	4.72	4.72	Earthen Levee	Encroachments	LS	C	Prunings	38.375373 ° -121.546422 °	38.375373 ° -121.546422 °	51
70	4.73	4.73	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.375360 ° -121.546291 °	38.375360 ° -121.546291 °	62
71	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
72	4.76	4.79	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.375566 ° -121.545676 °	38.375775 ° -121.545255 °	63
73	4.86	4.86	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.376432 ° -121.544382 °	38.376432 ° -121.544382 °	64
74	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
75	5.16	5.16	Earthen Levee	Encroachments	LS	M	Prunings	38.379752 ° -121.541048 °	38.379752 ° -121.541048 °	65 Y
76	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
77	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
78	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
79	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
80	5.76	5.76	Earthen Levee	Encroachments	LS	M	Prunings	38.384461 ° -121.545063 °	38.384461 ° -121.545063 °	72
81	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
82	6.18	6.18	Earthen Levee	Encroachments	LS	M	Prunings	38.387633 ° -121.542180 °	38.387633 ° -121.542180 °	73
83	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
84	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
85	6.44	6.52	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.390541 ° -121.541360 °	38.391396 ° -121.540038 °	75

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
86	6.58	6.58	Earthen Levee	Encroachments	LS	M	Prunings	38.391776 ° -121.539295 °	38.391776 ° -121.539295 °	92
87	6.76	6.82	Earthen Levee	Encroachments	WS	M	Prunings	38.394173 ° -121.539472 °	38.395119 ° -121.539377 °	79
88	6.78	6.81	Earthen Levee	Encroachments	LS	CO	Landscaping	38.394491 ° -121.539427 °	38.394991 ° -121.539333 °	93 Y
89	6.83	6.83	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Firewood on landside shoulder	38.395234 ° -121.539323 °	38.395234 ° -121.539323 °	96 Y
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	PO	Fences	38.403808 ° -121.541354 °	38.403976 ° -121.541661 °	99
92	8.11	8.11	Earthen Levee	Encroachments	WS	M	Prunings	38.408948 ° -121.541937 °	38.408948 ° -121.541937 °	81
93	8.12	8.12	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	38.409018 ° -121.541737 °	38.409018 ° -121.541737 °	86
94	8.19	8.22	Earthen Levee	Encroachments	LS	PO	Landscaping	38.409532 ° -121.540667 °	38.409760 ° -121.540080 °	87
95	8.19	8.19	Earthen Levee	Encroachments	WS	M	Prunings	38.409532 ° -121.540665 °	38.409532 ° -121.540665 °	88
96	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
97	8.50	8.50	Earthen Levee	Encroachments	WS	M	Prunings	38.408763 ° -121.535609 °	38.408763 ° -121.535609 °	89
98	8.57	8.61	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Fence installed without CVFPB permit in 2008. Fence extend from landside toe to landside shoulder.	38.408586 ° -121.534992 °	38.408748 ° -121.534437 °	101 Y
99	8.61	8.61	Earthen Levee	Encroachments	WS	M	Tree or limb	38.409101 ° -121.533881 °	38.409101 ° -121.533881 °	90
100	8.66	8.66	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	38.409116 ° -121.533738 °	38.409116 ° -121.533738 °	102
101	8.74	8.74	Earthen Levee	Encroachments	CR	PO	Fences	38.410332 ° -121.532277 °	38.410332 ° -121.532277 °	103 Y
102	8.78	8.78	Earthen Levee	Encroachments	CR	PO	Fences	38.410344 ° -121.532074 °	38.410344 ° -121.532074 °	104 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

LMIR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
103	8.81	8.81	Earthen Levee	Encroachments	CR	PO	Fences	38.410528 ° -121.531611 °	38.410528 ° -121.531611 °	105 Y
104	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
105	9.08	9.08	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Landowner should remove cactus.	38.414187 ° -121.529822 °	38.414187 ° -121.529822 °	94
106	9.26	9.26	Earthen Levee	Encroachments	LS	M	Tree or limb	38.416027 ° -121.528243 °	38.416027 ° -121.528243 °	95

<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 N : Not Inspected</p> <p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.19
End Levee Mile	0.22
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Dense wild roses at landside toe (side view)	
richard_s_20100316_116.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.19
End Levee Mile	0.22
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Front view of dense wild roses at landside toe.	
richard_s_20100316_117.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.24
End Levee Mile	0.26
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1:1 slope, tree hazards, clays and cobbles, 3 ft/s [2009 SiteID:ELK_0-2_R]	
USACE2009_ELK_0-2_R_2009_09_17-D3bP40_small.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.26
End Levee Mile	9.66
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1.5:1 slope, tree hazards and holes, sands and silts, 5.08 ft/s [2009 SiteID:SAC_41-9_R] USACE2009_SAC_41-9_R_2009_09_17-D3bP26_small.JPG	



Levee Mile Report Line	9
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_s_20100408_193.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.43
End Levee Mile	0.47
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at dense veg. on landside slope and toe. richard_s_20100408_194.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.43
End Levee Mile	0.47
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking east at overgrown tree on landside slope and toe.	
richard_s_20100408_195.jpg	



Levee Mile Report Line	17
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_s_20100316_118.jpg	



Levee Mile Report Line	19
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_s_20100316_119.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 N : Not Inspected</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	19
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_s_20100316_120.jpg	



Levee Mile Report Line	28
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_s_20100316_121.jpg	



Levee Mile Report Line	28
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_s_20100316_122.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	34
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_s_20100316_123.jpg	



Levee Mile Report Line	43
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_s_20100316_124.jpg	



Levee Mile Report Line	46
Start Levee Mile	3.30
End Levee Mile	3.30
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at down tree branch on landside slope.	
richard_s_20100408_196.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	54
Start Levee Mile	3.96
End Levee Mile	3.96
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Garbage piles on landside toe at LM 3.96	
richard_s_20100316_125.jpg	



Levee Mile Report Line	55
Start Levee Mile	4.05
End Levee Mile	4.14
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northeast at overgrown trees on waterside slope.	
jhirabay_s_20100610_203.jpg	



Levee Mile Report Line	57
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_s_20100408_199.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	58
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_s_20100316_126.jpg	



Levee Mile Report Line	62
Start Levee Mile	4.55
End Levee Mile	4.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at dense trees on waterside slope	
richard_s_20100408_197.jpg	



Levee Mile Report Line	62
Start Levee Mile	4.55
End Levee Mile	4.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking north at dense trees on waterside slope.	
richard_s_20100408_198.jpg	



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	75
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_s_20100408_200.jpg	



Levee Mile Report Line	88
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_s_20100408_201.jpg	



Levee Mile Report Line	89
Start Levee Mile	6.83
End Levee Mile	6.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fence and Firewood at landside shoulder.	
richard_s_20100316_130.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	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_s_20100316_129.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_s_20100408_202.jpg	



Levee Mile Report Line	98
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_s_20100316_131.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	101
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_s_20100316_132.jpg	



Levee Mile Report Line	101
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_s_20100316_133.jpg	



Levee Mile Report Line	102
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_s_20100316_134.jpg	



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	03/24/2010 03/25/2010	Richard Willoughby

Levee Mile Report Line	103
Start Levee Mile	8.81
End Levee Mile	8.81
Location	Crown
Category	Earthen Levee
Item	Encroachments
New unauthorized fence and gate that extend from landside toe across levee crown to waterside toe.	
richard_s_20100316_135.jpg	



*** Location**

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