

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2013 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin***

<b>RD1602</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 1602 Del Puerto</b>	<b>U</b>	<b>6.29</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.68		1.68	26.71%	0.01			
Encroachments	0.02		0.02	0.32%	3.32			
Animal Control	0.47	0.02	0.55	8.74%				
Slope Stability	0.04		0.04	0.64%				
<i>Interior Drainage &amp; Piping Systems</i>								
Encroachments	0.01		0.01	0.16%				
Flap Gates	0.01		0.01	0.16%				
Concrete Tilting / Settlement	0.01		0.01	0.16%				
<b>LMA Totals:</b>	2.24	0.02	2.32	36.88%	3.33	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2013 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)			U	

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

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

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 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)			U	
Date of Inspection	04/03/2013 - 04/03/2013		10/03/2013 - 10/03/2013	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By	Tony Martinez RD1602		Tony Martinez RD1602	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River				Left	6.29	10/03/2013 10/03/2013	Pavel Kazi	

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	LS	A Ma	Inspector Comments: The LMA has all the O&M manuals.	°	°	39
DWR ID: DWR_RD1602_01_s_2012_39										
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	LS	A Ma	Inspector Comments: The LMA has enough flood materials in case of an incident.	°	°	77
DWR ID: DWR_RD1602_01_s_2012_77										
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	LS	A Ma	Inspector Comments: The LMA has solid understanding and most of them have flood preparedness training.	°	°	97
DWR ID: DWR_RD1602_01_s_2012_97										
4	0.00	0.11	Earthen Levee	Encroachments	CR	M En	BU : Building Inspector Comments: Animal pens across levee crown.	37.476560 ° -121.083862 °	37.477295 ° -121.082087 °	1 Y
DWR ID: DWR_RD1602_01_s_2012_1										
5	0.32	0.32	Earthen Levee	Animal Control	WS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large animal hole on the waterside shoulder of the levee.	37.478555 ° -121.078851 °	37.478555 ° -121.078851 °	21 Y
DWR ID: DWR_RD1602_01_s_2012_21										
6	0.37	0.37	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478881 ° -121.078131 °	37.478881 ° -121.078131 °	23 Y
DWR ID: DWR_RD1602_01_s_2012_23										
7	0.47	0.47	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479678 ° -121.076418 °	37.479678 ° -121.076418 °	14 Y
DWR ID: DWR_RD1602_01_f_2013_14										
8	0.56	0.56	Earthen Levee	Animal Control	WS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.480210 ° -121.074953 °	37.480210 ° -121.074953 °	5 Y
DWR ID: DWR_RD1602_01_s_2012_5										
9	0.60	0.60	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.479968 ° -121.074583 °	37.479968 ° -121.074583 °	4 Y
DWR ID: DWR_RD1602_01_s_2012_4										
10	0.60	0.72	Earthen Levee	Encroachments	WS	M En	FE : Fence Inspector Comments: Barbed wire fence along the landward toe.	37.479967 ° -121.074582 °	37.478514 ° -121.073435 °	70 Y
DWR ID: DWR_RD1602_01_s_2012_70										
11	0.63	0.63	Earthen Levee	Animal Control	WS	A Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: The LMA repaired the rodent hole in this area.	37.479559 ° -121.074301 °	37.479559 ° -121.074301 °	2 Y
DWR ID: DWR_RD1602_01_s_2013_2										
12	0.64	0.64	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479390 ° -121.074177 °	37.479390 ° -121.074177 °	38 Y
DWR ID: DWR_RD1602_01_f_2012_38										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
13	0.66	0.66	Earthen Levee	Animal Control	LS	U <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large animal holes on the landside shoulder of the levee.	37.479202 ° -121.074042 °	37.479202 ° -121.074042 °	41 Y
DWR ID: DWR_RD1602_01_s_2012_41										
14	0.67	0.67	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.479030 ° -121.073909 °	37.479030 ° -121.073909 °	29 Y
DWR ID: DWR_RD1602_01_s_2012_29										
15	0.69	0.69	Earthen Levee	Animal Control	WS	M <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478792 ° -121.073740 °	37.478792 ° -121.073740 °	26 Y
DWR ID: DWR_RD1602_01_f_2013_26										
16	0.69	0.69	Earthen Levee	Animal Control	LS	M <sub>Ma</sub>	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.478788 ° -121.073740 °	37.478788 ° -121.073740 °	31 Y
DWR ID: DWR_RD1602_01_s_2012_31										
17	0.71	0.71	Earthen Levee	Animal Control	WS	M <sub>Ma</sub>	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.478629 ° -121.073590 °	37.478629 ° -121.073590 °	32 Y
DWR ID: DWR_RD1602_01_s_2012_32										
18	0.78	0.78	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478011 ° -121.072617 °	37.478011 ° -121.072617 °	6 Y
DWR ID: DWR_RD1602_01_s_2012_6										
19	0.78	0.78	Interior Drainage & Piping Systems	Flap Gates	WS	M <sub>Ma</sub>	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
DWR ID: DWR_RD1602_01_s_2012_72										
20	0.81	0.81	Earthen Levee	Animal Control	WS	M <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.477844 ° -121.072132 °	37.477844 ° -121.072132 °	57 Y
DWR ID: DWR_RD1602_01_s_2012_57										
21	0.83	0.83	Earthen Levee	Animal Control	WS	M <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.477907 ° -121.071754 °	37.477907 ° -121.071754 °	76 Y
DWR ID: DWR_RD1602_01_s_2012_76										
22	0.91	0.91	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	° °	° °	3 Y
DWR ID: DWR_RD1602_01_s_2013_3										
23	0.95	0.95	Earthen Levee	Animal Control	WS	M <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478474 ° -121.069586 °	37.478474 ° -121.069586 °	47 Y
DWR ID: DWR_RD1602_01_f_2012_47										
24	0.99	0.99	Earthen Levee	Encroachments	WS	M <sub>En</sub>	RA : Ramp	37.478719 ° -121.069072 °	37.478719 ° -121.069072 °	36 Y
DWR ID: DWR_RD1602_01_s_2012_36										
25	1.02	1.02	Interior Drainage & Piping Systems	Encroachments	WS	M <sub>Ma</sub>	Inspector Comments: Incorrect installation and type of pipe (PVC).	37.478838 ° -121.068707 °	37.478838 ° -121.068707 °	9 Y
DWR ID: DWR_RD1602_01_s_2012_9										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River				Left	6.29	10/03/2013 10/03/2013	Pavel Kazi	

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
26	1.04	1.04	Interior Drainage & Piping Systems	Concrete Tilting / Settlement	WS	M Ma	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
DWR ID: DWR_RD1602_01_s_2012_55										
27	1.06	1.06	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478577 ° -121.067920 °	37.478577 ° -121.067920 °	28 Y
DWR ID: DWR_RD1602_01_f_2013_28										
28	1.07	1.07	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability. Inspector Comments: Small amount of slumping at waterside toe of the levee.	37.478567 ° -121.067847 °	37.478567 ° -121.067847 °	37 Y
DWR ID: DWR_RD1602_01_s_2012_37										
29	1.09	1.09	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478436 ° -121.067148 °	37.478436 ° -121.067148 °	10 Y
DWR ID: DWR_RD1602_01_s_2013_10										
30	1.10	1.10	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.478454 ° -121.067209 °	37.478454 ° -121.067209 °	8 Y
DWR ID: DWR_RD1602_01_s_2012_8										
31	1.11	1.11	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478371 ° -121.066793 °	37.478371 ° -121.066793 °	11 Y
DWR ID: DWR_RD1602_01_s_2013_11										
32	1.12	1.12	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478372 ° -121.066797 °	37.478372 ° -121.066797 °	56 Y
DWR ID: DWR_RD1602_01_f_2012_56										
33	1.13	1.13	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.478331 ° -121.066705 °	37.478331 ° -121.066705 °	7 Y
DWR ID: DWR_RD1602_01_s_2012_7										
34	1.15	1.15	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478285 ° -121.066299 °	37.478285 ° -121.066299 °	65 Y
DWR ID: DWR_RD1602_01_f_2012_65										
35	1.16	1.16	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478256 ° -121.065898 °	37.478256 ° -121.065898 °	12 Y
DWR ID: DWR_RD1602_01_s_2013_12										
36	1.17	1.17	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478267 ° -121.065895 °	37.478267 ° -121.065895 °	78 Y
DWR ID: DWR_RD1602_01_s_2012_78										
37	1.19	1.19	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478324 ° -121.065444 °	37.478324 ° -121.065444 °	79 Y
DWR ID: DWR_RD1602_01_s_2012_79										
38	1.21	1.21	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478391 ° -121.065111 °	37.478391 ° -121.065111 °	80 Y
DWR ID: DWR_RD1602_01_s_2012_80										
39	1.23	1.23	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478522 ° -121.064723 °	37.478522 ° -121.064723 °	98 Y
DWR ID: DWR_RD1602_01_f_2012_98										

**\* Location**

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WS : Water Side  
CR : Crown

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
40	1.27	1.27	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478761 ° -121.064313 °	37.478761 ° -121.064313 °	30 Y
DWR ID: DWR_RD1602_01_f_2013_30										
41	1.62	2.29	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Fences at the landside toe of the levee.	37.477663 ° -121.058716 °	37.470264 ° -121.054377 °	43 Y
DWR ID: DWR_RD1602_01_s_2012_43										
42	1.62	1.62	Earthen Levee	Animal Control	LS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.477661 ° -121.058715 °	37.477661 ° -121.058715 °	44 Y
DWR ID: DWR_RD1602_01_s_2012_44										
43	1.68	1.68	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.476880 ° -121.058329 °	37.476880 ° -121.058329 °	103 Y
DWR ID: DWR_RD1602_01_f_2012_103										
44	1.69	1.69	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.476576 ° -121.058174 °	37.476576 ° -121.058174 °	18 Y
DWR ID: DWR_RD1602_01_s_2013_18										
45	1.81	2.65	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.475151 ° -121.057956 °	37.468636 ° -121.048630 °	33 Y
DWR ID: DWR_RD1602_01_f_2013_33										
46	1.82	1.82	Earthen Levee	Animal Control	LS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.474997 ° -121.057959 °	37.474997 ° -121.057959 °	58 Y
DWR ID: DWR_RD1602_01_s_2012_58										
47	1.94	1.94	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.473189 ° -121.057893 °	37.473189 ° -121.057893 °	27 Y
DWR ID: DWR_RD1602_01_s_2012_27										
48	2.03	2.03	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment Inspector Comments: A well is present at the toe of the landside of the slope.	37.471734 ° -121.057670 °	37.471734 ° -121.057670 °	45 Y
DWR ID: DWR_RD1602_01_s_2012_45										
49	2.06	2.06	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.471507 ° -121.057542 °	37.471507 ° -121.057542 °	82 Y
DWR ID: DWR_RD1602_01_s_2012_82										
50	2.09	2.09	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.471240 ° -121.057388 °	37.471240 ° -121.057388 °	84 Y
DWR ID: DWR_RD1602_01_s_2012_84										
51	2.11	2.11	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.470858 ° -121.057140 °	37.470858 ° -121.057140 °	85 Y
DWR ID: DWR_RD1602_01_s_2012_85										
52	2.12	2.12	Earthen Levee	Animal Control	CR	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.470575 ° -121.056850 °	37.470575 ° -121.056850 °	19 Y
DWR ID: DWR_RD1602_01_s_2013_19										
53	2.18	2.18	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.470323 ° -121.056148 °	37.470323 ° -121.056148 °	86 Y
DWR ID: DWR_RD1602_01_s_2012_86										
54	2.20	2.20	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.470245 ° -121.055793 °	37.470245 ° -121.055793 °	34 Y
DWR ID: DWR_RD1602_01_f_2013_34										

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
55	2.24	3.45	Earthen Levee	Encroachments	LS	M <sub>En</sub>	DT : Ditch Inspector Comments: Concrete ditch was constructed before the levee was built.	37.470119 ° -121.055117 °	37.459606 ° -121.043240 °	59 Y
DWR ID: DWR_RD1602_01_s_2012_59										
56	2.29	2.29	Earthen Levee	Animal Control	WS	M <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.470290 ° -121.054278 °	37.470290 ° -121.054278 °	35 Y
DWR ID: DWR_RD1602_01_f_2013_35										
57	2.49	2.49	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.469907 ° -121.050834 °	37.469907 ° -121.050834 °	46 Y
DWR ID: DWR_RD1602_01_s_2012_46										
58	2.59	2.59	Earthen Levee	Animal Control	CR	M <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.468945 ° -121.049008 °	37.468945 ° -121.049008 °	20 Y
DWR ID: DWR_RD1602_01_s_2013_20										
59	2.60	2.60	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.469109 ° -121.049215 °	37.469109 ° -121.049215 °	87 Y
DWR ID: DWR_RD1602_01_s_2012_87										
60	2.62	2.62	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.468929 ° -121.048984 °	37.468929 ° -121.048984 °	88 Y
DWR ID: DWR_RD1602_01_s_2012_88										
61	2.65	2.65	Earthen Levee	Animal Control	LS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.468625 ° -121.048613 °	37.468625 ° -121.048613 °	89 Y
DWR ID: DWR_RD1602_01_s_2012_89										
62	2.92	3.31	Earthen Levee	Vegetation	WS	M <sub>Ma</sub>	V1 : Control annual grass and weeds on the levee slopes and easements.	37.465782 ° -121.045094 °	37.461370 ° -121.041644 °	40 Y
DWR ID: DWR_RD1602_01_f_2013_40										
63	2.93	2.93	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.465762 ° -121.045074 °	37.465762 ° -121.045074 °	91 Y
DWR ID: DWR_RD1602_01_s_2012_91										
64	2.99	3.10	Earthen Levee	Vegetation	LS	M <sub>Ma</sub>	V1 : Control annual grass and weeds on the levee slopes and easements.	37.465057 ° -121.044461 °	37.463804 ° -121.043132 °	48 Y
DWR ID: DWR_RD1602_01_f_2013_48										
65	3.13	3.32	Earthen Levee	Vegetation	LS	M <sub>Ma</sub>	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.463500 ° -121.042699 °	37.461243 ° -121.041713 °	49 Y
DWR ID: DWR_RD1602_01_s_2012_49										
66	3.32	3.49	Earthen Levee	Encroachments	LS	M <sub>En</sub>	DT : Ditch Inspector Comments: Concrete lined ditch on the landside toe of the levee.	37.461147 ° -121.041785 °	37.459242 ° -121.043582 °	54 Y
DWR ID: DWR_RD1602_01_f_2013_54										
67	3.39	3.56	Earthen Levee	Encroachments	WS	M <sub>En</sub>	DT : Ditch Inspector Comments: A ditch is located on waterside toe of the levee.	37.460327 ° -121.042497 °	37.458373 ° -121.044081 °	50 Y
DWR ID: DWR_RD1602_01_s_2012_50										
68	3.42	3.42	Earthen Levee	Animal Control	WS	C <sub>Ma</sub>	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.460021 ° -121.042766 °	37.460021 ° -121.042766 °	92 Y
DWR ID: DWR_RD1602_01_s_2012_92										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
69	3.47	3.47	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.459511 ° -121.043350 °	37.459511 ° -121.043350 °	93 Y
DWR ID: DWR_RD1602_01_s_2012_93										
70	3.52	3.52	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.458810 ° -121.043850 °	37.458810 ° -121.043850 °	106 Y
DWR ID: DWR_RD1602_01_f_2012_106										
71	3.53	3.53	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.458762 ° -121.043875 °	37.458762 ° -121.043875 °	107 Y
DWR ID: DWR_RD1602_01_f_2012_107										
72	3.54	3.54	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.458139 ° -121.044225 °	37.458139 ° -121.044225 °	25 Y
DWR ID: DWR_RD1602_01_s_2013_25										
73	3.67	3.67	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.456775 ° -121.044704 °	37.456775 ° -121.044704 °	108 Y
DWR ID: DWR_RD1602_01_f_2012_108										
74	3.80	3.80	Earthen Levee	Animal Control	WS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.455238 ° -121.043635 °	37.455238 ° -121.043635 °	83 Y
DWR ID: DWR_RD1602_01_s_2012_83										
75	3.83	3.83	Earthen Levee	Encroachments	LS Ma	M	GA : Garbage	37.454872 ° -121.043370 °	37.454872 ° -121.043370 °	15 Y
DWR ID: DWR_RD1602_01_s_2012_15										
76	3.85	3.85	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	37.454574 ° -121.043142 °	37.454574 ° -121.043142 °	42 Y
DWR ID: DWR_RD1602_01_s_2012_42										
77	3.90	3.96	Earthen Levee	Encroachments	LS En	M	FE : Fence	37.453936 ° -121.042673 °	37.453309 ° -121.042191 °	66 Y
DWR ID: DWR_RD1602_01_f_2013_66										
78	3.91	3.91	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.453891 ° -121.042629 °	37.453891 ° -121.042629 °	94 Y
DWR ID: DWR_RD1602_01_s_2012_94										
79	3.96	3.96	Earthen Levee	Slope Stability	LS Ma	M	S3 : 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
DWR ID: DWR_RD1602_01_s_2012_62										
80	3.97	4.07	Earthen Levee	Encroachments	LS En	M	FE : Fence	37.452983 ° -121.042301 °	37.451866 ° -121.041206 °	63 Y
DWR ID: DWR_RD1602_01_s_2012_63										
81	3.99	3.99	Earthen Levee	Animal Control	WS Ma	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.452805 ° -121.041769 °	37.452805 ° -121.041769 °	16 Y
DWR ID: DWR_RD1602_01_s_2012_16										
82	4.00	4.00	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.452820 ° -121.041776 °	37.452820 ° -121.041776 °	95 Y
DWR ID: DWR_RD1602_01_s_2012_95										
83	4.05	4.05	Earthen Levee	Animal Control	WS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.452207 ° -121.041350 °	37.452207 ° -121.041350 °	68 Y
DWR ID: DWR_RD1602_01_f_2013_68										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
84	4.11	4.11	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.451520 ° -121.040699 °	37.451520 ° -121.040699 °	51 Y
DWR ID: DWR_RD1602_01_f_2012_51										
85	4.15	4.15	Earthen Levee	Animal Control	WS	M Ma	A3 : 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
DWR ID: DWR_RD1602_01_s_2012_17										
86	4.23	4.23	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.450142 ° -121.039397 °	37.450142 ° -121.039397 °	53 Y
DWR ID: DWR_RD1602_01_s_2012_53										
87	4.37	4.37	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.448327 ° -121.038192 °	37.448327 ° -121.038192 °	52 Y
DWR ID: DWR_RD1602_01_f_2012_52										
88	4.39	4.39	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.448076 ° -121.038037 °	37.448076 ° -121.038037 °	109 Y
DWR ID: DWR_RD1602_01_f_2012_109										
89	4.45	4.92	Earthen Levee	Encroachments	LS	M En	FE : Fence	37.447213 ° -121.037665 °	37.441014 ° -121.036932 °	67 Y
DWR ID: DWR_RD1602_01_s_2012_67										
90	4.50	4.66	Earthen Levee	Encroachments	LS	M En	DT : Ditch	37.446485 ° -121.038037 °	37.444290 ° -121.037953 °	64 Y
DWR ID: DWR_RD1602_01_s_2012_64										
91	4.72	4.72	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.443481 ° -121.037736 °	37.443481 ° -121.037736 °	13 Y
DWR ID: DWR_RD1602_01_s_2012_13										
92	5.25	5.25	Earthen Levee	Animal Control	LS	M Ma	A3 : 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
DWR ID: DWR_RD1602_01_s_2012_24										
93	5.34	5.34	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	37.435533 ° -121.035371 °	37.435533 ° -121.035371 °	102 Y
DWR ID: DWR_RD1602_01_s_2012_102										
94	5.34	5.34	Earthen Levee	Animal Control	LS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.435529 ° -121.035314 °	37.435529 ° -121.035314 °	60 Y
DWR ID: DWR_RD1602_01_s_2012_60										
95	5.36	5.36	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.435236 ° -121.035271 °	37.435236 ° -121.035271 °	61 Y
DWR ID: DWR_RD1602_01_s_2012_61										
96	5.40	5.40	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	37.434699 ° -121.035063 °	37.434699 ° -121.035063 °	105 Y
DWR ID: DWR_RD1602_01_s_2012_105										
97	5.40	5.54	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.434619 ° -121.035031 °	37.433277 ° -121.033318 °	75 Y
DWR ID: DWR_RD1602_01_s_2012_75										
98	5.42	5.49	Earthen Levee	Encroachments	LS	M En	FE : Fence	37.434447 ° -121.034865 °	37.433791 ° -121.034000 °	22 Y
DWR ID: DWR_RD1602_01_f_2012_22										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	4
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_f_20131001_817.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.32
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside of the slope. The picture was taken from the toe looking toward the crown.	
pkazi_f_20131001_841.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.32
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside of the slope taken from the toe looking toward the crown. This picture was taken during the spring 2012 inspection.	
pkazi_f_20131001_842.jpg	



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	5
Start Levee Mile	0.32
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the rodent hole on the waterside shoulder of the levee looking from toe of the levee. The picture was taken during the fall 2012 inspection.

pkazi\_f\_20131001\_843.jpg



Levee Mile Report Line	5
Start Levee Mile	0.32
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the animal hole on the waterside shoulder of the levee during spring 2013 inspection.

pkazi\_f\_20131001\_844.JPG



Levee Mile Report Line	5
Start Levee Mile	0.32
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the animal hole on the waterside shoulder of the levee during fall 2013 inspection.

pkazi\_f\_20131019\_960.JPG



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	6
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi\_f\_20131001\_846.jpg



Levee Mile Report Line	6
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the rodent holes on the waterside shoulder of the levee looking downstream taken during the fall 2012 inspection.

pkazi\_f\_20131001\_847.jpg



Levee Mile Report Line	6
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the rodent hole on the waterside shoulder of the levee looking upstream during spring 2013 inspection.

pkazi\_f\_20131001\_848.JPG



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	6
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the rodent holes on the waterside shoulder of the levee. The picture was taken looking downstream during the fall 2013 inspection.

pkazi\_f\_20131019\_961.JPG



Levee Mile Report Line	7
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside of the levee looking upstream.

pkazi\_f\_20131020\_962.JPG



Levee Mile Report Line	9
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\_f\_20131001\_820.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	9
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside slope looking from the toe of the levee.	
pkazi_f_20131001_821.jpg	



Levee Mile Report Line	10
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_f_20131001_887.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.63
End Levee Mile	0.63
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent holes were repaired on the waterside slope of the levee looking upstream.	
pkazi_f_20131001_818.JPG	



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	12
Start Levee Mile	0.64
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the landside shoulder of the levee looking upstream.

pkazi\_f\_20131001\_863.jpg



Levee Mile Report Line	12
Start Levee Mile	0.64
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the rodent holes on the landside shoulder of the levee looking upstream.

pkazi\_f\_20131020\_963.JPG



Levee Mile Report Line	13
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the landside of the levee. The picture was taken from the toe of the levee looking towards the crown.

pkazi\_f\_20131001\_864.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	13
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside slope of the levee looking towards the crown during spring 2013 inspection.

pkazi\_f\_20131001\_865.JPG



Levee Mile Report Line	13
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Large rodent holes were found on the landside shoulder of the levee looking upstream.

pkazi\_f\_20131020\_964.JPG



Levee Mile Report Line	15
Start Levee Mile	0.69
End Levee Mile	0.69
Location	Water Side
Category	Earthen Levee
Item	Animal Control

An animal hole was found on the waterside shoulder of the levee looking upstream.

pkazi\_f\_20131020\_965.JPG



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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	16
Start Levee Mile	0.69
End Levee Mile	0.69
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Animal burrow was found on the landside of the levee. The picture was taken from the toe of the levee looking upstream.	
pkazi_f_20131001_856.jpg	



Levee Mile Report Line	16
Start Levee Mile	0.69
End Levee Mile	0.69
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodent holes were found on the landside of the levee looking upstream.	
pkazi_f_20131001_857.jpg	



Levee Mile Report Line	17
Start Levee Mile	0.71
End Levee Mile	0.71
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent holes were found on the waterside of the levee. The picture was taken from toe of the levee looking upstream.	
pkazi_f_20131001_858.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	19
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\_f\_20131001\_888.jpg



Levee Mile Report Line	19
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates

Debris and sediments were obstructing the flap gate. The picture was taken from toe of waterside of the levee looking towards the crown. This picture was taken during the fall 2011 inspection.

pkazi\_f\_20131001\_889.jpg



Levee Mile Report Line	19
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates

Debris and sediments were obstructing the flap gate from closing completely. The picture was taken from toe of waterside of the levee during the fall 2012 inspection.

pkazi\_f\_20131001\_890.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	19
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates

Debris were obstructing the flap gate from closing completely. The picture was taken from toe of waterside of the levee during the fall 2013 inspection.

pkazi\_f\_20131020\_966.JPG



Levee Mile Report Line	20
Start Levee Mile	0.81
End Levee Mile	0.81
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside of the levee looking upstream.

pkazi\_f\_20131001\_879.jpg



Levee Mile Report Line	20
Start Levee Mile	0.81
End Levee Mile	0.81
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the rodent hole on the waterside slope of the levee looking upstream during spring 2013 inspection.

pkazi\_f\_20131001\_880.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	21
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside of the levee looking downstream.	
pkazi_f_20131001_892.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Updated picture of the rodent hole on the waterside slope of the levee looking downstream.	
pkazi_f_20131001_893.jpg	



Levee Mile Report Line	23
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside slope of the levee looking upstream.	
pkazi_f_20131001_871.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	23
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of a rodent hole on the waterside slope of the levee looking upstream during fall 2013 inspection.

pkazi\_f\_20131020\_967.JPG



Levee Mile Report Line	24
Start Levee Mile	0.99
End Levee Mile	0.99
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the ramp on the crown. The picture was taken from crown looking downstream.

pkazi\_f\_20131001\_859.jpg



Levee Mile Report Line	25
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\_f\_20131001\_827.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	25
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\_f\_20131001\_828.jpg



Levee Mile Report Line	26
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\_f\_20131001\_876.jpg



Levee Mile Report Line	26
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\_f\_20131001\_877.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	27
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131020\_968.JPG



Levee Mile Report Line	28
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\_f\_20131001\_860.JPG



Levee Mile Report Line	28
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\_f\_20131001\_861.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	28
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Updated picture of the depression at the waterside toe of the levee. The picture was taken from the crown of the levee looking upstream.

pkazi\_f\_20131001\_862.jpg



Levee Mile Report Line	30
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\_f\_20131001\_826.jpg



Levee Mile Report Line	31
Start Levee Mile	1.11
End Levee Mile	1.11
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131001\_830.JPG



**\* Location**

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WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	31
Start Levee Mile	1.11
End Levee Mile	1.11
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside slope of the levee looking downstream.

pkazi\_f\_20131020\_969.JPG



Levee Mile Report Line	32
Start Levee Mile	1.12
End Levee Mile	1.12
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking upstream.

pkazi\_f\_20131001\_878.jpg



Levee Mile Report Line	33
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Animal burrow was found on the landside of the levee. The picture was taken from the toe of the levee looking upstream.

pkazi\_f\_20131001\_825.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	34
Start Levee Mile	1.15
End Levee Mile	1.15
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi\_f\_20131001\_885.jpg



Levee Mile Report Line	34
Start Levee Mile	1.15
End Levee Mile	1.15
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of rodent hole on the waterside slope of the levee looking upstream during fall 2013 inspection.

pkazi\_f\_20131020\_970.JPG



Levee Mile Report Line	35
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside shoulder of the levee looking downstream.

pkazi\_f\_20131001\_831.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	36
Start Levee Mile	1.17
End Levee Mile	1.17
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131001\_894.jpg



Levee Mile Report Line	37
Start Levee Mile	1.19
End Levee Mile	1.19
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131001\_895.JPG



Levee Mile Report Line	38
Start Levee Mile	1.21
End Levee Mile	1.21
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent hole on the waterside shoulder of the levee looking upstream.

pkazi\_f\_20131001\_896.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	39
Start Levee Mile	1.23
End Levee Mile	1.23
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent holes were found on the waterside toe of the levee looking downstream.	
pkazi_f_20131001_907.jpg	



Levee Mile Report Line	40
Start Levee Mile	1.27
End Levee Mile	1.27
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside shoulder of the levee looking downstream.	
pkazi_f_20131020_971.JPG	



Levee Mile Report Line	41
Start Levee Mile	1.62
End Levee Mile	2.29
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence on the landside toe of the levee. The picture was taken from crown looking upstream.	
pkazi_f_20131001_867.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	43
Start Levee Mile	1.68
End Levee Mile	1.68
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside toe of the levee looking upstream.

pkazi\_f\_20131001\_909.jpg



Levee Mile Report Line	44
Start Levee Mile	1.69
End Levee Mile	1.69
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131001\_838.JPG



Levee Mile Report Line	45
Start Levee Mile	1.81
End Levee Mile	2.65
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation was found on the landside of the levee looking upstream.

pkazi\_f\_20131020\_972.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	48
Start Levee Mile	2.03
End Levee Mile	2.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A well is located at the landside toe of the levee. The picture was taken from the crown looking toward the landside of the levee.

pkazi\_f\_20131001\_869.jpg



Levee Mile Report Line	49
Start Levee Mile	2.06
End Levee Mile	2.06
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside toe of the levee looking upstream.

pkazi\_f\_20131001\_897.jpg



Levee Mile Report Line	51
Start Levee Mile	2.11
End Levee Mile	2.11
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside shoulder of the levee looking upstream.

pkazi\_f\_20131001\_900.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	51
Start Levee Mile	2.11
End Levee Mile	2.11
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of a rodent hole on the waterside shoulder of the levee looking upstream during fall 2013 inspection.

pkazi\_f\_20131020\_973.JPG



Levee Mile Report Line	53
Start Levee Mile	2.18
End Levee Mile	2.18
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside toe of the levee looking upstream.

pkazi\_f\_20131001\_901.jpg



Levee Mile Report Line	54
Start Levee Mile	2.20
End Levee Mile	2.20
Location	Crown
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the crown of the levee looking downstream.

pkazi\_f\_20131020\_974.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	55
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\_f\_20131001\_881.jpg



Levee Mile Report Line	56
Start Levee Mile	2.29
End Levee Mile	2.29
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal holes were found on the waterside shoulder of the levee looking upstream.

pkazi\_f\_20131020\_975.JPG



Levee Mile Report Line	58
Start Levee Mile	2.59
End Levee Mile	2.59
Location	Crown
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the crown of the levee looking downstream.

pkazi\_f\_20131001\_840.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	64
Start Levee Mile	2.99
End Levee Mile	3.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation was found on the landside of the levee looking upstream.

pkazi\_f\_20131020\_976.JPG



Levee Mile Report Line	65
Start Levee Mile	3.13
End Levee Mile	3.32
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Wild growth was found on the toe of the landside of the levee. The picture was taken from crown looking upstream.

pkazi\_f\_20131001\_872.jpg



Levee Mile Report Line	66
Start Levee Mile	3.32
End Levee Mile	3.49
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A concrete lined ditch was found on the landside toe of the levee looking upstream.

pkazi\_f\_20131020\_977.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	67
Start Levee Mile	3.39
End Levee Mile	3.56
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A ditch was located on the waterside toe of the levee. The picture was taken from the crown looking upstream.

pkazi\_f\_20131001\_873.jpg



Levee Mile Report Line	69
Start Levee Mile	3.47
End Levee Mile	3.47
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside slope of the levee looking upstream.

pkazi\_f\_20131001\_904.jpg



Levee Mile Report Line	69
Start Levee Mile	3.47
End Levee Mile	3.47
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of rodent hole on the waterside shoulder of the levee looking downstream.

pkazi\_f\_20131020\_978.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	70
Start Levee Mile	3.52
End Levee Mile	3.52
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside slope of the levee looking downstream.

pkazi\_f\_20131001\_911.jpg



Levee Mile Report Line	71
Start Levee Mile	3.53
End Levee Mile	3.53
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside shoulder of the levee looking upstream.

pkazi\_f\_20131001\_912.jpg



Levee Mile Report Line	71
Start Levee Mile	3.53
End Levee Mile	3.53
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated picture of rodent hole on the waterside shoulder of the levee looking upstream.

pkazi\_f\_20131020\_979.JPG



**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
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**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	72
Start Levee Mile	3.54
End Levee Mile	3.54
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking upstream.

pkazi\_f\_20131001\_853.JPG



Levee Mile Report Line	73
Start Levee Mile	3.67
End Levee Mile	3.67
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside slope of the levee looking upstream.

pkazi\_f\_20131020\_980.JPG



Levee Mile Report Line	74
Start Levee Mile	3.80
End Levee Mile	3.80
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside shoulder of the levee looking downstream.

pkazi\_f\_20131001\_898.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	75
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\_f\_20131001\_833.jpg



Levee Mile Report Line	75
Start Levee Mile	3.83
End Levee Mile	3.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Debris was located on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi\_f\_20131001\_834.jpg



Levee Mile Report Line	76
Start Levee Mile	3.85
End Levee Mile	3.85
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Remove landscaping from within 10' of landside toe.

pkazi\_f\_20131001\_866.JPG



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	77
Start Levee Mile	3.90
End Levee Mile	3.96
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fences were found on the landside toe of the levee looking upstream.	
pkazi_f_20131020_981.JPG	



Levee Mile Report Line	78
Start Levee Mile	3.91
End Levee Mile	3.91
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent holes were found on the waterside toe of the levee looking upstream.	
pkazi_f_20131001_905.jpg	



Levee Mile Report Line	79
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_f_20131001_883.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	80
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\_f\_20131001\_884.jpg



Levee Mile Report Line	81
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\_f\_20131001\_835.jpg



Levee Mile Report Line	81
Start Levee Mile	3.99
End Levee Mile	3.99
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrow was found on the waterside of the levee. The picture was taken from the toe of the levee looking upstream.

pkazi\_f\_20131001\_836.jpg



**\* Location**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	81
Start Levee Mile	3.99
End Levee Mile	3.99
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated view of the rodent holes on the waterside slope of the levee looking upstream during fall 2013 inspection.

pkazi\_f\_20131020\_982.JPG



Levee Mile Report Line	82
Start Levee Mile	4.00
End Levee Mile	4.00
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside of the levee looking upstream.

pkazi\_f\_20131001\_906.jpg



Levee Mile Report Line	83
Start Levee Mile	4.05
End Levee Mile	4.05
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131020\_983.JPG



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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	84
Start Levee Mile	4.11
End Levee Mile	4.11
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131001\_874.jpg



Levee Mile Report Line	85
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\_f\_20131001\_837.jpg



Levee Mile Report Line	86
Start Levee Mile	4.23
End Levee Mile	4.23
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the waterside slope of the levee looking upstream.

pkazi\_f\_20131020\_984.JPG



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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	87
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131001\_875.jpg



Levee Mile Report Line	88
Start Levee Mile	4.39
End Levee Mile	4.39
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside toe of the levee looking downstream.

pkazi\_f\_20131001\_914.jpg



Levee Mile Report Line	88
Start Levee Mile	4.39
End Levee Mile	4.39
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Updated pictures of rodent holes were found on the waterside toe of the levee looking upstream.

pkazi\_f\_20131020\_985.JPG



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	89
Start Levee Mile	4.45
End Levee Mile	4.92
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the fence on the landside toe of the levee. The picture was taken from the crown looking upstream.

pkazi\_f\_20131001\_886.jpg



Levee Mile Report Line	91
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\_f\_20131001\_832.jpg



Levee Mile Report Line	92
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

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

pkazi\_f\_20131001\_849.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	92
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes found possible were damaged further by dogs on the landside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi\_f\_20131001\_850.jpg



Levee Mile Report Line	92
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent hole damage possible due to other factor was found on the landside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi\_f\_20131001\_851.jpg



Levee Mile Report Line	92
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Updated picture of the holes primarily made by rodents and then possibly worsened by dogs on the landside slope of the levee looking upstream.

pkazi\_f\_20131001\_852.jpg



**\* Location**

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CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	92
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Holes primarily made by rodents and then possibly worsened by dogs on the landside slope of the levee looking upstream. This picture was taken during fall 2013 inspection.

pkazi\_f\_20131020\_986.JPG



Levee Mile Report Line	93
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\_f\_20131001\_908.jpg



Levee Mile Report Line	95
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\_f\_20131001\_882.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	95
Start Levee Mile	5.36
End Levee Mile	5.36
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Updated picture of vegetation on the landside of the levee. The picture was taken from the crown looking upstream during fall 2013 inspection.

pkazi\_f\_20131020\_987.JPG



Levee Mile Report Line	96
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\_f\_20131001\_910.jpg



Levee Mile Report Line	97
Start Levee Mile	5.40
End Levee Mile	5.54
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Overgrown vegetation was found on the waterside slope of the levee looking upstream.

pkazi\_f\_20131001\_891.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	10/03/2013 10/03/2013	Pavel Kazi

Levee Mile Report Line	97
Start Levee Mile	5.40
End Levee Mile	5.54
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Vegetation was found on the waterside slope of the levee looking upstream during fall 2013 inspection.

pkazi\_f\_20131020\_988.JPG



Levee Mile Report Line	98
Start Levee Mile	5.42
End Levee Mile	5.49
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A fence was found on the landside toe of the levee looking upstream.

pkazi\_f\_20131001\_845.jpg



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