

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD1602	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 1602 Del Puerto	U	6.29						
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	2.10		2.10	33.39%	0.01			
Encroachments	0.04		0.04	0.64%	2.99			
Animal Control	0.55		0.55	8.74%				
Slope Stability	0.04		0.04	0.64%				
<i>Interior Drainage & 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%				
LMA Totals:	2.76	0.00	2.76	43.88%	3.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 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.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 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	05/16/2012 - 05/16/2012		11/27/2012 - 11/27/2012	
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 2012

Reclamation District No. 1602 Del Puerto

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River							Left	6.29	11/27/2012 11/27/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma	Inspector Comments: The LMA has all the O&M manuals.	°	°	39
								DWR ID: DWR_RD1602_01_s_2012_39		
2			Earthen Levee	Emergency Supplies & Equipment	WS	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			Earthen Levee	Flood Preparedness & Training	WS	A Ma	Inspector Comments: The LMA has solid understanding and most of them have flood prepareness 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	0.15	0.27	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.477346 ° -121.081467 °	37.478221 ° -121.079559 °	2
								DWR ID: DWR_RD1602_01_s_2012_2		
6	0.23	0.23	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.477899 ° -121.080273 °	37.477899 ° -121.080273 °	11 Y
								DWR ID: DWR_RD1602_01_s_2012_11		
7	0.23	0.46	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.477907 ° -121.080255 °	37.479595 ° -121.076594 °	14 Y
								DWR ID: DWR_RD1602_01_f_2012_14		
8	0.29	0.29	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: LMA fixed the issue.	37.478376 ° -121.079243 °	37.478376 ° -121.079243 °	19 Y
								DWR ID: DWR_RD1602_01_f_2012_19		
9	0.29	0.29	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478382 ° -121.079225 °	37.478382 ° -121.079225 °	18
								DWR ID: DWR_RD1602_01_s_2012_18		
10	0.32	0.32	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478555 ° -121.078851 °	37.478555 ° -121.078851 °	21 Y
								DWR ID: DWR_RD1602_01_s_2012_21		
11	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		
12	0.45	0.45	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479507 ° -121.076767 °	37.479507 ° -121.076767 °	28
								DWR ID: DWR_RD1602_01_s_2012_28		
13	0.46	0.46	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: LMA has fixed the issue.	37.479595 ° -121.076594 °	37.479595 ° -121.076594 °	35 Y
								DWR ID: DWR_RD1602_01_f_2012_35		
14	0.47	0.47	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479663 ° -121.076437 °	37.479663 ° -121.076437 °	20
								DWR ID: DWR_RD1602_01_s_2012_20		

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
15	0.56	0.56	Earthen Levee	Animal Control	WS	M 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										
16	0.59	0.59	Earthen Levee	Animal Control	WS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.480117 ° -121.074687 °	37.480117 ° -121.074687 °	3 Y
DWR ID: DWR_RD1602_01_s_2012_3										
17	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										
18	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										
19	0.63	0.63	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479559 ° -121.074301 °	37.479559 ° -121.074301 °	33 Y
DWR ID: DWR_RD1602_01_s_2012_33										
20	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										
21	0.66	0.66	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479204 ° -121.074042 °	37.479204 ° -121.074042 °	34 Y
DWR ID: DWR_RD1602_01_s_2012_34										
22	0.66	0.66	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.479202 ° -121.074042 °	37.479202 ° -121.074042 °	41 Y
DWR ID: DWR_RD1602_01_s_2012_41										
23	0.67	0.67	Earthen Levee	Animal Control	WS	M Ma	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										
24	0.68	0.68	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.478919 ° -121.073833 °	37.478919 ° -121.073833 °	30 Y
DWR ID: DWR_RD1602_01_s_2012_30										
25	0.69	0.69	Earthen Levee	Animal Control	LS	M Ma	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										
26	0.71	0.71	Earthen Levee	Animal Control	WS	M Ma	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										
27	0.73	0.73	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.478447 ° -121.073319 °	37.478447 ° -121.073319 °	54 Y
DWR ID: DWR_RD1602_01_s_2012_54										
28	0.74	0.74	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: LMA fixed the issue.	37.478375 ° -121.073178 °	37.478375 ° -121.073178 °	40 Y
DWR ID: DWR_RD1602_01_f_2012_40										
29	0.78	0.78	Earthen Levee	Animal Control	WS	M Ma	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										

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
30	0.78	0.78	Interior Drainage & Piping Systems	Flap Gates	WS	M Ma	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										
31	0.81	0.81	Earthen Levee	Animal Control	WS	M Ma	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										
32	0.82	0.82	Earthen Levee	Encroachments	WS	C Ma	DE : Debris	37.477873 ° -121.071899 °	37.477873 ° -121.071899 °	66 Y
DWR ID: DWR_RD1602_01_s_2012_66										
33	0.83	0.83	Earthen Levee	Animal Control	WS	M Ma	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										
34	0.95	0.95	Earthen Levee	Animal Control	WS	M Ma	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										
35	0.99	0.99	Earthen Levee	Encroachments	WS	M En	RA : Ramp	37.478719 ° -121.069072 °	37.478719 ° -121.069072 °	36 Y
DWR ID: DWR_RD1602_01_s_2012_36										
36	1.02	1.02	Interior Drainage & Piping Systems	Encroachments	WS	M Ma	Inspector Comments: Installation is incorrect and type of pipe (PVC).	37.478838 ° -121.068707 °	37.478838 ° -121.068707 °	9 Y
DWR ID: DWR_RD1602_01_s_2012_9										
37	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										
38	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										
39	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										
40	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										
41	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										
42	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										

*** 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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
43	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										
44	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										
45	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										
46	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										
47	1.46	1.46	Earthen Levee	Animal Control	WS	C Ma	A3 : 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
DWR ID: DWR_RD1602_01_s_2012_10										
48	1.62	1.62	Earthen Levee	Encroachments	WS	M Ma	PR : Prunings	37.477665 ° -121.058721 °	37.477665 ° -121.058721 °	100 Y
DWR ID: DWR_RD1602_01_f_2012_100										
49	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										
50	1.62	1.62	Earthen Levee	Animal Control	LS	M 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										
51	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										
52	1.77	1.77	Earthen Levee	Encroachments	CR	C Ma	DE : Debris	37.475645 ° -121.057959 °	37.475645 ° -121.057959 °	81 Y
DWR ID: DWR_RD1602_01_s_2012_81										
53	1.82	1.82	Earthen Levee	Animal Control	LS	M 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										
54	1.94	1.94	Earthen Levee	Animal Control	WS	M 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										
55	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										
56	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										
57	2.09	2.09	Earthen Levee	Animal Control	WS	M 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										

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
58	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
DWR ID: DWR_RD1602_01_s_2012_85										
59	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										
60	2.24	3.45	Earthen Levee	Encroachments	LS	M En	DT : Ditch Inspector Comments: Concrete ditch before the levee was built.	37.470119 ° -121.055117 °	37.459606 ° -121.043240 °	59 Y
DWR ID: DWR_RD1602_01_s_2012_59										
61	2.49	2.49	Earthen Levee	Animal Control	WS	M Ma	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										
62	2.49	2.49	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.469899 ° -121.050797 °	37.469899 ° -121.050797 °	12
DWR ID: DWR_RD1602_01_s_2012_12										
63	2.60	2.60	Earthen Levee	Animal Control	WS	M Ma	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										
64	2.61	3.13	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.468955 ° -121.049018 °	37.463540 ° -121.042764 °	104 Y
DWR ID: DWR_RD1602_01_f_2012_104										
65	2.62	2.62	Earthen Levee	Animal Control	WS	M Ma	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
DWR ID: DWR_RD1602_01_s_2012_88										
66	2.65	2.65	Earthen Levee	Animal Control	LS	M Ma	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										
67	2.83	3.58	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.466745 ° -121.046257 °	37.458120 ° -121.044259 °	48
DWR ID: DWR_RD1602_01_s_2012_48										
68	2.85	2.85	Earthen Levee	Encroachments	WS	C Ma	DE : Debris	37.466570 ° -121.046044 °	37.466570 ° -121.046044 °	90
DWR ID: DWR_RD1602_01_s_2012_90										
69	2.93	2.93	Earthen Levee	Animal Control	WS	M Ma	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
DWR ID: DWR_RD1602_01_s_2012_91										
70	3.13	3.32	Earthen Levee	Vegetation	LS	M Ma	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										
71	3.42	3.42	Earthen Levee	Animal Control	WS	M Ma	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
DWR ID: DWR_RD1602_01_s_2012_92										
72	3.47	3.47	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.459511 ° -121.043350 °	37.459511 ° -121.043350 °	93 Y
DWR ID: DWR_RD1602_01_s_2012_93										

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River				Left	6.29	11/27/2012 11/27/2012	Pavel Kazi	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
73	3.49	3.56	Earthen Levee	Encroachments	WS	M En	DT : Ditch Inspector Comments: A ditch is located on waterside toe of the levee.	37.459220 ° -121.043611 °	37.458373 ° -121.044081 °	50 Y
DWR ID: DWR_RD1602_01_s_2012_50										
74	3.52	3.52	Earthen Levee	Animal Control	WS	M Ma	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										
75	3.53	3.53	Earthen Levee	Animal Control	WS	M Ma	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										
76	3.67	3.67	Earthen Levee	Animal Control	WS	M Ma	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										
77	3.80	3.80	Earthen Levee	Animal Control	WS	M Ma	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										
78	3.83	3.83	Earthen Levee	Encroachments	LS	M Ma	GA : Garbage	37.454872 ° -121.043370 °	37.454872 ° -121.043370 °	15 Y
DWR ID: DWR_RD1602_01_s_2012_15										
79	3.85	3.85	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	37.454574 ° -121.043142 °	37.454574 ° -121.043142 °	42 Y
DWR ID: DWR_RD1602_01_s_2012_42										
80	3.91	3.91	Earthen Levee	Animal Control	WS	M Ma	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										
81	3.96	3.96	Earthen Levee	Slope Stability	LS	M Ma	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										
82	3.97	4.07	Earthen Levee	Encroachments	LS	M En	FE : Fence	37.452983 ° -121.042301 °	37.451866 ° -121.041206 °	63 Y
DWR ID: DWR_RD1602_01_s_2012_63										
83	3.99	3.99	Earthen Levee	Animal Control	WS	M Ma	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										
84	4.00	4.00	Earthen Levee	Animal Control	WS	M Ma	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										
85	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										
86	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										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
87	4.23	4.23	Earthen Levee	Animal Control	LS	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
DWR ID: DWR_RD1602_01_s_2012_53										
88	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										
89	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										
90	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										
91	4.50	4.66	Earthen Levee	Encroachments	LS	M En	DT : Ditch	37.446485 ° -121.038037 °	37.444290 ° -121.037953 °	64
DWR ID: DWR_RD1602_01_s_2012_64										
92	4.70	4.92	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.443736 ° -121.037905 °	37.441033 ° -121.036932 °	68
DWR ID: DWR_RD1602_01_s_2012_68										
93	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										
94	4.81	4.81	Earthen Levee	Encroachments	LS	M Ma	DE : Debris Inspector Comments: A broken tree trunk is found on the landside of the levee.	37.442369 ° -121.036911 °	37.442369 ° -121.036911 °	69 Y
DWR ID: DWR_RD1602_01_s_2012_69										
95	4.83	4.83	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.441974 ° -121.036626 °	37.441974 ° -121.036626 °	96
DWR ID: DWR_RD1602_01_s_2012_96										
96	4.98	5.14	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.440250 ° -121.037404 °	37.438034 ° -121.037057 °	71 Y
DWR ID: DWR_RD1602_01_s_2012_71										
97	4.98	5.24	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.441273 ° -121.036768 °	37.436637 ° -121.036477 °	73 Y
DWR ID: DWR_RD1602_01_s_2012_73										
98	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										
99	5.30	5.89	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.435967 ° -121.035802 °	37.433134 ° -121.027017 °	26 Y
DWR ID: DWR_RD1602_01_s_2012_26										
100	5.31	5.31	Earthen Levee	Trim / Thin Trees	WS	C Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	37.435867 ° -121.035649 °	37.435867 ° -121.035649 °	101
DWR ID: DWR_RD1602_01_s_2012_101										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	6.29	11/27/2012 11/27/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
101	5.34	5.34	Earthen Levee	Slope Stability	LS Ma	S1 : Repair slope instability.	37.435533 ° -121.035371 °	37.435533 ° -121.035371 °	102 Y
DWR ID: DWR_RD1602_01_s_2012_102									
102	5.34	5.34	Earthen Levee	Animal Control	LS 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									
103	5.36	5.36	Earthen Levee	Vegetation	LS 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									
104	5.38	5.38	Earthen Levee	Trim / Thin Trees	LS Ma	T1 : Trim trees to at least five feet above ground level.	37.434953 ° -121.035183 °	37.434953 ° -121.035183 °	25 Y
DWR ID: DWR_RD1602_01_s_2012_25									
105	5.40	5.40	Earthen Levee	Slope Stability	LS Ma	S1 : Repair slope instability.	37.434699 ° -121.035063 °	37.434699 ° -121.035063 °	105 Y
DWR ID: DWR_RD1602_01_s_2012_105									
106	5.40	5.54	Earthen Levee	Vegetation	WS 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									
107	5.42	5.49	Earthen Levee	Encroachments	LS 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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	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_20120913_820.jpg



Levee Mile Report Line	7
Start Levee Mile	0.23
End Levee Mile	0.46
Location	Land Side
Category	Earthen Levee
Item	Vegetation

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

pkazi_f_20121128_160.jpg



Levee Mile Report Line	8
Start Levee Mile	0.29
End Levee Mile	0.29
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal hole was repaired by the LMA on the waterside slope of the levee looking upstream.

pkazi_f_20121128_161.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	10
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_20120913_842.jpg



Levee Mile Report Line	10
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_20120913_843.jpg



Levee Mile Report Line	10
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_20121128_162.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	11
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_20120913_844.jpg



Levee Mile Report Line	11
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_20121128_163.jpg



Levee Mile Report Line	13
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent hole was repaired by the LMA on the waterside slope of the levee looking upstream.

pkazi_f_20121128_164.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	15
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_f_20120913_825.jpg



Levee Mile Report Line	15
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal holes were found on the waterside of the levee looking upstream. This picture was taken during the spring 2012 inspection.

pkazi_f_20120913_826.jpg



Levee Mile Report Line	17
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_20120913_824.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	17
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_20121128_165.jpg



Levee Mile Report Line	18
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_20120913_883.jpg



Levee Mile Report Line	19
Start Levee Mile	0.63
End Levee Mile	0.63
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_20120913_855.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	20
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_20121128_166.jpg



Levee Mile Report Line	21
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Crown
Category	Earthen Levee
Item	Animal Control

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

pkazi_f_20120913_856.jpg



Levee Mile Report Line	22
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_20120913_861.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	23
Start Levee Mile	0.67
End Levee Mile	0.67
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_f_20120913_851.jpg



Levee Mile Report Line	24
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_f_20120913_852.jpg



Levee Mile Report Line	25
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_20120913_853.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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	25
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_20121128_167.jpg	



Levee Mile Report Line	26
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_20120913_854.jpg	



Levee Mile Report Line	28
Start Levee Mile	0.74
End Levee Mile	0.74
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent holes were repaired by the LMA on the waterside slope of the levee looking upstream.	
pkazi_f_20121129_168.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	29
Start Levee Mile	0.78
End Levee Mile	0.78
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 downstream.

pkazi_f_20120913_827.jpg



Levee Mile Report Line	30
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_20120913_885.jpg



Levee Mile Report Line	30
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_20120913_886.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	30
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_20121129_169.jpg



Levee Mile Report Line	31
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_20120913_875.jpg



Levee Mile Report Line	33
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_20120913_888.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	33
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_20121129_170.jpg



Levee Mile Report Line	34
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_20121129_171.jpg



Levee Mile Report Line	35
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_20120913_857.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	36
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_20120913_830.jpg



Levee Mile Report Line	36
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_20120913_831.jpg



Levee Mile Report Line	37
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_20120913_873.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	37
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_20120913_874.jpg



Levee Mile Report Line	38
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_20120913_858.JPG



Levee Mile Report Line	38
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_20120913_859.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	38
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_20120913_860.jpg



Levee Mile Report Line	39
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_20120913_829.jpg



Levee Mile Report Line	40
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_20121129_172.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	41
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_20120913_828.jpg



Levee Mile Report Line	42
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_20121129_173.jpg



Levee Mile Report Line	43
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_20121129_174.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
C : Corrected
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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	45
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_20120913_889.jpg



Levee Mile Report Line	46
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_20121129_175.jpg



Levee Mile Report Line	48
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Prunings were found on the waterside slope of the levee looking upstream.

pkazi_f_20121129_176.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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	49
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_20120913_863.jpg



Levee Mile Report Line	50
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Land Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_f_20120913_864.jpg



Levee Mile Report Line	51
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_20121129_177.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
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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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	54
Start Levee Mile	1.94
End Levee Mile	1.94
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_f_20120913_849.jpg



Levee Mile Report Line	55
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_20120913_865.jpg



Levee Mile Report Line	56
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_20121129_178.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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C : Corrected
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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	57
Start Levee Mile	2.09
End Levee Mile	2.09
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside of the levee looking upstream.	
pkazi_f_20120913_891.jpg	



Levee Mile Report Line	59
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_20121129_179.jpg	



Levee Mile Report Line	60
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_20120913_876.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	61
Start Levee Mile	2.49
End Levee Mile	2.49
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_20120913_866.jpg



Levee Mile Report Line	63
Start Levee Mile	2.60
End Levee Mile	2.60
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_20121129_180.jpg



Levee Mile Report Line	64
Start Levee Mile	2.61
End Levee Mile	3.13
Location	Land Side
Category	Earthen Levee
Item	Vegetation

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

pkazi_f_20121129_181.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	66
Start Levee Mile	2.65
End Levee Mile	2.65
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Animal holes were found on the landside of the levee looking upstream.	
pkazi_f_20120913_892.jpg	



Levee Mile Report Line	70
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_20120913_868.jpg	



Levee Mile Report Line	72
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_20121129_182.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	73
Start Levee Mile	3.49
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_20120913_869.jpg



Levee Mile Report Line	74
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_20121129_183.jpg



Levee Mile Report Line	75
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_20121129_184.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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

+ Issue Type

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

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	76
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 toe of the levee looking downstream.

pkazi_f_20121129_185.jpg



Levee Mile Report Line	77
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_20121129_186.jpg



Levee Mile Report Line	78
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_20120913_835.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	78
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_20120913_836.jpg



Levee Mile Report Line	79
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_20120913_862.JPG



Levee Mile Report Line	80
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_20121129_187.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	81
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_20120913_878.jpg



Levee Mile Report Line	82
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_20120913_879.jpg



Levee Mile Report Line	83
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_20120913_837.jpg



*** Location**

LS : Land Side
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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 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	83
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_20120913_838.jpg	



Levee Mile Report Line	84
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_20120913_894.jpg	



Levee Mile Report Line	85
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_20121129_188.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	86
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_20120913_839.jpg



Levee Mile Report Line	88
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_20121129_189.jpg



Levee Mile Report Line	89
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_20121129_190.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	90
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_20120913_880.jpg



Levee Mile Report Line	93
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_20120913_834.jpg



Levee Mile Report Line	94
Start Levee Mile	4.81
End Levee Mile	4.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A broken tree trunk was found on the toe of the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_f_20120913_882.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	96
Start Levee Mile	4.98
End Levee Mile	5.14
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Wild growth was found on the landside of the levee looking upstream.

pkazi_f_20120913_884.jpg



Levee Mile Report Line	97
Start Levee Mile	4.98
End Levee Mile	5.24
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Wild growth was found on the waterside of the levee looking upstream.

pkazi_f_20120913_887.jpg



Levee Mile Report Line	98
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_20120913_845.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	98
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_20120913_846.jpg



Levee Mile Report Line	98
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_20120913_847.jpg



Levee Mile Report Line	98
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_20121129_191.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	99
Start Levee Mile	5.30
End Levee Mile	5.89
Location	Land Side
Category	Earthen Levee
Item	Vegetation

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

pkazi_f_20121129_192.jpg



Levee Mile Report Line	101
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_20120913_896.jpg



Levee Mile Report Line	103
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_20120913_877.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	11/27/2012 11/27/2012	Pavel Kazi

Levee Mile Report Line	105
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_20120913_897.jpg



Levee Mile Report Line	106
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_20121129_193.jpg



Levee Mile Report Line	107
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_20121129_194.jpg



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