

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

	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 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 01 San Joaquin River				Right	22.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/4/2009 - 5/7/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	05/04/2009 05/07/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	22.51	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.348669 ° -120.958526 °	37.166987 ° -120.750133 °		19
2	0.00	22.52	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.348669 ° -120.958526 °	37.166985 ° -120.750130 °		20
3	0.11	0.11	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.347688 ° -120.960067 °	37.347688 ° -120.960067 °		3
4	9.05	9.81	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	37.297473 ° -120.850480 °	37.293097 ° -120.839187 °		21
5	9.66	9.66	Interior Drainage & Piping Systems	Vegetation & Obstructions	LS	C	Inspector Comments: Inlet of pipe is over 50% blockage.	37.294888 ° -120.840585 °	37.294888 ° -120.840585 °		10
6	22.21	22.52	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.169962 ° -120.754240 °	37.166983 ° -120.750127 °		22

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 02A San Joaquin River				Left	7.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/8/2009 - 5/8/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/08/2009 05/08/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.02	7.87	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.296300 ° -120.880618 °	37.231625 ° -120.812158 °		944
2	0.02	7.87	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.296300 ° -120.880618 °	37.231623 ° -120.812153 °		945
3	0.73	0.79	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Scarp into levee crown; 7' remaining crown width; slight vegetation 2' tall	37.287104 ° -120.874314 °	° °		943

*** Location**

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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 02B San Joaquin River				Left	5.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/8/2009 - 5/8/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/08/2009 05/08/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	7.87	13.21	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.231638 ° -120.812170 °	37.179420 ° -120.764933 °		8
2	7.87	13.79	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.231645 ° -120.812172 °	37.172168 ° -120.761195 °		6
3	7.87	13.79	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.231638 ° -120.812168 °	37.172168 ° -120.761197 °		5
4	12.72	12.72	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	37.185707 ° -120.768147 °	37.185707 ° -120.768147 °		10
5	12.75	12.75	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.185448 ° -120.768487 °	37.185448 ° -120.768487 °		9
6	13.05	13.05	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.181397 ° -120.766287 °	37.181397 ° -120.766287 °		4
7	13.10	13.10	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.180785 ° -120.765865 °	37.180785 ° -120.765865 °		3
8	13.46	13.50	Earthen Levee	Trim / Thin Trees	WS	U	Trim trees to at least five feet above ground level.	37.176420 ° -120.762212 °	37.176143 ° -120.761785 °		7

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River			Right	2.16

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/7/2009 - 5/7/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.16	05/07/2009 05/07/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.01	2.16	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.111848 ° -120.587413 °	37.088335 ° -120.566905 °		2
2	0.01	2.16	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.111848 ° -120.587413 °	37.088332 ° -120.566907 °		1

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 04 San Joaquin River				Left	1.58
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/7/2009 - 5/7/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.58	05/07/2009 05/07/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.01	1.58	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.112535 ° -120.589098 °	37.094998 ° -120.577760 °		2
2	0.01	1.58	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.112535 ° -120.589098 °	37.095002 ° -120.577760 °		1

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 05 East Side Bypass				Right	34.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/5/2009 - 5/6/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.75	05/05/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	34.50	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.278978 ° -120.824077 °	36.978447 ° -120.368433 °		14
2	0.00	34.50	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.278978 ° -120.824077 °	36.978453 ° -120.368442 °		13
3	6.50	6.50	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.230497 ° -120.727263 °	37.230497 ° -120.727263 °		15
4	8.06	8.06	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.213600 ° -120.706630 °	37.213600 ° -120.706630 °		4
5	8.83	8.83	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.205778 ° -120.696843 °	37.205778 ° -120.696843 °		5
6	25.49	25.54	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.047630 ° -120.488530 °	37.047042 ° -120.488092 °		9
7	29.80	29.80	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.017540 ° -120.431955 °	37.017540 ° -120.431955 °		16

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 06 East Side Bypass				Left	36.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/7/2009 - 5/7/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	05/07/2009 05/07/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.09	36.38	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.275925 ° -120.825032 °	36.974142 ° -120.363277 °		18
2	0.09	36.38	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.275922 ° -120.825030 °	36.974142 ° -120.363277 °		17
3	4.67	4.67	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.244012 ° -120.761372 °	37.244012 ° -120.761372 °	Y	16
4	4.67	4.67	Interior Drainage & Piping Systems	Vegetation & Obstructions	LS	C		37.243985 ° -120.761317 °	37.243985 ° -120.761317 °		13
5	5.32	5.32	Interior Drainage & Piping Systems	Vegetation & Obstructions	LS	C		37.239065 ° -120.751792 °	37.239065 ° -120.751792 °		12
6	6.12	6.12	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.235777 ° -120.738598 °	37.235777 ° -120.738598 °		22
7	6.15	6.15	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.235623 ° -120.738017 °	37.235623 ° -120.738017 °		21
8	20.38	20.67	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Sand pile in channel over three feet high.	37.113240 ° -120.569413 °	37.113320 ° -120.564087 °	Y	15
9	22.90	22.96	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.088663 ° -120.538193 °	37.087968 ° -120.537485 °		8
10	23.93	23.93	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.077337 ° -120.526045 °	37.077337 ° -120.526045 °		20
11	28.62	28.62	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.030102 ° -120.469122 °	37.030102 ° -120.469122 °		19

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	05/07/2009 05/07/2009	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	4.67
End Levee Mile	4.67
Location	Crown
Category	Earthen Levee
Item	Animal Control

Looking at squirrel hole at crown of levee.



Levee Mile Report Line	8
Start Levee Mile	20.38
End Levee Mile	20.67
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking north at sand pipe over three feet high in channel.



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 07 Bear Creek Bypass				Right	3.62
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/5/2009 - 5/5/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

Check one:

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Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2009 05/05/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	3.62	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.255562 ° -120.772226 °	37.254810 ° -120.719528 °		2
2	0.00	3.62	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.255562 ° -120.772230 °	37.254810 ° -120.719530 °		1

*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 08 Bear Creek Bypass				Left	3.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/5/2009 - 5/5/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2009 05/05/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	3.62	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.253443 ° -120.768730 °	37.253990 ° -121.718740 °		6
2	0.00	3.62	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.253443 ° -120.768730 °	37.253992 ° -120.718737 °		5
3	0.88	0.88	Earthen Levee	Repair Gates	CR	M	Inspector Comments: Bottom hinge broken.	37.262158 ° -120.760657 °	37.262158 ° -120.760660 °		8
4	2.12	2.12	Interior Drainage & Piping Systems	Vegetation & Obstructions	LS	C	Inspector Comments: District has removed some of the material from the inlet of the pipe, but 25% is blocked.	37.257818 ° -120.741570 °	37.257818 ° -120.741570 °		4
5	2.12	2.12	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.257688 ° -120.741573 °	37.257688 ° -120.741573 °		7
6	3.40	3.54	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.253052 ° -120.722647 °	37.253600 ° -120.720198 °		3

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 09 Owens Creek Bypass				Right	0.88
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/5/2009 - 5/5/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.88	05/05/2009 05/05/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	0.87	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.220139 ° -120.712893 °	37.220072 ° -120.698287 °		5
2	0.00	0.87	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.220139 ° -120.712893 °	37.220067 ° -120.698278 °		4
3	0.87	0.87	Interior Drainage & Piping Systems	Vegetation & Obstructions	LS	C	Inspector Comments: Inlet of pipe is at minimally acceptable condition.	37.220070 ° -120.698355 °	37.220070 ° -120.698355 °		3

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 10 Owens Creek Bypass				Left	0.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/5/2009 - 5/5/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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Signature of LMA Representative

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.82	05/05/2009 05/05/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	0.80	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.217660 ° -120.711468 °	37.219280 ° -120.698130 °		1
2	0.00	0.80	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.217663 ° -120.711337 °	37.219273 ° -120.698110 °		2

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 11 Mariposa Bypass				Right	3.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/7/2009 - 5/7/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.33	05/07/2009 05/07/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.01	3.31	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.202762 ° -120.754817 °	37.202328 ° -120.695455 °		4
2	0.01	3.31	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.202762 ° -120.754817 °	37.202328 ° -120.695453 °		5
3	0.41	0.41	Interior Drainage & Piping Systems	Vegetation & Obstructions	LS	C	Inspector Comments: Inlet of pipe is at minimally acceptable condition 25% blockage.	37.202785 ° -120.747603 °	37.202785 ° -120.747603 °		3

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 12 Mariposa Bypass				Left	3.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/7/2009 - 5/7/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.36	05/07/2009 05/07/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.01	3.34	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.200962 ° -120.754833 °	37.201025 ° -120.694952 °		7
2	0.01	3.34	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.200962 ° -120.754833 °	37.201025 ° -120.694952 °		6

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 13 Ash Slough				Right	1.27

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/6/2009 - 5/6/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/06/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	1.26	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	4.200798 ° -120.441830 °	37.046272 ° -120.428012 °		2
2	0.03	1.26	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.034132 ° -120.441828 °	37.046272 ° -120.428012 °		1
3	0.14	0.14	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.035697 ° -120.441197 °	37.035697 ° -120.441197 °		3

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway		Bank	Unit Miles
Unit No. 14 Ash Slough		Left	1.28

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/6/2009 - 5/6/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	05/06/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.03	1.27	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.032765 ° -120.441213 °	37.045468 ° -120.427638 °		2
2	0.03	1.27	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.032767 ° -120.441210 °	37.045468 ° -120.427637 °		1

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 15 Berenda Slough				Right	2.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/6/2009 - 5/6/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/06/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.03	2.01	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	36.996570 ° -120.410003 °	36.996417 ° -120.374082 °		7
2	0.03	2.01	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	36.996568 ° -120.409993 °	36.996417 ° -120.374083 °		8
3	1.51	2.01	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	36.996470 ° -120.383188 °	36.996417 ° -120.374085 °		9

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 16 Berenda Slough			Left	1.98

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/6/2009 - 5/6/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

Check one:

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Comments

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Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.98	05/06/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.02	1.42	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	36.995428 ° -120.408610 °	36.995440 ° -120.383387 °		4
2	0.02	1.98	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	36.995430 ° -120.408610 °	36.995577 ° -120.373487 °		2
3	0.02	1.98	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	36.995430 ° -120.408610 °	36.995577 ° -120.373485 °		1
4	1.67	1.98	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	36.995488 ° -120.378788 °	36.995577 ° -120.373488 °		3

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 17 Chowchilla Canal Bypass				Right	16.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/6/2009 - 5/6/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

Check one:

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Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/06/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	16.08	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	36.976430 ° -120.374752 °	36.774467 ° -120.283925 °		8
2	0.01	16.08	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	36.976392 ° -120.374687 °	36.774470 ° -120.283927 °		7
3	6.51	6.60	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.898124 ° -120.326714 °	36.896943 ° -120.326133 °		4
4	7.27	7.39	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	36.887869 ° -120.321697 °	36.886341 ° -120.320940 °		5
5	8.11	8.28	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.876132 ° -120.317926 °	36.873749 ° -120.317465 °		6

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 18 Chowchilla Canal Bypass				Left	15.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/6/2009 - 5/7/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.33	05/06/2009 05/07/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.02	15.29	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	36.973993 ° -120.363048 °	36.774015 ° -120.285423 °		1
2	0.02	15.29	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	36.973995 ° -120.363050 °	36.774010 ° -120.285422 °		2

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 22A East Side Canal				Left	5.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/5/2009 - 5/5/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	05/05/2009 05/05/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	5.50	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.206032 ° -120.696968 °	37.272395 ° -120.741938 °		2
2	0.00	5.50	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.206032 ° -120.696968 °	37.272400 ° -120.741930 °		1
3	4.70	4.70	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection.	37.264283 ° -120.731378 °	37.264283 ° -120.731378 °		3

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 23 San Joaquin River				Right	10.25
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	5/6/2009 - 5/6/2009				
DWR Inspector	Richard Willoughby				
Accompanied By					

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	05/06/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.01	10.25	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	36.774185 ° -120.283548 °	36.814740 ° -120.168877 °		10
2	0.01	10.25	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	36.774185 ° -120.283548 °	36.814742 ° -120.168875 °		11
3	3.30	3.30	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	36.774403 ° -120.234705 °	36.774403 ° -120.234705 °		3
4	5.68	5.72	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.792012 ° -120.206270 °	36.791857 ° -120.205685 °		5

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 24 San Joaquin River				Left	8.34

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/6/2009 - 5/6/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.34	05/06/2009 05/06/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	7.33	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	36.773003 ° -120.285282 °	36.779367 ° -120.198957 °		5
2	0.00	7.33	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	36.773003 ° -120.285292 °	36.779365 ° -120.198957 °		4
3	3.46	3.46	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.769345 ° -120.238370 °	36.769345 ° -120.238370 °		7
4	6.33	6.33	Earthen Levee	Encroachments	WS	M	Prunings	36.788235 ° -120.209622 °	36.788235 ° -120.209622 °		6
5	7.98	8.32	Earthen Levee	Encroachments	WS PO		Fences	36.775580 ° -120.189783 °	36.778099 ° -120.184436 °		1

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles
Unit No. 25 Salt Slough				Right	2.47

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/8/2009 - 5/8/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.47	05/08/2009 05/08/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.01	2.47	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.296215 ° -120.880697 °	37.270980 ° -120.866690 °		2
2	0.01	2.47	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.296215 ° -120.880698 °	37.270978 ° -120.866688 °		1

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