

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

Reclamation District No. 1602 Del Puerto

	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. 1602 Del Puerto

Waterway				Bank	Unit Miles
Unit No. 01 San Joaquin River				Left	6.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/24/2011 - 5/24/2011				
DWR Inspector	Pavel Kazi				
Accompanied By	Tony Martinez RD1602				

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. 1602 Del Puerto

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.00	0.11	Earthen Levee	Encroachments	CR	PO	Buildings Inspector Comments: Animal pens across levee crown	37.476560 ° -121.083862 °	37.477295 ° -121.082087 °	1 Y
2	0.14	0.56	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Excessive vegetation at the landward toe.	37.477230 ° -121.081698 °	37.480320 ° -121.075007 °	2
3	0.14	0.56	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	37.477230 ° -121.081700 °	37.480320 ° -121.075010 °	30 Y
4	0.56	0.56	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.480210 ° -121.074953 °	37.480210 ° -121.074953 °	5 Y
5	0.59	0.59	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.480117 ° -121.074687 °	37.480117 ° -121.074687 °	3 Y
6	0.60	0.60	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.479968 ° -121.074583 °	37.479968 ° -121.074583 °	4 Y
7	0.60	0.72	Earthen Levee	Encroachments	WS	PO	Fences Inspector Comments: Barbed wire fence along the landward toe.	37.479967 ° -121.074582 °	37.478514 ° -121.073435 °	70 Y
8	0.78	0.78	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478011 ° -121.072617 °	37.478011 ° -121.072617 °	6
9	0.78	0.78	Interior Drainage & Piping Systems	Flap Gates	WS	M	Inspector Comments: Sediment has built up at the pipe outlet preventing the flap gate from closing.	37.477965 ° -121.072595 °	37.477965 ° -121.072595 °	72 Y
10	0.99	0.99	Earthen Levee	Encroachments	WS	PO	Ramp	37.478719 ° -121.069072 °	37.478719 ° -121.069072 °	36
11	1.02	1.02	Interior Drainage & Piping Systems	Encroachments	WS	M	Inspector Comments: Installation is incorrect and type of pipe (PVC)	37.478838 ° -121.068707 °	37.478838 ° -121.068707 °	9 Y
12	1.04	1.04	Interior Drainage & Piping Systems	Concrete Tilting / Settlement	WS	M	Inspector Comments: The outlet headwall is tilting away from the pipe rendering the existing flap gate ineffective. Repair gap between pipe and headwall and stabilize headwall to prevent further damage.	37.478678 ° -121.068305 °	37.478678 ° -121.068305 °	55 Y
13	1.07	1.07	Earthen Levee	Slope Stability	WS	M	Repair slope instability. Inspector Comments: small amount of slumping at water toe	37.478567 ° -121.067847 °	37.478567 ° -121.067847 °	37 Y
14	1.10	1.10	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.478454 ° -121.067209 °	37.478454 ° -121.067209 °	8 Y
15	1.13	1.13	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.478331 ° -121.066705 °	37.478331 ° -121.066705 °	7

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River							Left	6.29	05/24/2011 05/24/2011	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
16	1.16	1.16	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.478274 ° -121.066114 °	37.478274 ° -121.066114 °	18
17	1.32	1.32	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479265 ° -121.063560 °	37.479265 ° -121.063560 °	20 Y
18	1.46	1.46	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478943 ° -121.060987 °	37.478943 ° -121.060987 °	10 Y
19	1.82	1.82	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.474997 ° -121.057959 °	37.474997 ° -121.057959 °	58
20	1.94	2.00	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	37.473210 ° -121.057930 °	37.472425 ° -121.057850 °	31 Y
21	1.94	2.00	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	37.473210 ° -121.057933 °	37.472425 ° -121.057849 °	23
22	1.94	1.94	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.473189 ° -121.057893 °	37.473189 ° -121.057893 °	27
23	2.06	2.06	Earthen Levee	Animal Control	LS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Gopher holes	37.471561 ° -121.057563 °	37.471561 ° -121.057563 °	11 Y
24	2.08	2.08	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.471306 ° -121.057420 °	37.471306 ° -121.057420 °	39 Y
25	2.12	2.17	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.470834 ° -121.057121 °	37.470356 ° -121.056326 °	76
26	2.12	2.17	Earthen Levee	Animal Control	LS	A	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.470834 ° -121.057120 °	37.470356 ° -121.056330 °	33 Y
27	2.12	2.19	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	37.470697 ° -121.056990 °	37.470297 ° -121.056070 °	32 Y
28	2.12	2.19	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	37.470697 ° -121.056986 °	37.470297 ° -121.056067 °	29
29	2.24	3.45	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch Inspector Comments: Concrete ditch before the levee was built.	37.470119 ° -121.055117 °	37.459606 ° -121.043240 °	59 Y
30	2.49	2.49	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.469899 ° -121.050797 °	37.469899 ° -121.050797 °	12 Y
31	3.49	3.49	Earthen Levee	Encroachments	LS	C	Debris	37.459127 ° -121.043588 °	37.459127 ° -121.043588 °	44
32	3.73	3.73	Earthen Levee	Trim / Thin Trees	LS	A	Trim trees to at least five feet above ground level.	37.456063 ° -121.044150 °	37.456063 ° -121.044150 °	34 Y
33	3.73	3.73	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.456063 ° -121.044153 °	37.456063 ° -121.044153 °	49

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Left	6.29	05/24/2011 05/24/2011	Pavel Kazi	
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
34	3.80	3.85	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation at the toe.	37.455234 ° -121.043682 °	37.454675 ° -121.043147 °	50
35	3.80	3.80	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.455238 ° -121.043635 °	37.455238 ° -121.043635 °	83
36	3.80	3.85	Earthen Levee	Vegetation	WS	A	Control annual grass and weeds on the levee slopes and easements.	37.455234 ° -121.043680 °	37.454675 ° -121.043150 °	35 Y
37	3.83	3.83	Earthen Levee	Encroachments	LS	M	Garbage	37.454872 ° -121.043370 °	37.454872 ° -121.043370 °	15 Y
38	3.85	3.85	Earthen Levee	Encroachments	LS	PO	Landscaping	37.454574 ° -121.043142 °	37.454574 ° -121.043142 °	42 Y
39	3.96	3.96	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Significant damage to USACE constructed seepage berm due to human activity.	37.453216 ° -121.042127 °	37.453216 ° -121.042127 °	62 Y
40	3.97	4.07	Earthen Levee	Encroachments	LS	PO	Fences	37.452983 ° -121.042301 °	37.451866 ° -121.041206 °	63 Y
41	3.99	3.99	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.452805 ° -121.041769 °	37.452805 ° -121.041769 °	16 Y
42	4.04	4.04	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.452248 ° -121.041483 °	37.452248 ° -121.041483 °	51 Y
43	4.07	4.07	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	37.451735 ° -121.041216 °	37.451735 ° -121.041216 °	52
44	4.15	4.15	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.451051 ° -121.040109 °	37.451051 ° -121.040109 °	17 Y
45	4.23	4.23	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.450142 ° -121.039397 °	37.450142 ° -121.039397 °	53
46	4.23	4.29	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.450114 ° -121.039316 °	37.449388 ° -121.038810 °	87
47	4.38	4.44	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.448191 ° -121.038090 °	37.447408 ° -121.037651 °	89
48	4.49	4.49	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	37.446663 ° -121.037915 °	37.446663 ° -121.037915 °	57 Y
49	4.50	4.66	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.446485 ° -121.038037 °	37.444290 ° -121.037953 °	64
50	4.72	4.72	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.443481 ° -121.037736 °	37.443481 ° -121.037736 °	13 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Left	6.29	05/24/2011 05/24/2011	Pavel Kazi	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
51	4.92	4.92	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.440953 ° -121.036977 °	37.440953 ° -121.036977 °	14 Y
52	4.96	5.22	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA just sprayed the weeds yesterday.	37.440438 ° -121.037294 °	37.436857 ° -121.036650 °	19 Y
53	4.96	5.22	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.440437 ° -121.037292 °	37.436857 ° -121.036650 °	21 Y
54	5.22	5.22	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.436699 ° -121.036593 °	37.436699 ° -121.036593 °	54
55	5.25	5.25	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Possible dog made the rodent hole worse than before.	37.436503 ° -121.036374 °	37.436503 ° -121.036374 °	24 Y
56	5.30	5.76	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.435967 ° -121.035802 °	37.432997 ° -121.029343 °	28
57	5.30	5.89	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.435967 ° -121.035802 °	37.433134 ° -121.027017 °	26
58	5.31	5.31	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.435867 ° -121.035649 °	37.435867 ° -121.035649 °	101
59	5.34	5.34	Earthen Levee	Slope Stability	LS	M	Repair slope instability.	37.435533 ° -121.035371 °	37.435533 ° -121.035371 °	102 Y
60	5.34	5.34	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.435529 ° -121.035314 °	37.435529 ° -121.035314 °	60
61	5.36	5.36	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.435236 ° -121.035271 °	37.435236 ° -121.035271 °	61 Y
62	5.38	5.38	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.434953 ° -121.035183 °	37.434953 ° -121.035183 °	25
63	5.40	5.40	Earthen Levee	Slope Stability	LS	M	Repair slope instability.	37.434699 ° -121.035063 °	37.434699 ° -121.035063 °	105 Y
64	5.51	5.54	Earthen Levee	Encroachments	LS	PO	Fences	37.433482 ° -121.033616 °	37.433299 ° -121.033338 °	22

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.11
Location	Crown
Category	Earthen Levee
Item	Encroachments

Looking at animal pens on crown of levee from LM 0.00 to 0.11

pkazi_s_20110328_366.jpg



Levee Mile Report Line	3
Start Levee Mile	0.14
End Levee Mile	0.56
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation complies with the standards on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_613.jpg



Levee Mile Report Line	4
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of rodent holes on the waterward slope looking waterward.

pkazi_s_20110328_368.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

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Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	5
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside of the levee. The picture was taken from the toe of waterside of the levee looking upstream.

pkazi_s_20110526_614.jpg



Levee Mile Report Line	6
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside of the levee. The picture was taken from the toe of the waterside of the levee looking upstream.

pkazi_s_20110526_615.jpg



Levee Mile Report Line	7
Start Levee Mile	0.60
End Levee Mile	0.72
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of barbed wire fence at landward toe looking upstream.

pkazi_s_20110328_380.jpg



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Levee Inspections**

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Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	9
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates

View of a flap gate with sediment preventing it from closing.

pkazi_s_20110328_381.jpg



Levee Mile Report Line	11
Start Levee Mile	1.02
End Levee Mile	1.02
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Encroachments

PVC sleeve through steel pipe on waterward slope at LM 1.02

pkazi_s_20110328_369.jpg



Levee Mile Report Line	11
Start Levee Mile	1.02
End Levee Mile	1.02
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Encroachments

PVC pipe connected to steel pipe on landward toe at LM 1.02

pkazi_s_20110328_370.jpg



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Levee Inspections**

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Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	12
Start Levee Mile	1.04
End Levee Mile	1.04
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Concrete Tilting / Settlement

Separation of outfall structure from the outlet pipe at LM 1.04.

pkazi_s_20110328_376.jpg



Levee Mile Report Line	12
Start Levee Mile	1.04
End Levee Mile	1.04
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Concrete Tilting / Settlement

Additional view of outfall structure at LM 1.04.

pkazi_s_20110328_377.jpg



Levee Mile Report Line	13
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

small amount of slumping at water toe

pkazi_s_20110328_374.JPG



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**Flood Control Project Maintenance
Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
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Levee Mile Report Line	13
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Depression at the waterside slope of the levee during Spring 2011 inspection.

pkazi_s_20110526_616.jpg



Levee Mile Report Line	14
Start Levee Mile	1.10
End Levee Mile	1.10
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent hole was found on the waterside of the levee. The picture was taken from waterside looking upstream.

pkazi_s_20110526_617.jpg



Levee Mile Report Line	17
Start Levee Mile	1.32
End Levee Mile	1.32
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of vegetation along the landward slope and toe blocking visibility and access looking upstream.

pkazi_s_20110328_373.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. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	18
Start Levee Mile	1.46
End Levee Mile	1.46
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent hole on the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_618.jpg



Levee Mile Report Line	20
Start Levee Mile	1.94
End Levee Mile	2.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation complies with the standards on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_620.jpg



Levee Mile Report Line	23
Start Levee Mile	2.06
End Levee Mile	2.06
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Gopher holes were found on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_619.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. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	24
Start Levee Mile	2.08
End Levee Mile	2.08
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Gopher holes on the waterside of the levee. The picture was taken from the crown looking upstream.	
pkazi_s_20110526_621.jpg	



Levee Mile Report Line	26
Start Levee Mile	2.12
End Levee Mile	2.17
Location	Land Side
Category	Earthen Levee
Item	Animal Control
No rodent holes were visible on the landside of the levee. The picture was taken from the crown looking toward the landside slope.	
pkazi_s_20110526_623.jpg	



Levee Mile Report Line	27
Start Levee Mile	2.12
End Levee Mile	2.19
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Vegetation complies with the standards on the landside of the levee. The picture was taken from the crown looking upstream.	
pkazi_s_20110526_622.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
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	29
Start Levee Mile	2.24
End Levee Mile	3.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Concrete drain was built at the toe of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_624.jpg



Levee Mile Report Line	30
Start Levee Mile	2.49
End Levee Mile	2.49
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_625.jpg



Levee Mile Report Line	32
Start Levee Mile	3.73
End Levee Mile	3.73
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Trees and vegetation complies with standards on the landside of the slope. The picture was taken from the crown looking upstream.

pkazi_s_20110526_626.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	36
Start Levee Mile	3.80
End Levee Mile	3.85
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Vegetation complies with standards on the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_627.jpg



Levee Mile Report Line	37
Start Levee Mile	3.83
End Levee Mile	3.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Garbage was found on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_628.jpg



Levee Mile Report Line	38
Start Levee Mile	3.85
End Levee Mile	3.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Remove landscaping from within 10' of landside toe

pkazi_s_20110328_375.JPG



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	39
Start Levee Mile	3.96
End Levee Mile	3.96
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Repair damage to USACE constructed seepage berm by pedestrian and cycle traffic at LM 3.96.	
pkazi_s_20110328_378.jpg	



Levee Mile Report Line	40
Start Levee Mile	3.97
End Levee Mile	4.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of a barbed wire fence on the landward slope looking upstream.	
pkazi_s_20110328_379.jpg	



Levee Mile Report Line	41
Start Levee Mile	3.99
End Levee Mile	3.99
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent hole at the waterside slope of the levee. The picture was taken from the crown looking upstream.	
pkazi_s_20110526_629.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	42
Start Levee Mile	4.04
End Levee Mile	4.04
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent hole was found the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_630.jpg



Levee Mile Report Line	44
Start Levee Mile	4.15
End Levee Mile	4.15
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent hole was found on the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110526_631.jpg



Levee Mile Report Line	48
Start Levee Mile	4.49
End Levee Mile	4.49
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Crown depression on the levee looking upstream.

pkazi_s_20110526_632.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	50
Start Levee Mile	4.72
End Levee Mile	4.72
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of rodent holes on the landward slope looking upstream.

pkazi_s_20110328_371.jpg



Levee Mile Report Line	51
Start Levee Mile	4.92
End Levee Mile	4.92
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of trees blocking visibility on the landward slope looking upstream.

pkazi_s_20110328_372.jpg



Levee Mile Report Line	52
Start Levee Mile	4.96
End Levee Mile	5.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Annual vegetation control needs to be done, but according to LMA the landside slope has been sprayed on (5-23-11). The picture is taken from the crown looking upstream.

pkazi_s_20110527_633.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	53
Start Levee Mile	4.96
End Levee Mile	5.22
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Vegetation obstructing the view of the waterside slope of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110527_634.jpg



Levee Mile Report Line	55
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes possibly made worsen by dog digging through it. It is located on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110527_635.jpg



Levee Mile Report Line	59
Start Levee Mile	5.34
End Levee Mile	5.34
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of significant damage and erosion to the landward slope looking upstream.

pkazi_s_20110328_382.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/24/2011 05/24/2011	Pavel Kazi

Levee Mile Report Line	61
Start Levee Mile	5.36
End Levee Mile	5.36
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation was obstructing the view of the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20110527_636.jpg



Levee Mile Report Line	63
Start Levee Mile	5.40
End Levee Mile	5.40
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of tilling into the landward slope of the levee looking upstream. This slope has also been significantly damaged by rodent activity.

pkazi_s_20110328_383.jpg



*** Location**

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