

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Spring 2011 Levee Inspection Results**

Reclamation District No. 2104 Peters Pocket Tract

	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 2011 Levee Inspection Results

Reclamation District No. 2104 Peters Pocket Tract

Waterway		Bank	Unit Miles
Unit No. 01 Cache Slough		Left	7.40

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/14/2011 - 4/14/2011			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Richard Silva RD 2104			
	KEN MACHADO RD 2104			

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 - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough			Left	7.40	04/14/2011 04/14/2011	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Earthen Levee	Vegetation	WS	W	Control annual grass and weeds on the levee slopes and easements.	38.308296 ° -121.758594 °	38.308296 ° -121.758594 °	2 Y
2	0.00	0.00	Earthen Levee	Vegetation	LS	W	Control annual grass and weeds on the levee slopes and easements.	38.308296 ° -121.758594 °	38.308296 ° -121.758594 °	21 Y
3	0.19	0.19	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.305912 ° -121.757520 °	38.305912 ° -121.757520 °	4 Y
4	0.19	0.22	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	38.305912 ° -121.757520 °	38.305583 ° -121.757220 °	8 Y
5	0.20	0.22	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.305837 ° -121.757463 °	38.305547 ° -121.757178 °	17
6	0.27	0.27	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.305022 ° -121.756692 °	38.305022 ° -121.756692 °	1
7	0.30	0.30	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	38.304657 ° -121.756570 °	38.304657 ° -121.756570 °	18
8	0.31	0.31	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.304662 ° -121.756520 °	38.304662 ° -121.756520 °	3
9	0.42	0.49	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.303130 ° -121.756533 °	38.302260 ° -121.755987 °	5
10	0.42	0.67	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.303058 ° -121.756542 °	38.300238 ° -121.754347 °	6
11	0.95	0.95	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.299220 ° -121.749828 °	38.299220 ° -121.749830 °	7
12	1.36	1.37	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees over roadway to at least 12 feet above ground level.	38.296237 ° -121.744327 °	38.296158 ° -121.744262 °	9
13	1.37	1.38	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.296168 ° -121.744355 °	38.296110 ° -121.744300 °	13
14	1.43	1.49	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.295732 ° -121.743288 °	38.295697 ° -121.742408 °	10
15	1.43	1.60	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The growth need to be removed from levee section this unit has not had any maintenance since the last inspection.	38.295730 ° -121.743288 °	38.294835 ° -121.741192 °	11 Y
16	1.55	1.60	Earthen Levee	Trim / Thin Trees	WS	U	Trim trees to at least five feet above ground level. Inspector Comments: The District has done no maintenacne here since last inspection.	38.295462 ° -121.741443 °	38.294912 ° -121.741178 °	12 Y
17	1.57	1.60	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.295263 ° -121.741415 °	38.294915 ° -121.741277 °	22

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

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough				Left	7.40	04/14/2011 04/14/2011	Herman Phillips

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	1.64	1.64	Earthen Levee	Encroachments	LS	M	Material	38.293747 ° -121.739126 °	38.293747 ° -121.739126 °	23 Y
19	1.69	2.60	Earthen Levee	Vegetation	CR	U	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This unit has not improved since the last inspection, nothing has been done.	38.294125 ° -121.740428 °	38.294290 ° -121.726933 °	15 Y
20	2.08	2.09	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.292027 ° -121.734575 °	38.291947 ° -121.734453 °	16
21	2.79	2.80	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	38.323780 ° -121.752410 °	38.323730 ° -121.752430 °	33
22	4.21	4.70	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The District has not done any maintenance to the levee since last inspection, it remains unsatisfactory. Photos takes to show the land side, water side and the crown roadway overgrown.	38.297456 ° -121.738944 °	38.318412 ° -121.744876 °	19 Y
23	4.58	4.65	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This levee is overgrown and is in need of maintenance. There are weeds taller than 5-feet tall on the levee section.	38.313130 ° -121.739023 °	38.313872 ° -121.739830 °	25
24	4.88	4.88	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	38.319559 ° -121.747085 °	38.319559 ° -121.747085 °	24 Y
25	4.90	4.90	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	38.319812 ° -121.747434 °	38.319812 ° -121.747434 °	29 Y
26	5.51	6.75	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.322340 ° -121.748377 °	38.316815 ° -121.758227 °	26
27	7.40	7.40	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	° °	° °	20

<p>* Location</p> <p>LS : Landside WS : Waterside 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/Rated</p> <p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/14/2011 04/14/2011	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking downstream at the waterside of RD 2104 levee mile 0.00. Photo taken 4-14-2011.	
phillips_s_20110415_253.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking downstream from levee mile 0.00 RD 2104 landside levee slope. Photo taken 4-14-2011.	
phillips_s_20110415_254.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.19
End Levee Mile	0.19
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Levee mile 0.18 looking up stream water side levee slope. 11-17-2010	
phillips_s_20110228_142.jpg	



* Location LS : Landside WS : Waterside CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/14/2011 04/14/2011	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.19
End Levee Mile	0.22
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking downstream from Levee mile 0.19 Soft cedar need to be removed from levee slopes. 11-17-2010	
phillips_s_20110228_143.jpg	



Levee Mile Report Line	15
Start Levee Mile	1.43
End Levee Mile	1.60
Location	Water Side
Category	Earthen Levee
Item	Vegetation
This photo shown here was listed with a U rating. The waterside is completely over grown from shoulder to beyond waterside toe. The crown has weeds 2-feet tall.	
phillips_s_20110228_144.jpg	



Levee Mile Report Line	15
Start Levee Mile	1.43
End Levee Mile	1.60
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Standing on L/M 1.60 Looking downstream to 1.98 landward levee over grown. This levee has not had any maintenance since last inspection. Taken 11-17-2010	
phillips_s_20110228_145.jpg	



<p>* Location</p> <p>LS : Landside WS : Waterside 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/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/14/2011 04/14/2011	Herman Phillips

Levee Mile Report Line	15
Start Levee Mile	1.43
End Levee Mile	1.60
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Standing at levee mile 1.60 looking downstream of landside wild growth remains on levee section. This section was rated unsatisfactory during the spring inspection, no change 11-17-2010.

phillips_s_20110228_146.jpg



Levee Mile Report Line	15
Start Levee Mile	1.43
End Levee Mile	1.60
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking back upstream from levee mile 1.60 waterside of RD 2104 Remain to be unsatisfactory. Photo taken 4-14-2011.

phillips_s_20110415_255.jpg



Levee Mile Report Line	16
Start Levee Mile	1.55
End Levee Mile	1.60
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking back downstream from levee mile 1.55 unsatisfactory wild growth remains on levee section. Photo taken 11-17-2010

phillips_s_20110228_147.jpg



<p>* Location</p> <p>LS : Landside WS : Waterside 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/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/14/2011 04/14/2011	Herman Phillips

Levee Mile Report Line	16
Start Levee Mile	1.55
End Levee Mile	1.60
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
<p>Looking downstream at unsatisfactory growth of trees along the water side slope levee mile 1.43. Photo taken 4-14-2011. The growth goes beyond levee mile 1.60.</p>	
<p>phillips_s_20110415_256.jpg</p>	



Levee Mile Report Line	18
Start Levee Mile	1.64
End Levee Mile	1.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments
<p>Looking at the material within 10-foot of landward toe levee mile 1.64 RD 2104. Photo taken 4-14-2011</p>	
<p>phillips_s_20110415_258.jpg</p>	



Levee Mile Report Line	19
Start Levee Mile	1.69
End Levee Mile	2.60
Location	Crown
Category	Earthen Levee
Item	Vegetation
<p>Looking downstream from levee 1.69 to 2.60 crown has not been sterilized.</p>	
<p>phillips_s_20110228_148.jpg</p>	



<p>* Location</p> <p>LS : Landside WS : Waterside 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/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/14/2011 04/14/2011	Herman Phillips

Levee Mile Report Line	22
Start Levee Mile	4.21
End Levee Mile	4.70
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>Standing at levee mile 4.21 looking downstream to 4.70 no maintenance since last inspection wild growth on landside and waterside levee slopes. Unsatisfactory. Photo taken 11-17-2010</p>	
<p>phillips_s_20110228_149.jpg</p>	



Levee Mile Report Line	22
Start Levee Mile	4.21
End Levee Mile	4.70
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>Standing at levee mile 4.21 looking downstream waterside to levee mile 4.70 unsatisfactory growth. Photo taken 11-17-2010</p>	
<p>phillips_s_20110228_150.jpg</p>	



Levee Mile Report Line	22
Start Levee Mile	4.21
End Levee Mile	4.70
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>Looking downstream landside of RD 2104 Levee mile 4.21 unsatisfactory growth slopes and crown roadway. Photo taken 4-14-2011.</p>	
<p>phillips_s_20110415_257.jpg</p>	



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

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 2104 Peters Pocket Tract

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough	Left	7.40	04/14/2011 04/14/2011	Herman Phillips

Levee Mile Report Line	24
Start Levee Mile	4.88
End Levee Mile	4.88
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion noted at levee mile 4.88 made by livestock along landside slope. Photo taken 4-14-2011.	
phillips_s_20110415_259.jpg	



Levee Mile Report Line	25
Start Levee Mile	4.90
End Levee Mile	4.90
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion noted at levee mile 4.90 RD 2104 landside slope. Livestock caused this erosion. Photo taken 4-14-2011.	
phillips_s_20110415_260.jpg	



<p>* Location</p> <p>LS : Landside WS : Waterside 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/Rated</p>
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