

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 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)				

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

*

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

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 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)				
Date of Inspection	5/16/2012 - 5/16/2012			
DWR Inspector	Pavel Kazi			
Accompanied By	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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River				Left	6.29	05/16/2012 05/16/2012	Pavel Kazi	

LMR No.	Levee Mile		Category	Item	Location *	Rating + Ma	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
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 the any incidents.	°	°	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 preparedness training.	°	°	97
DWR ID: DWR_RD1602_01_s_2012_97								°	°	
4	0.00	0.11	Earthen Levee	Encroachments	CR	M En	BU : Buildings 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	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.477346 ° -121.081467 °	37.478221 ° -121.079559 °	2 Y
DWR ID: DWR_RD1602_01_s_2012_2								°	°	
6	0.17	0.17	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.477477 ° -121.081179 °	37.477477 ° -121.081179 °	19 Y
DWR ID: DWR_RD1602_01_s_2012_19								°	°	
7	0.23	0.23	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.477899 ° -121.080273 °	37.477899 ° -121.080273 °	11 Y
DWR ID: DWR_RD1602_01_s_2012_11								°	°	
8	0.29	0.29	Earthen Levee	Animal Control	WS	M 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 Y
DWR ID: DWR_RD1602_01_s_2012_18								°	°	
9	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								°	°	
10	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								°	°	
11	0.45	0.45	Earthen Levee	Animal Control	WS	M 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 Y
DWR ID: DWR_RD1602_01_s_2012_28								°	°	
12	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.	37.479663 ° -121.076437 °	37.479663 ° -121.076437 °	20 Y
DWR ID: DWR_RD1602_01_s_2012_20								°	°	
13	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								°	°	
14	0.59	0.59	Earthen Levee	Animal Control	WS	M 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								°	°	

*** 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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
15	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										
16	0.60	0.72	Earthen Levee	Encroachments	WS	M En	FE : Fences 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										
17	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										
18	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										
19	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										
20	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										
21	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										
22	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										
23	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										
24	0.73	0.73	Earthen Levee	Animal Control	WS	M 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										
25	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										
26	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										
27	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										
28	0.82	0.82	Earthen Levee	Encroachments	WS	M Ma	DE : Debris	37.477873 ° -121.071899 °	37.477873 ° -121.071899 °	66 Y
DWR ID: DWR_RD1602_01_s_2012_66										

*** Location**

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+ Issue Type

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Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
29	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										
30	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										
31	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										
32	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										
33	1.07	1.34	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.478547 ° -121.067732 °	37.479324 ° -121.063338 °	35 Y
DWR ID: DWR_RD1602_01_s_2012_35										
34	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										
35	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										
36	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										
37	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										
38	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										
39	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										
40	1.36	1.36	Earthen Levee	Encroachments	WS	C Ma	DE : Debris Inspector Comments: It appears to be a refrigerator is located on waterside of the levee.	37.479272 ° -121.062992 °	37.479272 ° -121.062992 °	38 Y
DWR ID: DWR_RD1602_01_s_2012_38										
41	1.46	1.46	Earthen Levee	Animal Control	WS	M 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										
42	1.52	2.41	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.478554 ° -121.060139 °	37.470435 ° -121.052208 °	40 Y
DWR ID: DWR_RD1602_01_s_2012_40										

* Location		** Rating		+ Issue Type	
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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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
43	1.62	2.29	Earthen Levee	Encroachments	LS	M _{En}	FE : Fences 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										
44	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										
45	1.77	1.77	Earthen Levee	Encroachments	CR	M _{Ma}	DE : Debris	37.475645 ° -121.057959 °	37.475645 ° -121.057959 °	81 Y
DWR ID: DWR_RD1602_01_s_2012_81										
46	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										
47	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										
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	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										
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	2.18	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										
53	2.24	3.45	Earthen Levee	Encroachments	LS	M _{En}	AD : Agricultural 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										
54	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										
55	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.	37.469899 ° -121.050797 °	37.469899 ° -121.050797 °	12 Y
DWR ID: DWR_RD1602_01_s_2012_12										
56	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										

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
57	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										
58	2.62	2.78	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.468886 ° -121.048925 °	37.467268 ° -121.046934 °	47
DWR ID: DWR_RD1602_01_s_2012_47										
59	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										
60	2.83	3.58	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.466745 ° -121.046257 °	37.458120 ° -121.044259 °	48 Y
DWR ID: DWR_RD1602_01_s_2012_48										
61	2.85	2.85	Earthen Levee	Encroachments	WS	M Ma	DE : Debris	37.466570 ° -121.046044 °	37.466570 ° -121.046044 °	90 Y
DWR ID: DWR_RD1602_01_s_2012_90										
62	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										
63	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										
64	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										
65	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
DWR ID: DWR_RD1602_01_s_2012_93										
66	3.49	3.56	Earthen Levee	Encroachments	WS	M En	AD : Agricultural 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										
67	3.78	3.78	Earthen Levee	Encroachments	WS	M Ma	FW : Firewood	37.455338 ° -121.043734 °	37.455338 ° -121.043734 °	52 Y
DWR ID: DWR_RD1602_01_s_2012_52										
68	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
DWR ID: DWR_RD1602_01_s_2012_83										
69	3.82	4.25	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.454925 ° -121.043406 °	37.449804 ° -121.039091 °	56
DWR ID: DWR_RD1602_01_s_2012_56										
70	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										
71	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										

* Location		** Rating		+ Issue Type	
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CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Left	6.29	05/16/2012 05/16/2012	Pavel Kazi	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
72	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
								DWR ID: DWR_RD1602_01_s_2012_94		
73	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		
74	3.97	4.07	Earthen Levee	Encroachments	LS	M En	FE : Fences	37.452983 ° -121.042301 °	37.451866 ° -121.041206 °	63 Y
								DWR ID: DWR_RD1602_01_s_2012_63		
75	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		
76	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		
77	4.04	4.04	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.452248 ° -121.041483 °	37.452248 ° -121.041483 °	51 Y
								DWR ID: DWR_RD1602_01_s_2012_51		
78	4.13	4.25	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.451286 ° -121.040333 °	37.449803 ° -121.039093 °	65
								DWR ID: DWR_RD1602_01_s_2012_65		
79	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		
80	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		
81	4.45	4.92	Earthen Levee	Encroachments	LS	M En	FE : Fences	37.447213 ° -121.037665 °	37.441014 ° -121.036932 °	67 Y
								DWR ID: DWR_RD1602_01_s_2012_67		
82	4.50	4.66	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	37.446485 ° -121.038037 °	37.444290 ° -121.037953 °	64
								DWR ID: DWR_RD1602_01_s_2012_64		
83	4.70	4.92	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.443736 ° -121.037905 °	37.441033 ° -121.036932 °	68 Y
								DWR ID: DWR_RD1602_01_s_2012_68		
84	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		
85	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		

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
86	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										
87	4.92	4.92	Earthen Levee	Trim / Thin Trees	LS	C Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	37.440953 ° -121.036977 °	37.440953 ° -121.036977 °	14
DWR ID: DWR_RD1602_01_s_2012_14										
88	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
DWR ID: DWR_RD1602_01_s_2012_71										
89	4.98	5.24	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.439787 ° -121.037561 °	37.436637 ° -121.036477 °	73
DWR ID: DWR_RD1602_01_s_2012_73										
90	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
DWR ID: DWR_RD1602_01_s_2012_24										
91	5.28	5.51	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.436193 ° -121.036114 °	37.433558 ° -121.033717 °	74
DWR ID: DWR_RD1602_01_s_2012_74										
92	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
DWR ID: DWR_RD1602_01_s_2012_26										
93	5.31	5.31	Earthen Levee	Trim / Thin Trees	WS	M 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										
94	5.34	5.34	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	37.435533 ° -121.035371 °	37.435533 ° -121.035371 °	102
DWR ID: DWR_RD1602_01_s_2012_102										
95	5.34	5.34	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.435529 ° -121.035314 °	37.435529 ° -121.035314 °	60
DWR ID: DWR_RD1602_01_s_2012_60										
96	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
DWR ID: DWR_RD1602_01_s_2012_61										
97	5.38	5.38	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.434953 ° -121.035183 °	37.434953 ° -121.035183 °	25
DWR ID: DWR_RD1602_01_s_2012_25										
98	5.40	5.40	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	37.434699 ° -121.035063 °	37.434699 ° -121.035063 °	105
DWR ID: DWR_RD1602_01_s_2012_105										
99	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
DWR ID: DWR_RD1602_01_s_2012_75										
100	5.51	5.54	Earthen Levee	Encroachments	LS	M En	FE : Fences	37.433482 ° -121.033616 °	37.433299 ° -121.033338 °	22
DWR ID: DWR_RD1602_01_s_2012_22										

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	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_s_20120305_669.jpg



Levee Mile Report Line	5
Start Levee Mile	0.15
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of the vegetation on the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20120305_670.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

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

pkazi_s_20120518_041.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	9
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_s_20120305_690.jpg



Levee Mile Report Line	9
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 spring 2012 inspection.

pkazi_s_20120518_042.jpg



Levee Mile Report Line	10
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_s_20120305_691.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	11
Start Levee Mile	0.45
End Levee Mile	0.45
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 of the levee looking towards the crown.

pkazi_s_20120305_695.jpg



Levee Mile Report Line	12
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120518_043.jpg



Levee Mile Report Line	13
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of rodent holes on the waterward slope looking waterward.

pkazi_s_20120305_674.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	13
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 spring 2012 inspection.

pkazi_s_20120518_044.jpg



Levee Mile Report Line	14
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_671.jpg



Levee Mile Report Line	14
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Pictures of the rodent holes on the waterside of the slope looking towards the crown. The picture was taken during Fall 2011 inspection.

pkazi_s_20120305_672.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	15
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_673.jpg



Levee Mile Report Line	16
Start Levee Mile	0.60
End Levee Mile	0.72
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of barbed wire fence at landward toe looking upstream.

pkazi_s_20120305_729.jpg



Levee Mile Report Line	17
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_s_20120518_045.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	18
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_s_20120518_046.jpg



Levee Mile Report Line	19
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_s_20120518_047.jpg



Levee Mile Report Line	20
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_s_20120305_696.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	21
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_s_20120305_697.jpg



Levee Mile Report Line	22
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_s_20120305_698.jpg



Levee Mile Report Line	23
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_s_20120305_699.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	24
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120518_048.jpg



Levee Mile Report Line	25
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_s_20120305_675.jpg



Levee Mile Report Line	26
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates

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

pkazi_s_20120305_731.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	26
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 Fall 2011 inspection.

pkazi_s_20120305_732.jpg



Levee Mile Report Line	27
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_s_20120518_049.jpg



Levee Mile Report Line	29
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_s_20120518_050.jpg



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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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	30
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_s_20120305_701.jpg



Levee Mile Report Line	31
Start Levee Mile	1.02
End Levee Mile	1.02
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Encroachments

PVC sleeve through steel pipe on waterward slope at LM 1.02

pkazi_s_20120305_678.jpg



Levee Mile Report Line	31
Start Levee Mile	1.02
End Levee Mile	1.02
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Encroachments

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

pkazi_s_20120305_679.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	32
Start Levee Mile	1.04
End Levee Mile	1.04
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Concrete Tilting / Settlement

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

pkazi_s_20120305_719.jpg



Levee Mile Report Line	32
Start Levee Mile	1.04
End Levee Mile	1.04
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Concrete Tilting / Settlement

Additional view of outfall structure at LM 1.04.

pkazi_s_20120305_720.jpg



Levee Mile Report Line	34
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Small amount of slumping at water toe.

pkazi_s_20120305_702.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	34
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

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

pkazi_s_20120305_703.jpg



Levee Mile Report Line	34
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_s_20120305_704.jpg



Levee Mile Report Line	35
Start Levee Mile	1.10
End Levee Mile	1.10
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_677.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	36
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_s_20120305_676.jpg	



Levee Mile Report Line	39
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_s_20120518_051.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.46
End Levee Mile	1.46
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent hole on the waterside of the levee. The picture was taken from the crown looking upstream.	
pkazi_s_20120305_680.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	43
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_s_20120305_709.jpg



Levee Mile Report Line	44
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_s_20120305_710.jpg



Levee Mile Report Line	45
Start Levee Mile	1.77
End Levee Mile	1.77
Location	Crown
Category	Earthen Levee
Item	Encroachments

A branch was found on the crown of the levee looking upstream.

pkazi_s_20120518_052.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	47
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_s_20120305_694.jpg



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_s_20120305_711.jpg



Levee Mile Report Line	50
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_s_20120518_053.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	53
Start Levee Mile	2.24
End Levee Mile	3.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments

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

pkazi_s_20120305_721.jpg



Levee Mile Report Line	54
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_s_20120305_712.jpg



Levee Mile Report Line	55
Start Levee Mile	2.49
End Levee Mile	2.49
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_681.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	59
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_s_20120518_054.jpg



Levee Mile Report Line	60
Start Levee Mile	2.83
End Levee Mile	3.58
Location	Water Side
Category	Earthen Levee
Item	Vegetation

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

pkazi_s_20120305_714.jpg



Levee Mile Report Line	61
Start Levee Mile	2.85
End Levee Mile	2.85
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Debris were found on the waterside of the levee looking upstream.

pkazi_s_20120518_055.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	63
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_s_20120305_715.jpg



Levee Mile Report Line	66
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_s_20120305_716.jpg



Levee Mile Report Line	67
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Water Side
Category	Earthen Levee
Item	Encroachments

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

pkazi_s_20120305_718.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	70
Start Levee Mile	3.83
End Levee Mile	3.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

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

pkazi_s_20120305_684.jpg



Levee Mile Report Line	70
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_s_20120305_685.jpg



Levee Mile Report Line	71
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_s_20120305_708.JPG



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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+ Issue Type

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

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	73
Start Levee Mile	3.96
End Levee Mile	3.96
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Repair damage to USACE constructed seepage berm by pedestrian and cycle traffic at LM 3.96.

pkazi_s_20120305_723.jpg



Levee Mile Report Line	74
Start Levee Mile	3.97
End Levee Mile	4.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of a barbed wire fence on the landward slope looking upstream.

pkazi_s_20120305_724.jpg



Levee Mile Report Line	75
Start Levee Mile	3.99
End Levee Mile	3.99
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_686.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	75
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_s_20120305_687.jpg



Levee Mile Report Line	76
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_s_20120518_056.jpg



Levee Mile Report Line	77
Start Levee Mile	4.04
End Levee Mile	4.04
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_717.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	79
Start Levee Mile	4.15
End Levee Mile	4.15
Location	Water Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_688.jpg



Levee Mile Report Line	81
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_s_20120305_726.jpg



Levee Mile Report Line	83
Start Levee Mile	4.70
End Levee Mile	4.92
Location	Land Side
Category	Earthen Levee
Item	Vegetation

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

pkazi_s_20120305_727.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	84
Start Levee Mile	4.72
End Levee Mile	4.72
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of rodent holes on the landward slope looking upstream.

pkazi_s_20120305_682.jpg



Levee Mile Report Line	85
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_s_20120305_728.jpg



Levee Mile Report Line	88
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_s_20120305_730.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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	89
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_s_20120305_733.jpg



Levee Mile Report Line	90
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120305_692.jpg



Levee Mile Report Line	90
Start Levee Mile	5.25
End Levee Mile	5.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

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

pkazi_s_20120518_057.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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	90
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_s_20120518_058.jpg



Levee Mile Report Line	93
Start Levee Mile	5.31
End Levee Mile	5.31
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Trees are need to be trimmed for flood fighting access on the landside of the levee. The picture was taken from the crown of the levee looking upstream.

pkazi_s_20120518_059.jpg



Levee Mile Report Line	94
Start Levee Mile	5.34
End Levee Mile	5.34
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

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

pkazi_s_20120305_734.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 - Spring 2012

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.29	05/16/2012 05/16/2012	Pavel Kazi

Levee Mile Report Line	96
Start Levee Mile	5.36
End Levee Mile	5.36
Location	Land Side
Category	Earthen Levee
Item	Vegetation

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

pkazi_s_20120305_722.jpg



Levee Mile Report Line	97
Start Levee Mile	5.38
End Levee Mile	5.38
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of the trees which block the access and visibility on the landside slope of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20120305_693.jpg



Levee Mile Report Line	98
Start Levee Mile	5.40
End Levee Mile	5.40
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

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

pkazi_s_20120305_735.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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