

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

**Reclamation District No. 2062 Stewart**

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	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. 2062 Stewart**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.69

  

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/11/2011 - 5/11/2011			
DWR Inspector	Jim Eto			
Accompanied By	Ramon Batista RD 2062			
	Michael Moncrief MBK			

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. 2062 Stewart**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River							Left	2.69	05/11/2011 05/11/2011	Jim Eto	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1	0.50	0.50	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion taking place at edge of crown.	37.804716 ° -121.320511 °	37.804716 ° -121.320511 °	3 Y	
2	0.57	0.57	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Levee crown is approximately 100' at this point.	37.805106 ° -121.319154 °	37.805106 ° -121.319154 °	6 Y	
3	0.81	0.81	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.804747 ° -121.315183 °	37.804747 ° -121.315183 °	7	
4	0.84	0.84	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	37.804580 ° -121.314720 °	37.804580 ° -121.314720 °	8	
5	0.85	0.92	Earthen Levee	Vegetation	CR	M	Control annual grass and weeds on the levee slopes and easements.	37.804512 ° -121.314585 °	37.803862 ° -121.313699 °	4 Y	
6	0.91	0.91	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 09/07/2010: No significant changes observed on site. Sloughing of the existing rip rap revetment on the lower slope has developed into an erosion pocket. There is moderate annual grass growth on the slope. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: Per Michael Moncrief of MBK, site is scheduled for repair this year. [2010 SiteID: RD2062U01RM54.14]	37.804080 ° -121.314060 °	37.804080 ° -121.314060 °	1 Y	
7	1.55	1.55	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.795102 ° -121.315068 °	37.795102 ° -121.315068 °	9	
8	1.67	1.67	Earthen Levee	Encroachments	WS	W	Pipe	37.793516 ° -121.315335 °	37.793516 ° -121.315335 °	10	
9	1.83	1.83	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791873 ° -121.313350 °	37.791873 ° -121.313350 °	11	
10	1.85	1.85	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791798 ° -121.312904 °	37.791798 ° -121.312904 °	12	
11	2.10	2.10	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Damage at hinge point appears to be caused by heavy equipment traffic.	37.793656 ° -121.309610 °	37.793656 ° -121.309610 °	13 Y	
12	2.12	2.12	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.794263 ° -121.308753 °	37.794263 ° -121.308753 °	14	
13	2.20	2.60	Earthen Levee	Vegetation	CR	C	Control annual grass and weeds on the levee slopes and easements.	37.793798 ° -121.308325 °	37.788333 ° -121.308872 °	5	

**\* Location**

LS : Landside  
WS : Waterside  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected/Rated  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/11/2011 05/11/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	2.24	2.26	Supplemental	DWR Erosion Survey	WS	W	Inspector Comments: 09/07/2010: After further review of site, it will be removed from the inventory. Erosion is minimal. There is sufficient berm to provide levee protection. Annual vegetation also provides added protection. 08/06/2010: Recommended for annual assessment and	37.793120 ° -121.308110 °	37.793120 ° -121.308110 °	2 Y

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

05/11/2011 Erosion at crown, vegetation shown at top of erosion is being supported by silt fence.

jeto\_s\_20110513\_479.jpg



Levee Mile Report Line	2
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

05/11/2011 Erosion begins at crown, stakes shown in photo are supporting a silt fence. Silt fence is supporting soil and vegetation at crown.

jeto\_s\_20110513\_480.jpg



Levee Mile Report Line	5
Start Levee Mile	0.85
End Levee Mile	0.92
Location	Crown
Category	Earthen Levee
Item	Vegetation

Annual grasses on levee crown should be mowed to improve visibility down the levee slope.

jeto\_s\_20110301\_157.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	6
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site where portion of the rip rap revetment has sloughed, creating a pocket erosion.

jeto\_s\_20110301\_149.jpg



Levee Mile Report Line	6
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the rip rap that has sloughed.

jeto\_s\_20110301\_150.jpg



Levee Mile Report Line	6
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photograph taken in 2006. View of the portion of rip rap that has slipped, exposing the underlying soils.

jeto\_s\_20110301\_151.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	6
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photograph taken in 2006. Close-up view of the pocket erosion.

jeto\_s\_20110301\_152.jpg



Levee Mile Report Line	11
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

05/11/2011 Damage seen in photo continues down the slope as if area was being used by equipment to access the bank.

jeto\_s\_20110513\_481.jpg



Levee Mile Report Line	14
Start Levee Mile	2.24
End Levee Mile	2.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site. Note the wide bench.

jeto\_s\_20110301\_153.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2011

### Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	14
Start Levee Mile	2.24
End Levee Mile	2.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site.

jeto\_s\_20110301\_154.jpg



Levee Mile Report Line	14
Start Levee Mile	2.24
End Levee Mile	2.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photograph taken in 2006. Close up view of scarp just above the lower slope revetment.

jeto\_s\_20110301\_155.jpg



Levee Mile Report Line	14
Start Levee Mile	2.24
End Levee Mile	2.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photograph taken in 2006. Front view of scarp above the lower slope revetment.

jeto\_s\_20110301\_156.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2011 Levee Inspection Results**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles
Unit No. 02 Paradise Cut	Right	4.03

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/11/2011 - 5/11/2011			
DWR Inspector	Jim Eto			
Accompanied By	Michael Moncrief MBK			
	Ramon Batista RD 2062			

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.
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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

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3310 El Camino Avenue, Suite 200  
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**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut				Right	4.03	05/11/2011 05/11/2011	Jim Eto

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.57	0.57	Earthen Levee	Encroachments	LS	W	Pipe Inspector Comments: Drainage discharge pipe to Paradise Cut.	37.784356 ° -121.338975 °	37.784356 ° -121.338975 °	5
2	0.76	0.76	Earthen Levee	Encroachments	WS	W	Pipe	37.786122 ° -121.341572 °	37.786122 ° -121.341572 °	8
3	1.40	1.40	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake from Paradise Cut.	37.791831 ° -121.350424 °	37.791831 ° -121.350424 °	10
4	1.67	1.67	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Two irrigation intakes.	37.794032 ° -121.354406 °	37.794032 ° -121.354406 °	11
5	1.87	1.93	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Vegetation inhibits the visibility of the toe and landside slope.	37.795646 ° -121.357433 °	37.796168 ° -121.358345 °	4 Y
6	1.99	1.99	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Active burrow evident.	37.796622 ° -121.359199 °	37.796622 ° -121.359199 °	7
7	2.54	3.94	Earthen Levee	Encroachments	LS	M	Agricultural tilling Inspector Comments: Discing of the levee slope is the district's vegetation control method. Over time this could degrade the levee slope and create an integrity issue.	37.801211 ° -121.367142 °	37.808230 ° -121.390260 °	6 Y
8	2.89	2.89	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Three small tree stumps.	37.803827 ° -121.372424 °	37.803827 ° -121.372424 °	3 Y
9	2.94	2.94	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Four small oak stumps on levee slope.	37.804060 ° -121.373245 °	37.804060 ° -121.373245 °	13
10	3.03	3.03	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.804452 ° -121.374903 °	37.804452 ° -121.374903 °	14
11	3.07	3.07	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.804481 ° -121.375510 °	37.804481 ° -121.375510 °	15
12	3.12	3.12	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps. Inspector Comments: Four small stumps on levee slope.	37.804473 ° -121.376528 °	37.804473 ° -121.376528 °	16
13	3.27	3.28	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 09/22/2010: No significant changes observed on site. The fencing located on the berm was removed. Levee slope and berm area 10 feet from the levee toe are bare of any vegetation. The 1- to 2 feet of near-vertical scarp on the levee toe is unchanged. 03/0	37.804604 ° -121.379454 °	37.804604 ° -121.379454 °	1 Y
14	3.30	3.30	Earthen Levee	Encroachments	LS	W	Pipe Inspector Comments: Two discharge pipes. Third pipe was capped and plugged. Project to relocate pumps because of seepage boils, was permitted.	37.804748 ° -121.379697 °	37.804748 ° -121.379697 °	17

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/11/2011 05/11/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	3.44	3.53	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 09/22/2010: No significant changes observed on site. The foot-high near-vertical scarp still exists on levee toe. There is little to no vegetation on the slope. 03/09/2010: As discussed with Michael Moncrief of MBK, site will be addressed this year. [20	37.805422 ° -121.383173 °	37.805422 ° -121.383173 °	2 Y
16	3.68	3.68	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Small stump on slope.	37.806231 ° -121.386209 °	37.806231 ° -121.386209 °	9 Y

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	5
Start Levee Mile	1.87
End Levee Mile	1.93
Location	Land Side
Category	Earthen Levee
Item	Vegetation

05/11/2011 Vegetation on landside is greater than 12" in height, preventing visibility of the landside slope and toe.

jeto\_s\_20110512\_473.jpg



Levee Mile Report Line	7
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Discing on levee slopes has created a substantial vertical scarp.

jeto\_s\_20110301\_168.jpg



Levee Mile Report Line	7
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Discing on levee slopes has created two substantial vertical scarps.

jeto\_s\_20110301\_169.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	8
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Three small stumps on levee slope.

jeto\_s\_20110301\_167.jpg



Levee Mile Report Line	13
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of scarp caused by a maintenance equipment.

jeto\_s\_20110301\_159.jpg



Levee Mile Report Line	13
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of scarp. Note on the right of the picture signs of where the wired fence used to be.

jeto\_s\_20110301\_160.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	13
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site.

jeto\_s\_20110301\_161.jpg



Levee Mile Report Line	13
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site. Note the tree stump on the scarp.

jeto\_s\_20110301\_162.jpg



Levee Mile Report Line	15
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site. Note the vertical scarp at the toe.

jeto\_s\_20110301\_163.jpg



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Levee Inspections**

## Levee Inspection Report By Mile - Spring 2011

### Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	15
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site.

jeto\_s\_20110301\_164.jpg



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Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site.

jeto\_s\_20110301\_165.jpg



Levee Mile Report Line	15
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site.

jeto\_s\_20110301\_166.jpg



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C : Corrected  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	16
Start Levee Mile	3.68
End Levee Mile	3.68
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
05/11/2011 Small stump in waterside slope.	
jeto_s_20110512_474.jpg	

**\* Location**

LS : Landside  
WS : Waterside  
CR : Crown

**\*\* Rating**

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



**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2011 Levee Inspection Results**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles
Unit No. 03 Old River	Left	5.63

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/11/2011 - 5/11/2011			
DWR Inspector	Jim Eto			
Accompanied By	Ramon Batista RD 2062			
	Michael Moncrief MBK			

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. 2062 Stewart**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River						Left	5.63	05/11/2011 05/11/2011	Jim Eto

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.03	0.03	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.809375 ° -121.390392 °	37.809375 ° -121.390392 °	3 Y
2	0.17	0.17	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.810194 ° -121.387602 °	37.810194 ° -121.387602 °	6
3	0.23	0.32	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 09/07/2010: No significant changes observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year. [2010 SiteID: RD2062U03RM30.19]	37.810609 ° -121.385879 °	37.810609 ° -121.385879 °	2 Y
4	0.30	0.30	Earthen Levee	Trim / Thin Trees	WS	C	Tree stumps.	37.810837 ° -121.385365 °	37.810837 ° -121.385365 °	7
5	0.46	0.46	Earthen Levee	Encroachments	WS	M	Prunings Inspector Comments: Bamboo prunings left on levee slope. 05/11/2011 Prunings are still present, item first noted in Fall 2010 inspection.	37.811805 ° -121.382932 °	37.811805 ° -121.382932 °	8 Y
6	0.56	0.57	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 09/07/2010: No significant changes observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope. 08/06/2010: Recommended as local maintenance issue, per CLRO Report. 03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year. [2010 SiteID: RD2062U03RM30.43]	37.813070 ° -121.383100 °	37.813070 ° -121.383100 °	4 Y
7	0.56	0.56	Earthen Levee	Encroachments	WS	M	Debris Inspector Comments: Trash and debris needs to be removed.	37.813214 ° -121.382989 °	37.813214 ° -121.382989 °	9 Y
8	0.61	0.61	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Stump in slope.	37.813570 ° -121.382094 °	37.813570 ° -121.382094 °	10 Y
9	0.65	0.65	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: 2 stumps on waterside slope.	37.813894 ° -121.381680 °	37.813894 ° -121.381680 °	12
10	0.82	0.82	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection.	37.816315 ° -121.381587 °	37.816315 ° -121.381587 °	11 Y
11	1.04	1.04	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.817736 ° -121.378615 °	37.817736 ° -121.378615 °	35

**\* Location**

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WS : Waterside  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	1.20	1.21	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 09/07/2010: No significant changes observed on site. Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' this year. [2010 SiteID: RD2062U03RM31.12]	37.819290 ° -121.378880 °	37.819290 ° -121.378880 °	5 Y
13	1.27	1.27	Earthen Levee	Encroachments	LS	M	Prunings Inspector Comments: Tree prunings on landside levee slope.	37.819711 ° -121.377490 °	37.819711 ° -121.377490 °	36 Y
14	1.37	1.37	Earthen Levee	Encroachments	LS	M	Prunings Inspector Comments: Prunings on levee slope	37.820885 ° -121.376986 °	37.820885 ° -121.376986 °	17
15	1.37	1.37	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush blocks visibility.	37.820885 ° -121.376986 °	37.820885 ° -121.376986 °	18 Y
16	1.42	1.43	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 09/07/2010: No significant changes observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010. [2010 SiteID: RD2062U03RM31.28]	37.821380 ° -121.376900 °	37.821380 ° -121.376900 °	1 Y
17	1.44	1.44	Earthen Levee	Encroachments	LS	M	Prunings	37.821600 ° -121.376308 °	37.821600 ° -121.376308 °	13
18	1.52	1.52	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.821388 ° -121.374947 °	37.821388 ° -121.374947 °	14
19	1.67	1.67	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.820890 ° -121.372227 °	37.820890 ° -121.372227 °	15
20	1.78	1.78	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.820902 ° -121.370565 °	37.820902 ° -121.370565 °	16
21	2.15	2.15	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake.	37.818645 ° -121.364894 °	37.818645 ° -121.364894 °	19
22	2.37	2.37	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.818813 ° -121.360997 °	37.818813 ° -121.360997 °	20

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Old River						Left	5.63	05/11/2011 05/11/2011	Jim Eto	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
23	2.62	2.62	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.816469 ° -121.357670 °	37.816469 ° -121.357670 °	37
24	2.74	2.74	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.816282 ° -121.355607 °	37.816282 ° -121.355607 °	38
25	2.78	2.78	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.816269 ° -121.354829 °	37.816269 ° -121.354829 °	39
26	2.80	2.80	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake	37.816364 ° -121.354348 °	37.816364 ° -121.354348 °	21
27	2.83	2.83	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.816341 ° -121.354008 °	37.816341 ° -121.354008 °	22
28	2.84	2.87	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.816203 ° -121.354063 °	37.816237 ° -121.353283 °	40 Y
29	2.90	2.90	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.816330 ° -121.352775 °	37.816330 ° -121.352775 °	23
30	3.01	3.01	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.817079 ° -121.350850 °	37.817079 ° -121.350850 °	24
31	3.07	3.07	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.817791 ° -121.350088 °	37.817791 ° -121.350088 °	25
32	3.14	3.14	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.818532 ° -121.349510 °	37.818532 ° -121.349510 °	26
33	3.34	3.34	Earthen Levee	Animal Control	LS	U	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.819989 ° -121.347106 °	37.819989 ° -121.347106 °	41 Y
34	3.44	3.44	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.819172 ° -121.345760 °	37.819172 ° -121.345760 °	28
35	4.14	4.14	Earthen Levee	Erosion / Bank Caving	WS	C	Note and monitor erosion site. Inspector Comments: Erosion of slope due to crown runoff.	37.821015 ° -121.339075 °	37.821015 ° -121.339075 °	32
36	4.16	4.16	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.820812 ° -121.338699 °	37.820812 ° -121.338699 °	33
37	4.26	4.26	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.819655 ° -121.336079 °	37.819655 ° -121.336079 °	42
38	4.83	4.83	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.812791 ° -121.336074 °	37.812791 ° -121.336074 °	43 Y
39	5.03	5.03	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.809905 ° -121.335837 °	37.809905 ° -121.335837 °	44
40	5.45	5.45	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Two large irrigation intake pumps and pipes.	37.807321 ° -121.331292 °	37.807321 ° -121.331292 °	34

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Small diameter trees on top 20' of waterside slope obstruct access and visibility. 05/11/2011 issue remains unchanged.

jeto\_s\_20110301\_178.jpg



Levee Mile Report Line	3
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of a 5-ft vertical scarp .

jeto\_s\_20110301\_174.jpg



Levee Mile Report Line	3
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of medium-sized tree where stability may be compromised due to a bank caving just below it.

jeto\_s\_20110301\_175.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	3
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of another 5-ft vertical scarp upstream.

jeto\_s\_20110301\_176.jpg



Levee Mile Report Line	3
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of another 6-ft vertical scarp upstream.

jeto\_s\_20110301\_177.jpg



Levee Mile Report Line	5
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Encroachments

05/11/2011 Bambo prunings have not been removed. This item was noted in the Fall 2010 inspection.

jeto\_s\_20110513\_475.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	6
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site. Note the series of foot path on the slope.

jeto\_s\_20110301\_179.jpg



Levee Mile Report Line	6
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site. Previously placed rip rap slipped, exposing the underlaying soils and creating a pocket.

jeto\_s\_20110301\_180.jpg



Levee Mile Report Line	6
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site. Rip rap no longer adequately protecting levee slope.

jeto\_s\_20110301\_181.jpg



**\* Location**

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CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	6
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site.

jeto\_s\_20110301\_182.jpg



Levee Mile Report Line	7
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	Earthen Levee
Item	Encroachments

05/11/2011 Trash mixed in with concrete debris pile, needs to be removed.

jeto\_s\_20110513\_476.jpg



Levee Mile Report Line	8
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

05/11/2011 Stump in slope, new growth in center of photo is at the location of the stump.

jeto\_s\_20110513\_477.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	10
Start Levee Mile	0.82
End Levee Mile	0.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Slope erosion from crown surface runoff and foot traffic.

jeto\_s\_20110301\_187.jpg



Levee Mile Report Line	12
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site. Existing scalloped erosion is immediately downstream of rip rap section.

jeto\_s\_20110301\_183.jpg



Levee Mile Report Line	12
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site where 1 to 2 feet of differential settlement has started to form.

jeto\_s\_20110301\_184.jpg



**\* Location**

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WS : Waterside  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2011

### Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	12
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site. Note the lateral crack along the middle slope

jeto\_s\_20110301\_185.jpg



Levee Mile Report Line	12
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site just above existing rip rap.

jeto\_s\_20110301\_186.jpg



Levee Mile Report Line	13
Start Levee Mile	1.27
End Levee Mile	1.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Tree prunings on levee slope should be removed.

jeto\_s\_20110301\_190.jpg



**\* Location**

LS : Landside  
WS : Waterside  
CR : Crown

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CO : Completely Obstructing  
N : Not Inspected/Rated

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	15
Start Levee Mile	1.37
End Levee Mile	1.37
Location	Water Side
Category	Earthen Levee
Item	Vegetation
05/11/2011 Elderberry bush on water side slope.	
jeto_s_20110513_478.jpg	



Levee Mile Report Line	16
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Front view of site where a small to medium sized Oak tree is located.	
jeto_s_20110301_170.jpg	



Levee Mile Report Line	16
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Upstream view of site where erosion pocket and foot traffic exists.	
jeto_s_20110301_171.jpg	

**\* Location**

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WS : Waterside  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	16
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site. Note existing broken concrete on the upper slope as well as on the lower slope and at the toe.

jeto\_s\_20110301\_172.jpg



Levee Mile Report Line	16
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site.

jeto\_s\_20110301\_173.jpg



Levee Mile Report Line	28
Start Levee Mile	2.84
End Levee Mile	2.87
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Large animal burrows on landside levee slope.

jeto\_s\_20110301\_193.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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/11/2011 05/11/2011	Jim Eto

Levee Mile Report Line	33
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Large animal burrows on landside levee slope.

jeto\_s\_20110301\_194.jpg



Levee Mile Report Line	38
Start Levee Mile	4.83
End Levee Mile	4.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrow on levee slope.

jeto\_s\_20110301\_196.jpg



Levee Mile Report Line	38
Start Levee Mile	4.83
End Levee Mile	4.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrows on levee slope.

jeto\_s\_20110301\_197.jpg



**\* Location**

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