

Flood Control Project Maintenance**2011 Structure Summary Report****Overall Unit and Item Ratings****Lower San Joaquin Levee District****Ash Slough Drop Structure No. 1**

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	M
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Ash Slough Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	M
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance

2011 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Ash Slough Drop Structure No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	M
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Bear Creek Diversion Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	M
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Eastside Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A

Eastside Bypass Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Fresno River Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A

Mariposa Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Drop Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Owens Creek Control Structure

Overall Unit Rating	Rated Item	Item Rating
M	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	M
	Concrete Tilting / Settlement	M
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	M
	Safety	A

Flood Control Project Maintenance

2011 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Owens Creek Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	N
	Safety	A

San Joaquin River And Chowchilla Canal Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	A
	Flap Gates	N
	Sluice/Slide Gates	M
	Electric Gate Operators	A
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	A
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

San Joaquin River Structure And Sand Slough Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	M
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	M
	Safety	A

Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 1

Structure Rating	A
Date of Inspection	8/9/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/09/2011 08/09/2011	Richard Willoughby

LNI# No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions that would impeded flow.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling visible that would cause any undercutting.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	4
5	0.00	0.00	Structures	Revetments		M	Inspector Comments: A minimal amount of riprap displacement on the downstream and upstream side should be maintained.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	5 Y
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No visible encroachment.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	15

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/09/2011 08/09/2011	Richard Willoughby

LNI# No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement or settlement present.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible erosion or undermining present.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not exist at this structure.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: All joint appears to be in good condition.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible safety hazards.	37.033952 ° -120.441733 °	37.033952 ° -120.441733 °	23

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking southwest at drop structure.	
richard_t_20110831_080.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Revetments
Looking southwest a riprap displacement on downstream and upstream side of structure.	
richard_t_20110831_081.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****Lower San Joaquin Levee District**

Structure
Ash Slough Drop Structure No. 2

Structure Rating	A
Date of Inspection	8/9/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure		Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2			08/09/2011 08/09/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction to impeded flow.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount of sediment that should not cause erosion around the structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	4
5	0.00	0.00	Structures	Revetments		M	Inspector Comments: Riprap should be properly maintained.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	5 Y
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No visible encroachments.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: These items does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: These items does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	15

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2							08/09/2011 08/09/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement or settlement	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible erosion or undermining.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not exist at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: All joints appear to be in good condition.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible safety hazards at this structure.	37.037853 ° -120.440067 °	37.037853 ° -120.440067 °	23

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking southwest at overview of structure.	
richard_t_20110830_075.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at upstream and downstream side of structure.	
richard_t_20110830_076.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at close-up view of structure.	
richard_t_20110830_077.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Revetments
Looking southwest at upstream side of structure.	
richard_t_20110830_078.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Revetments
Looking west at revetment on downstream side of structure.	
richard_t_20110830_079.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 3

Structure Rating	A
Date of Inspection	8/9/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/09/2011 08/09/2011	Richard Willoughby

LNI# No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction that would impeded the flow.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount a sediment on the upstream side of structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or caving near the structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing revetment is cover by the sand, but is properly maintained.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No visible encroachments near the structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: These items does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	14

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3							08/09/2011 08/09/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement or settlement.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible undermining or erosion.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not exist at this structure.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: All joints appears to be in good condition.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible safety hazards.	37.042767 ° -120.436323 °	37.042767 ° -120.436323 °	23

*** 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, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking north at overview of structure.	
richard_t_20110830_072.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at close-up view of structure.	
richard_t_20110830_073.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking southeast at upstream side of structure.	
richard_t_20110830_074.jpg	



* 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, see Inspector Comment	C : Corrected
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 4

Structure Rating	A
Date of Inspection	8/9/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/09/2011 08/09/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Structures	Photo Documentation				37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	1
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Trees should be removed from around structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing revetment appears to be properly maintained.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	5
6	0.00	0.00	Structures	Encroachments		M	Inspector Comments: Landowner blocking structure with sand dam.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	6 Y
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not exist on this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not exist.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This structure was not design for culverts, but landowner installed unauthorized culverts through the unauthorized sand dam. See encroachment item for pictures of pipes.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not exist on this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not exist on this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not exist on this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not exist on this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not exist on this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	14

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4							08/09/2011 08/09/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement or settlement.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible undermining at the structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not exist at this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not exist at this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not exist at this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: No metal items at this structure.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: All joints appear to be in good condition.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No safety hazards visible.	37.045045 ° -120.429855 °	37.045045 ° -120.429855 °	23

*** 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, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions
Looking north at overgrown tree on downstream side of structure.	
richard_t_20110830_071.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments
Looking south at sand dam across drop structure.	
richard_t_20110830_068.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments
Looking north at sand dam and pipe through sand dam.	
richard_t_20110830_069.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments
Looking west a pipe through sand dam.	
richard_t_20110830_070.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Bear Creek Diversion Structure

Structure Rating	A
Date of Inspection	7/12/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/12/2011 07/12/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation			Inspector Comments: Item appears to be acceptably maintained	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions visible that would impeding the flow.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling visible.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion near the structure.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing revetment is properly maintained.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: Steveson Irrigation replaced pvc electrical conduit with half inch steel pipe.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	6 Y
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: There are no debris blocking the culverts.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: No visible damage to culverts.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A		37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	14
15	0.00	0.00	Structures	Concrete Surfaces		M	Inspector Comments: Small cracking on downstream left wing wall.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	15 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	16

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/12/2011 07/12/2011	Richard Willoughby

LNI/R No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	0.00	0.00	Structures	Concrete Foundations		A		37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: Item does not exist on this structure	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	21
22	0.00	0.00	Structures	Monolith Joints		A		37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible hazards near the structure.	37.254970 ° -120.718450 °	37.254970 ° -120.718450 °	23

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/12/2011 07/12/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at upstream side of structure	
richard_t_20110725_005.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at overview of structure with a new electrical conduit on downstream side of structure.	
richard_t_20110725_006.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking north at overview of structure.	
richard_t_20110725_007.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/12/2011 07/12/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking east at overview of structure.	
richard_t_20110726_030.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments
Looking at new electrical conduit on downstream side of structure.	
richard_t_20110725_003.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments
Looking northwest at remote control gate on upstream side of structure.	
richard_t_20110725_004.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/12/2011 07/12/2011	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
Looking at cracking on left wing wall.	
richard_t_20110725_001.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
Looking northwest at cracking on left wing wall	
richard_t_20110725_002.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance
Unit Cover Sheet
2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Control Structure

Structure Rating	A
Date of Inspection	7/13/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/13/2011 07/13/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	4
5	0.00	0.00	Structures	Revetments		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	5
6	0.00	0.00	Structures	Encroachments		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Item appears to be adequately maintained and able to perform as intended.	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	12
13	0.00	0.00	Structures	Electric Gate Operators		A	Inspector Comments: Item appears to be adequately maintained and able to perform as intended	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Item appears to be adequately maintained and able to perform as intended.	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Item appears to be acceptably maintained	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	16
17	0.00	0.00	Structures	Concrete Foundations		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	17

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure							07/13/2011 07/13/2011	Richard Willoughby

LNI/R No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
18	0.00	0.00	Structures	Security Fencing		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	18
19	0.00	0.00	Structures	Closure Structures		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	20
21	0.00	0.00	Structures	Other Metallic Items		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	21
22	0.00	0.00	Structures	Monolith Joints		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	22
23	0.00	0.00	Structures	Safety		A		37.204867 ° -120.696985 °	37.204867 ° -120.696985 °	23

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at upstream side of structure	
richard_t_20110726_016.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking at one of seven motors on upstream side of structure.	
richard_t_20110726_017.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at downstream side of structure.	
richard_t_20110726_018.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 1

Structure Rating	A
Date of Inspection	7/14/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/14/2011 07/14/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation			Inspector Comments: Item appears to be acceptably maintained	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	4
5	0.00	0.00	Structures	Revetments		N	Inspector Comments: Not able to inspect revetments due to high water.	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	5
6	0.00	0.00	Structures	Encroachments		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	16
17	0.00	0.00	Structures	Concrete Foundations		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	18

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1							07/14/2011 07/14/2011	Richard Willoughby

LNI/R No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	20
21	0.00	0.00	Structures	Other Metallic Items		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: Some minor movement at wing wall joint.	36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	22 Y
23	0.00	0.00	Structures	Safety		A		36.976928 ° -120.382103 °	36.976928 ° -120.382103 °	23

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking southeast at downstream side overview of structure.	
richard_t_20110727_056.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at general overview of structure.	
richard_t_20110727_057.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at close-up view of downstream side of structure.	
richard_t_20110727_058.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Monolith Joints
Looking west on downstream side at right wing wall.	
richard_t_20110727_055.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 2

Structure Rating	A
Date of Inspection	8/9/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/09/2011 08/09/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions that would impeded flow present.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present .	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or caving present.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Revetment appears to be properly maintained.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No visible encroachments.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	15

*** 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, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/09/2011 08/09/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement or settlement present.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible erosion or undermining near the structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not exist at this structure.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: All joints appears to be in good condition.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible safety hazards.	36.975357 ° -120.374833 °	36.975357 ° -120.374833 °	23

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking east at downstream side of structure.	
richard_t_20110831_082.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking north at general overview of structure.	
richard_t_20110831_083.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking northeast at downstream side of structure.	
richard_t_20110831_084.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		08/09/2011 08/09/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking northeast at close-up view of structure.	
richard_t_20110831_085.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Fresno River Drainage Structure

Structure Rating	A
Date of Inspection	7/14/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/14/2011 07/14/2011	Richard Willoughby

LNI# No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation			Inspector Comments: Item appears to be acceptably maintained	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	4
5	0.00	0.00	Structures	Revetments		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	5
6	0.00	0.00	Structures	Encroachments		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	7 Y
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	10
11	0.00	0.00	Structures	Flap Gates		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	11 Y
12	0.00	0.00	Structures	Sluice/Slide Gates		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Missing wheels on screw gate.	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	14 Y
15	0.00	0.00	Structures	Concrete Surfaces		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	16
17	0.00	0.00	Structures	Concrete Foundations		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	18

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure							07/14/2011 07/14/2011	Richard Willoughby

LNI/R No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	20
21	0.00	0.00	Structures	Other Metallic Items		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	21
22	0.00	0.00	Structures	Monolith Joints		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	22
23	0.00	0.00	Structures	Safety		A		36.975418 ° -120.359578 °	36.975418 ° -120.359578 °	23

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking west on downstream side at manual screw gates.	
richard_t_20110728_060.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Culverts: Inlets / Outlets
Looking west inlet side of structure.	
richard_t_20110728_062.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Flap Gates
Looking northwest on downstream side at flap gates.	
richard_t_20110728_061.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Manual Gate Operators
Looking north on downstream side at manual screw gates with two missing wheels.	
richard_t_20110728_059.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****Lower San Joaquin Levee District**

Structure
Mariposa Bypass Control Structure

Structure Rating	A
Date of Inspection	7/13/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/13/2011 07/13/2011	Richard Willoughby

LM/R No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation			Inspector Comments: Item appears to be adequately maintained and able to perform as intended	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No visible vegetation or obstructions impeding the flow.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation build-up or shoaling near the structure.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion near the structure.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: All revetments appears to be properly maintained.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments near the structure.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: No debris blocking culverts.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: No visible damage to culverts	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: No visible damage, sediment or obstructions inspected.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	12
13	0.00	0.00	Structures	Electric Gate Operators		A	Inspector Comments: Electrical gates are in proper working conditions.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gate appear to be in proper working order.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage to concrete surfaces.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	15

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure							07/13/2011 07/13/2011	Richard Willoughby

LIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement along the structure.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible undermining near the structure.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: No visible corrosion.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: All joints appear to be in good condition.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No safety hazards visible.	37.201538 ° -120.694813 °	37.201538 ° -120.694813 °	23

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at downstream side of structure.	
richard_t_20110726_019.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at upstream side of structure.	
richard_t_20110726_020.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking east at three (3) screw gates on north side of the structure.	
richard_t_20110726_021.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

Looking at one of six motors on upstream side of structure.

richard_t_20110726_022.jpg



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

Looking east at downstream side of structure.

richard_t_20110726_023.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Mariposa Bypass Drop Structure

Structure Rating	A
Date of Inspection	7/13/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/13/2011 07/13/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation			Inspector Comments: Structure appears to be maintained and able to perform as intended	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions near the structure that would impeded the flow.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation build-up or shoaling near the structure.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No erosion near the structure.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Revetment not viewable due to high water flows.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No visible encroachments near the structure.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage to concrete surface.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement along the structure.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	16

*** 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, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure							07/13/2011 07/13/2011	Richard Willoughby

LNI/R No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visibel undermining near the structure.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: Item does not exist on this structure	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: Some movement at left wing wall joints.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	22 Y
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible safety hazards.	37.201227 ° -120.755223 °	37.201227 ° -120.755223 °	23

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking north at overview of structure.	
richard_t_20110726_024.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking east at downstream side of structure.	
richard_t_20110726_025.jpg	



Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Monolith Joints
Looking east at left wing wall joint.	
richard_t_20110726_027.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Monolith Joints

Looking at left wing wall joint.

richard_t_20110726_028.jpg



Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Monolith Joints

Looking east at right wing wall joint.

richard_t_20110726_029.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Owens Creek Control Structure

Structure Rating	M
Date of Inspection	7/12/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/12/2011 07/12/2011	Richard Willoughby

LIR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation				37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No visible vegetation or obstructions to impeded flow.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling visible.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		M	Inspector Comments: There is some cracking occurring on levee embankment on the upstream side near the right wing wall.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	4 Y
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Revetment appears to be properly maintained.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments visible.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: No visible debris blocking the culverts.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: No visible damage to culverts.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	14
15	0.00	0.00	Structures	Concrete Surfaces		M	Inspector Comments: Cracking on upstream left and right wing walls	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	15 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement		M	Inspector Comments: Concrete tilting/settlement on upstream and downstream left wing walls.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	16 Y

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure							07/12/2011 07/12/2011	Richard Willoughby

LNI# No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible undermining along the structure.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: No visible damage or problems with structure.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: Item does not exist on this structure	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	21
22	0.00	0.00	Structures	Monolith Joints		M	Inspector Comments: Left wing wall joint should be repaired.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	22 Y
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible hazards.	37.219788 ° -120.698058 °	37.219788 ° -120.698058 °	23

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/12/2011 07/12/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking north at downstream side overview of structure.	
richard_t_20110725_011.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking north at overview of structure.	
richard_t_20110725_012.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking at upstream side overview of structure.	
richard_t_20110726_031.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/12/2011 07/12/2011	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Erosion / Bank Caving
Looking at levee cracking on the north upstream side of structure.	
richard_t_20110725_008.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
Looking at cracking on upstream side right wall.	
richard_t_20110726_032.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
Looking at cracking on upstream side right wing wall.	
richard_t_20110726_033.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/12/2011 07/12/2011	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Tilting / Settlement

Looking at cracking and movement of the left downstream wing wall.

richard_t_20110725_010.jpg



Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Monolith Joints

Looking at left wing wall on upstream side joint seperation

richard_t_20110829_034.jpg



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Owens Creek Overflow Structure

Structure Rating	A
Date of Inspection	7/13/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/13/2011 07/13/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Structures	Photo Documentation			Inspector Comments: The structure appears to be maintained and able to perform as intended	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No visible vegetation or obstructions to impeded flow.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation build-up or shoaling near the structure.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No erosion near the structure.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Revetment on outlet side not viewable due to high water.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments near the structure.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: No debris visible to block culverts.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	7 Y
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: No visible damage to culverts	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Slide gates not viewable due to high water.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gates appears to be in good working condition.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage to concrete surface.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	16

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/13/2011 07/13/2011	Richard Willoughby

LMI/ No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible undermining along the structure.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: No visible corrosion.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: Item does not exist on this structure	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible hazards.	37.205787 ° -120.696838 °	37.205787 ° -120.696838 °	23

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking south at upstream side at overview of structure.	
richard_t_20110725_013.jpg	



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation
Looking north at south side of structure.	
richard_t_20110725_014.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Culverts: Inlets / Outlets
Looking southwest at outlet of structure.	
richard_t_20110727_034.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****Lower San Joaquin Levee District**

Structure
San Joaquin River And Chowchilla Canal Bypass Control Structure

Structure Rating	A
Date of Inspection	7/14/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		07/14/2011 07/14/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: The structure appears to be maintained and able performed as designed. To eliminate the vibration the gates must remain all the way open or close.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction visible to impeded flow.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation build-up or shoaling visible.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion near structure.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: All revetment appears to be properly maintained.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No visible encroachments present.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: No visible debris blocking culverts.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	7 Y
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: No visible damage to culverts.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	9
10	0.00	0.00	Structures	Trash Racks		A	Inspector Comments: Trash racks appears to be properly maintained.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	10 Y
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not exist on this structure.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		M	Inspector Comments: Levee District have observed what appears to be "harmonic vibration" from two of the four flood gates of the Chowchilla Canal Bypass control structure. Specifically, gates 1 and 4. Inspection revealed a sheared bolt connection between two of the I-beams of the gate, and some separation between the support I-beams for the gate. Based on the report done by Jesse J. Dillon of DOE he recommend operating criteria for the gates should be modified immediately to exclude, as much as possible, conditions that excite the lower portion of the gates and induce vibration.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	12 Y

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		07/14/2011 07/14/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	0.00	0.00	Structures	Electric Gate Operators		A	Inspector Comments: Gates appears to be in proper working condition.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	13 Y
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gates appears to be in proper working condition.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: No visible damage to concrete surface.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement along this structure.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible undermining present.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Fencing appears to be properly maintained.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	18 Y
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	19
20	0.00	0.00	Structures	Trash Rakes		A	Inspector Comments: No mechanical trash rake exists on this structure. District maintains a manual trash rake to remove trash.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: No visible corrosion.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: All joints appears to be in good condition.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No safety hazards present.	36.773983 ° -120.284067 °	36.773983 ° -120.284067 °	23

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Looking north at Chowchilla Bypass Control Structure upstream side general overview of structure.	
richard_t_20110727_044.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Looking north at a general overview of San Joaquin River Control Structure.	
richard_t_20110727_048.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Looking northeast at general overview of a Chowchilla Bypass Control Structure.	
richard_t_20110727_049.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Looking west at general overview of Chowchilla Bypass Control Structure.	
richard_t_20110727_052.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Culverts: Inlets / Outlets
Looking north at outlet on the San Joaquin River Control Structure overview.	
richard_t_20110727_047.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Culverts: Inlets / Outlets
Looking west at general overview of outlet on Chowchilla Bypass Control Structure.	
richard_t_20110727_053.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Trash Racks
Looking west at trash racks and general overview of San Joaquin River Control Structure.	
richard_t_20110727_050.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Sluice/Slide Gates
Looking at gate #1 with some slight cracking along I-beams.	
richard_t_20110727_042.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Sluice/Slide Gates
Looking at gate # 4 with sheared bolt and cracking along I-beam.	
richard_t_20110727_043.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Sluice/Slide Gates
Looking north at gates on the San Joaquin River Control Structure.	
richard_t_20110727_046.jpg	



Levee Mile Report Line	13
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Electric Gate Operators
Looking at one of several motor on San Joaquin River Control Structure.	
richard_t_20110727_045.jpg	



Levee Mile Report Line	13
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Electric Gate Operators
Looking north at one of several motors on the Chowchilla Bypass Control Structure.	
richard_t_20110727_051.jpg	



* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River And Chowchilla Canal Bypass Control Structure		07/14/2011 07/14/2011	Richard Willoughby

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Security Fencing
Looking north at security fencing around maintenance facilities.	
richard_t_20110727_054.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2011 Structure Inspection Results

Lower San Joaquin Levee District

Structure
San Joaquin River Structure And Sand Slough Structure

Structure Rating	A
Date of Inspection	7/13/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		07/13/2011 07/13/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Structures	Photo Documentation			Inspector Comments: San Joaquin River Structure not view due to high water flows. The Sand Slough structure appears to be maintained and able to function as designed.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	1
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction appears to impede flow.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No visible sedimentation or shoaling present.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No visible erosion near the structure.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Revetment appears to be properly maintained.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments near the structure.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: There is minor vegetation in inlet culvert.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	7 Y
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: No visible damage to culverts.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: Not able to inspect gates due to high water.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	12 Y
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: All manual gates appears to be in proper working condition.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	14
15	0.00	0.00	Structures	Concrete Surfaces		M	Inspector Comments: Cracking on outlet side on left and right corner.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	15 Y

* 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, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure						Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure							07/13/2011 07/13/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No visible movement along this structure.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No visible undermining present or near this structure.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: No visible corrosion	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	21
22	0.00	0.00	Structures	Monolith Joints		M	Inspector Comments: Medium size cracking on outlet side on right corner should be repaired.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No visible safety hazards.	37.112337 ° -120.589543 °	37.112337 ° -120.589543 °	23

* 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, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Culverts: Inlets / Outlets
Looking north at inlet side of structure.	
richard_t_20110727_039.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Culverts: Inlets / Outlets
Looking east at inlet side of structure.	
richard_t_20110727_040.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Sluice/Slide Gates
Looking east at gates on downstream side of structure.	
richard_t_20110727_038.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Sluice/Slide Gates
Looking at slide gates on outlet side of structure.	
richard_t_20110727_041.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
Looking southeast at left corner with slight chipping at joint.	
richard_t_20110727_035.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
Looking west at right corner on outlet side with chipping at joint.	
richard_t_20110727_036.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure And Sand Slough Structure		07/13/2011 07/13/2011	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
Looking at close-up view of chipping on right corner joint on outlet side.	
richard_t_20110727_037.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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