

Flood Control Project Maintenance
2010 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 | M |
| | 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. 2

| Overall Unit Rating | Rated Item | Item Rating |
|---------------------|-----------------------------------|-------------|
| A | Vegetation & Obstructions | A |
| | Shoaling / Sedimentation | A |
| | Erosion / Bank Caving | M |
| | 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
2010 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 | Photo Documentation | 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
2010 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 4

| Overall Unit Rating | Rated Item | Item Rating |
|---------------------|-----------------------------------|-------------|
| M | Vegetation & Obstructions | M |
| | Shoaling / Sedimentation | A |
| | Erosion / Bank Caving | A |
| | Revetments | A |
| | Encroachments | U |
| | 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 |

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 | N |
| | Culverts: Breaks / Holes / Cracks | N |
| | Metal Pipes | N |
| | Trash Racks | N |
| | Flap Gates | N |
| | Sluice/Slide Gates | N |
| | Electric Gate Operators | A |
| | Manual Gate Operators | N |
| | Concrete Surfaces | M |
| | Concrete Tilting / Settlement | N |
| | 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
2010 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Control Structure

| Overall Unit Rating | Rated Item | Item Rating |
|---------------------|---------------------------------------|-------------|
| A | Plant Building | A |
| | Motors, Engines, Fans & Gear Reducers | 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 | A |
| | Electric Gate Operators | A |
| | Manual Gate Operators | N |
| | Concrete Surfaces | A |
| | Concrete Tilting / Settlement | A |
| | Concrete Foundations | A |
| | Security Fencing | A |
| | Closure Structures | N |
| | Trash Rakes | N |
| | Other Metallic Items | A |
| | Monolith Joints | A |
| | Safety | A |

Flood Control Project Maintenance
2010 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 | 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
2010 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 2

| Overall Unit Rating | Rated Item | Item Rating |
|---------------------|-----------------------------------|-------------|
| A | Photo Documentation | N |
| | 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
2010 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 | A |
| | Trash Racks | N |
| | Flap Gates | A |
| | Sluice/Slide Gates | M |
| | Electric Gate Operators | N |
| | Manual Gate Operators | M |
| | 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 | N |
| | Safety | A |

Flood Control Project Maintenance
2010 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Control Structure

| Overall Unit Rating | Rated Item | Item Rating |
|---------------------|---------------------------------------|-------------|
| A | Motors, Engines, Fans & Gear Reducers | 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 | A |
| | Sluice/Slide Gates | N |
| | Electric Gate Operators | A |
| | Manual Gate Operators | N |
| | Concrete Surfaces | A |
| | Concrete Tilting / Settlement | A |
| | Concrete Foundations | A |
| | Security Fencing | N |
| | Closure Structures | A |
| | Trash Rakes | N |
| | Other Metallic Items | A |
| | Monolith Joints | A |
| | Safety | A |

Flood Control Project Maintenance
2010 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 | 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 | U |
| | Concrete Tilting / Settlement | A |
| | Concrete Foundations | A |
| | Security Fencing | N |
| | Closure Structures | A |
| | Trash Rakes | N |
| | Other Metallic Items | N |
| | Monolith Joints | N |
| | Safety | A |

Flood Control Project Maintenance
2010 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 | N |
| | 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 | N |
| | Monolith Joints | N |
| | Safety | A |

San Joaquin River And Chowchilla Canal Bypass Control Structure

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

Flood Control Project Maintenance
2010 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 |
|---------------------|-----------------------------------|-------------|
| M | Vegetation & Obstructions | M |
| | 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 | U |
| | 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 |

Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Lower San Joaquin Levee District**

| Structure |
|---------------------------------|
| Ash Slough Drop Structure No. 1 |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 1 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|---|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | Y | 8 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 5 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 10 |
| 4 | | | Structures | Erosion / Bank Caving | | M | Inspector Comments: There are minor to modest erosion on the west wing wall top right outside corner. | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | Y | 6 |
| 5 | | | Structures | Revetments | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 3 |
| 6 | | | Structures | Encroachments | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 4 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 9 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 11 |
| 9 | | | Structures | Metal Pipes | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 12 |
| 10 | | | Structures | Trash Racks | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 13 |
| 11 | | | Structures | Flap Gates | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 14 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 15 |
| 13 | | | Structures | Electric Gate Operators | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 16 |
| 14 | | | Structures | Manual Gate Operators | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 17 |
| 15 | | | Structures | Concrete Surfaces | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 18 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 2 |
| 17 | | | Structures | Concrete Foundations | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 1 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | | | | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|--|--|--|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 1 | | | | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 19 |
| 19 | | | Structures | Closure Structures | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 20 |
| 20 | | | Structures | Trash Rakes | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 23 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 21 |
| 22 | | | Structures | Monolith Joints | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 7 |
| 23 | | | Structures | Safety | | A | | 37.033958 ° -120.441988 ° | 37.033958 ° -120.441988 ° | | 22 |

| | | |
|---|---|---|
| <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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 1 | | 08/17/2010 08/17/2010 | 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_20100823_089.jpg | |



| | |
|---------------------------------------|-----------------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Erosion / Bank Caving |
| Looking at erosion at west wing wall. | |
| richard_t_20100825_114.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|---------------------------------|
| Structure |
| Ash Slough Drop Structure No. 2 |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 2 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | Y | 8 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 5 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 9 |
| 4 | | | Structures | Erosion / Bank Caving | | M | Inspector Comments: There is minor erosion on the west wing wall | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | Y | 6 |
| 5 | | | Structures | Revetments | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 3 |
| 6 | | | Structures | Encroachments | | C | Inspector Comments: Remove sand piles | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 4 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 10 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 11 |
| 9 | | | Structures | Metal Pipes | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 13 |
| 10 | | | Structures | Trash Racks | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 14 |
| 11 | | | Structures | Flap Gates | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 15 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 16 |
| 13 | | | Structures | Electric Gate Operators | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 17 |
| 14 | | | Structures | Manual Gate Operators | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 18 |
| 15 | | | Structures | Concrete Surfaces | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 19 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 2 |
| 17 | | | Structures | Concrete Foundations | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 1 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 2 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 20 |
| 19 | | | Structures | Closure Structures | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 21 |
| 20 | | | Structures | Trash Rakes | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 22 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 23 |
| 22 | | | Structures | Monolith Joints | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 7 |
| 23 | | | Structures | Safety | | A | | 37.037875 ° -120.440342 ° | 37.037875 ° -120.440342 ° | | 24 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 2 | | 08/17/2010 08/17/2010 | 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_20100823_091.jpg | |



| | |
|---|-----------------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Erosion / Bank Caving |
| Looking at minor erosion at west wing wall. | |
| richard_t_20100825_115.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|---------------------------------|
| Structure |
| Ash Slough Drop Structure No. 3 |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 3 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | Y | 7 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 5 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 9 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 8 |
| 5 | | | Structures | Revetments | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 3 |
| 6 | | | Structures | Encroachments | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 4 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 10 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 11 |
| 9 | | | Structures | Metal Pipes | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 12 |
| 10 | | | Structures | Trash Racks | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 13 |
| 11 | | | Structures | Flap Gates | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 14 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 15 |
| 13 | | | Structures | Electric Gate Operators | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 16 |
| 14 | | | Structures | Manual Gate Operators | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 17 |
| 15 | | | Structures | Concrete Surfaces | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 18 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 2 |
| 17 | | | Structures | Concrete Foundations | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 1 |

| | | |
|--|--|--|
| * 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/Rated |
|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 3 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 19 |
| 19 | | | Structures | Closure Structures | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 20 |
| 20 | | | Structures | Trash Rakes | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 21 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 22 |
| 22 | | | Structures | Monolith Joints | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 6 |
| 23 | | | Structures | Safety | | A | | 37.042763 ° -120.436312 ° | 37.042763 ° -120.436312 ° | | 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/Rated</p> |
|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 3 | | 08/17/2010 08/17/2010 | 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_20100823_093.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance
Unit Cover Sheet
2010 Structure Inspection Results

Lower San Joaquin Levee District

| Structure |
|---------------------------------|
| Ash Slough Drop Structure No. 4 |

| | |
|--------------------|--------------------|
| Structure Rating | M |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 4 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | Y | 7 |
| 2 | | | Structures | Vegetation & Obstructions | | M | Inspector Comments: Overgrown vegetation on west (downstream) side of structure. | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | Y | 5 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 8 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 9 |
| 5 | | | Structures | Revetments | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 3 |
| 6 | | | Structures | Encroachments | | U | Inspector Comments: Non-permitted seasonal sand dam on the upstream side is for irrigation purpose and can be easily breached or washed out in the event of high water. Landowner should apply for a permit to maintain dam structure. | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | Y | 4 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 10 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 12 |
| 9 | | | Structures | Metal Pipes | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 13 |
| 10 | | | Structures | Trash Racks | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 14 |
| 11 | | | Structures | Flap Gates | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 15 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 16 |
| 13 | | | Structures | Electric Gate Operators | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 17 |
| 14 | | | Structures | Manual Gate Operators | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 18 |
| 15 | | | Structures | Concrete Surfaces | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 19 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 4 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 2 |
| 17 | | | Structures | Concrete Foundations | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 1 |
| 18 | | | Structures | Security Fencing | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 20 |
| 19 | | | Structures | Closure Structures | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 21 |
| 20 | | | Structures | Trash Rakes | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 22 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 23 |
| 22 | | | Structures | Monolith Joints | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 6 |
| 23 | | | Structures | Safety | | A | | 37.045017 ° -120.429867 ° | 37.045017 ° -120.429867 ° | | 24 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Ash Slough Drop Structure No. 4 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking south at dam across east side (upstream) of structure. | |
| richard_t_20100823_095.jpg | |



| | |
|--|---------------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Vegetation & Obstructions |
| Looking southwest at overgrown of vegetation on the west (downstream) side of structure. | |
| richard_t_20100825_117.jpg | |



| | |
|---|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Encroachments |
| Looking south at Earthen Dam across east side of structure. | |
| richard_t_20100825_116.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/Rated |
|--|--|--|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|--------------------------------|
| Structure |
| Bear Creek Diversion Structure |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/16/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Bear Creek Diversion Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|----------|--------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | Y | 8 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 2 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 10 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 9 |
| 5 | | | Structures | Revetments | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 4 |
| 6 | | | Structures | Encroachments | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 6 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 11 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 12 |
| 9 | | | Structures | Metal Pipes | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 13 |
| 10 | | | Structures | Trash Racks | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 14 |
| 11 | | | Structures | Flap Gates | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 15 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 16 |
| 13 | | | Structures | Electric Gate Operators | | A | Inspector Comments: An electric gate was installed by Stevenson Water Irrigation District to release water to wildlife reserve. This gate was installed without the permission of the CVFPB two years ago. | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | Y | 5 |
| 14 | | | Structures | Manual Gate Operators | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 17 |
| 15 | | | Structures | Concrete Surfaces | | M | Inspector Comments: Minor cracking on downstream side of the north wing wall. Monitor and repair the cracks in the abutments as needed. | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | Y | 3 |

*** 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/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Bear Creek Diversion Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 16 | | | Structures | Concrete Tilting / Settlement | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 18 |
| 17 | | | Structures | Concrete Foundations | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 1 |
| 18 | | | Structures | Security Fencing | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 19 |
| 19 | | | Structures | Closure Structures | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 20 |
| 20 | | | Structures | Trash Rakes | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 21 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 22 |
| 22 | | | Structures | Monolith Joints | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 7 |
| 23 | | | Structures | Safety | | A | | 37.254956 ° -120.718385 ° | 37.254956 ° -120.718385 ° | | 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Bear Creek Diversion Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|-------------------------------------|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Overview of Structure looking east. | |
| richard_t_20100819_064.jpg | |



| | |
|------------------------------------|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking south at top of structure. | |
| richard_t_20100819_068.jpg | |



| | |
|--|-------------------------|
| Levee Mile Report Line | 13 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Electric Gate Operators |
| Automatic Tide Flow Gate on upstream side of the structure | |
| richard_t_20100825_120.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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Bear Creek Diversion Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|---|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking at north wing wall minor to modest cracking | |
| richard_t_20100825_118.jpg | |



| | |
|--|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking at cracking on north wing wall . | |
| richard_t_20100825_119.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/Rated |
|--|--|

Flood Control Project Maintenance
Unit Cover Sheet
2010 Structure Inspection Results

Lower San Joaquin Levee District

| Structure |
|-----------------------------------|
| Eastside Bypass Control Structure |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/16/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-----------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|---------------|---------------------------------------|------------|-----------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Pump Stations | Plant Building | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 8 |
| 2 | | | Pump Stations | Motors, Engines, Fans & Gear Reducers | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 9 |
| 3 | | | Structures | Photo Documentation | | | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | Y | 11 |
| 4 | | | Structures | Vegetation & Obstructions | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 4 |
| 5 | | | Structures | Shoaling / Sedimentation | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 12 |
| 6 | | | Structures | Erosion / Bank Caving | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 13 |
| 7 | | | Structures | Revetments | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 10 |
| 8 | | | Structures | Encroachments | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 6 |
| 9 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 14 |
| 10 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 15 |
| 11 | | | Structures | Metal Pipes | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 16 |
| 12 | | | Structures | Trash Racks | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 17 |
| 13 | | | Structures | Flap Gates | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 18 |
| 14 | | | Structures | Sluice/Slide Gates | | A | Inspector Comments: Lube (grease) conduits were disconnected at hing point. This was corrected | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 19 |
| 15 | | | Structures | Electric Gate Operators | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 2 |
| 16 | | | Structures | Manual Gate Operators | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 20 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-----------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 17 | | | Structures | Concrete Surfaces | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 3 |
| 18 | | | Structures | Concrete Tilting / Settlement | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 21 |
| 19 | | | Structures | Concrete Foundations | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 1 |
| 20 | | | Structures | Security Fencing | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 22 |
| 21 | | | Structures | Closure Structures | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 23 |
| 22 | | | Structures | Trash Rakes | | N | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 24 |
| 23 | | | Structures | Other Metallic Items | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 5 |
| 24 | | | Structures | Monolith Joints | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 7 |
| 25 | | | Structures | Safety | | A | | 37.204788 ° -120.697035 ° | 37.204788 ° -120.697035 ° | | 25 |

| | | |
|---|---|---|
| <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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-----------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|---|---------------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at overview of north side (downstream side) of structure. | |
| richard_t_20100819_076.jpg | |



| | |
|---|---------------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at top view of south side (upstream side) of structure. | |
| richard_t_20100819_077.jpg | |



| | |
|---|---------------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at control house on west side of structure. | |
| richard_t_20100819_078.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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-----------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|--|---------------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at control gates on south side (upstream side) of structure. | |
| richard_t_20100819_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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Lower San Joaquin Levee District**

| Structure |
|--------------------------------------|
| Eastside Bypass Drop Structure No. 1 |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Drop Structure No. 1 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | Y | 7 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 5 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 22 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 23 |
| 5 | | | Structures | Revetments | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 3 |
| 6 | | | Structures | Encroachments | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 4 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 8 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 9 |
| 9 | | | Structures | Metal Pipes | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 10 |
| 10 | | | Structures | Trash Racks | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 11 |
| 11 | | | Structures | Flap Gates | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 12 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 13 |
| 13 | | | Structures | Electric Gate Operators | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 14 |
| 14 | | | Structures | Manual Gate Operators | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 15 |
| 15 | | | Structures | Concrete Surfaces | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 16 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 2 |
| 17 | | | Structures | Concrete Foundations | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 1 |

| | | |
|---|---|---|
| <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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Drop Structure No. 1 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 17 |
| 19 | | | Structures | Closure Structures | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 18 |
| 20 | | | Structures | Trash Rakes | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 19 |
| 21 | | | Structures | Other Metallic Items | | N | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 20 |
| 22 | | | Structures | Monolith Joints | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 6 |
| 23 | | | Structures | Safety | | A | | 36.976172 ° -120.382062 ° | 36.976172 ° -120.382062 ° | | 21 |

*** 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/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Drop Structure No. 1 | | 08/17/2010 08/17/2010 | 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_20100824_100.jpg | |



| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking west at overview of structure. | |
| richard_t_20100824_101.jpg | |



| | |
|---|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking east at west side of structure. | |
| richard_t_20100824_102.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|--------------------------------------|
| Structure |
| Eastside Bypass Drop Structure No. 2 |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Drop Structure No. 2 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | Y | 7 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 5 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 22 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 23 |
| 5 | | | Structures | Revetments | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 3 |
| 6 | | | Structures | Encroachments | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 4 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 21 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 8 |
| 9 | | | Structures | Metal Pipes | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 9 |
| 10 | | | Structures | Trash Racks | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 10 |
| 11 | | | Structures | Flap Gates | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 11 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 12 |
| 13 | | | Structures | Electric Gate Operators | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 13 |
| 14 | | | Structures | Manual Gate Operators | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 14 |
| 15 | | | Structures | Concrete Surfaces | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 15 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 2 |
| 17 | | | Structures | Concrete Foundations | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 1 |

| | | |
|--|--|--|
| * 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/Rated |
|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Drop Structure No. 2 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 16 |
| 19 | | | Structures | Closure Structures | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 17 |
| 20 | | | Structures | Trash Rakes | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 18 |
| 21 | | | Structures | Other Metallic Items | | N | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 19 |
| 22 | | | Structures | Monolith Joints | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 6 |
| 23 | | | Structures | Safety | | A | | 36.975315 ° -120.374825 ° | 36.975315 ° -120.374825 ° | | 20 |

| | |
|---|---|
| <p>* Location LS : Land Side WS : Water Side CR : Crown</p> | <p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p> |
|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------------|------------------|--------------------------|--------------------|
| Eastside Bypass Drop Structure No. 2 | | 08/17/2010 08/17/2010 | Richard Willoughby |

| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking south at overview of structure | |
| richard_t_20100824_103.jpg | |



| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking south at west side of structure. | |
| richard_t_20100824_104.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|---------------------------------|
| Structure |
| Fresno River Drainage Structure |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Fresno River Drainage Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | Y | 8 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 7 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 23 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 1 |
| 5 | | | Structures | Revetments | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 5 |
| 6 | | | Structures | Encroachments | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 6 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 9 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 10 |
| 9 | | | Structures | Metal Pipes | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 11 |
| 10 | | | Structures | Trash Racks | | N | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 12 |
| 11 | | | Structures | Flap Gates | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 3 |
| 12 | | | Structures | Sluice/Slide Gates | | M | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 13 |
| 13 | | | Structures | Electric Gate Operators | | N | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 14 |
| 14 | | | Structures | Manual Gate Operators | | M | Inspector Comments: Screw gate control wheels (2) are missing and broken (1). Need to repair or replace gate control wheels. | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | Y | 4 |
| 15 | | | Structures | Concrete Surfaces | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 15 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Fresno River Drainage Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 17 | | | Structures | Concrete Foundations | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 2 |
| 18 | | | Structures | Security Fencing | | N | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 17 |
| 19 | | | Structures | Closure Structures | | N | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 18 |
| 20 | | | Structures | Trash Rakes | | N | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 19 |
| 21 | | | Structures | Other Metallic Items | | N | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 20 |
| 22 | | | Structures | Monolith Joints | | N | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 21 |
| 23 | | | Structures | Safety | | A | | 36.975460 ° -120.359655 ° | 36.975460 ° -120.359655 ° | | 22 |

| | |
|--|--|
| * Location LS : Land Side WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Fresno River Drainage Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| | |
|-----------------------------|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking west at flap gates. | |
| richard_t_20100824_097.jpg | |



| | |
|-------------------------------|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking south at screw gates. | |
| richard_t_20100824_098.jpg | |



| | |
|---|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Photo Documentation |
| Looking west at inlet (upstream) side of structure. | |
| richard_t_20100824_099.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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---------------------------------|------------------|--------------------------|--------------------|
| Fresno River Drainage Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| | |
|--|-----------------------|
| Levee Mile Report Line | 14 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | |
| Category | Structures |
| Item | Manual Gate Operators |
| Looking at broken and missing screw gate wheels. | |
| richard_t_20100825_121.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/Rated</p> |
|---|---|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|-----------------------------------|
| Structure |
| Mariposa Bypass Control Structure |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/16/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-----------------------------------|------------------|--------------------------|--------------------|
| Mariposa Bypass Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|---------------|---------------------------------------|------------|-----------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Pump Stations | Motors, Engines, Fans & Gear Reducers | | A | Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Electrical equipment in good conditions. | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 3 |
| 2 | | | Structures | Photo Documentation | | | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | Y | 10 |
| 3 | | | Structures | Vegetation & Obstructions | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 4 |
| 4 | | | Structures | Shoaling / Sedimentation | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 24 |
| 5 | | | Structures | Erosion / Bank Caving | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 11 |
| 6 | | | Structures | Revetments | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 5 |
| 7 | | | Structures | Encroachments | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 12 |
| 8 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 13 |
| 9 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 14 |
| 10 | | | Structures | Metal Pipes | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 15 |
| 11 | | | Structures | Trash Racks | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 16 |
| 12 | | | Structures | Flap Gates | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 17 |
| 13 | | | Structures | Sluice/Slide Gates | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 18 |
| 14 | | | Structures | Electric Gate Operators | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 6 |
| 15 | | | Structures | Manual Gate Operators | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 19 |
| 16 | | | Structures | Concrete Surfaces | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 2 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-----------------------------------|------------------|--------------------------|--------------------|
| Mariposa Bypass Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 17 | | | Structures | Concrete Tilting / Settlement | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 20 |
| 18 | | | Structures | Concrete Foundations | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 1 |
| 19 | | | Structures | Security Fencing | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 21 |
| 20 | | | Structures | Closure Structures | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 7 |
| 21 | | | Structures | Trash Rakes | | N | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 22 |
| 22 | | | Structures | Other Metallic Items | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 8 |
| 23 | | | Structures | Monolith Joints | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 9 |
| 24 | | | Structures | Safety | | A | | 37.201317 ° -120.694805 ° | 37.201317 ° -120.694805 ° | | 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-----------------------------------|------------------|--------------------------|--------------------|
| Mariposa Bypass Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|--|---------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at overview of west side (downstream side) of structure. | |
| richard_t_20100819_080.jpg | |



| | |
|--|---------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at overview of east side (upstream side) of structure. | |
| richard_t_20100819_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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance
Unit Cover Sheet
2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|--------------------------------|
| Structure |
| Mariposa Bypass Drop Structure |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/16/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Mariposa Bypass Drop Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 6 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 4 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 22 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 7 |
| 5 | | | Structures | Revetments | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 23 |
| 6 | | | Structures | Encroachments | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 3 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 8 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 9 |
| 9 | | | Structures | Metal Pipes | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 10 |
| 10 | | | Structures | Trash Racks | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 11 |
| 11 | | | Structures | Flap Gates | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 12 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 13 |
| 13 | | | Structures | Electric Gate Operators | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 14 |
| 14 | | | Structures | Manual Gate Operators | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 15 |
| 15 | | | Structures | Concrete Surfaces | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | Y | 5 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 16 |
| 17 | | | Structures | Concrete Foundations | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 1 |

| | | |
|--|--|--|
| * 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/Rated |
|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Mariposa Bypass Drop Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 17 |
| 19 | | | Structures | Closure Structures | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 18 |
| 20 | | | Structures | Trash Rakes | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 19 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 20 |
| 22 | | | Structures | Monolith Joints | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | Y | 2 |
| 23 | | | Structures | Safety | | A | | 37.202181 ° -120.755237 ° | 37.202181 ° -120.755237 ° | | 21 |

| | |
|---|---|
| <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/Rated</p> |
|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Mariposa Bypass Drop Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|--|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking south at overview of structure | |
| richard_t_20100819_082.jpg | |



| | |
|--------------------------------------|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking at joint on north wing wall. | |
| richard_t_20100819_083.jpg | |



| | |
|---------------------------------------|-----------------|
| Levee Mile Report Line | 22 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Monolith Joints |
| Looking at left bank wing wall joint. | |
| richard_t_20100714_035.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/Rated |
|--|--|--|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|-------------------------------|
| Structure |
| Owens Creek Control Structure |

| | |
|--------------------|--------------------|
| Structure Rating | M |
| Date of Inspection | 8/16/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-------------------------------|------------------|--------------------------|--------------------|
| Owens Creek Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | Y | 6 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 1 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 7 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 8 |
| 5 | | | Structures | Revetments | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 9 |
| 6 | | | Structures | Encroachments | | A | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 2 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 10 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 11 |
| 9 | | | Structures | Metal Pipes | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 12 |
| 10 | | | Structures | Trash Racks | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 13 |
| 11 | | | Structures | Flap Gates | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 14 |
| 12 | | | Structures | Sluice/Slide Gates | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 15 |
| 13 | | | Structures | Electric Gate Operators | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 16 |
| 14 | | | Structures | Manual Gate Operators | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 17 |
| 15 | | | Structures | Concrete Surfaces | | U | Inspector Comments: Downstream side north wing wall is badly damage and should be replace. Also minor cracking on south wing wall. | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | Y | 3 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 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/Rated |
|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-------------------------------|------------------|--------------------------|--------------------|
| Owens Creek Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|---|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 17 | | | Structures | Concrete Foundations | | A | Inspector Comments: This structure was in existence prior to the construction of the project and is a part of the LSJLD, but is operated by Steveson Water Irrigation District formerly the Eastside Canal Company. | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 4 |
| 18 | | | Structures | Security Fencing | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 19 |
| 19 | | | Structures | Closure Structures | | A | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 5 |
| 20 | | | Structures | Trash Rakes | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 21 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 22 |
| 22 | | | Structures | Monolith Joints | | N | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 23 |
| 23 | | | Structures | Safety | | A | | 37.219700 ° -120.697977 ° | 37.219700 ° -120.697977 ° | | 24 |

| | |
|---|---|
| <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/Rated</p> |
|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-------------------------------|------------------|--------------------------|--------------------|
| Owens Creek Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|------------------------------------|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking south at top of structure. | |
| richard_t_20100819_071.jpg | |



| | |
|---|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking at east side (upstream) of structure. | |
| richard_t_20100819_072.jpg | |



| | |
|--|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking at damage wing wall on the left bank of the downstream side of the structure | |
| richard_t_20100825_122.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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|-------------------------------|------------------|--------------------------|--------------------|
| Owens Creek Control Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|--|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking at cracking on south wing wall corner on east side of the structure. | |
| richard_t_20100825_123.jpg | |



| | |
|--|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking at cracking on south wing wall on east side (upstream) of structure. | |
| richard_t_20100825_124.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lower San Joaquin Levee District

| |
|--------------------------------|
| Structure |
| Owens Creek Overflow Structure |

| | |
|--------------------|--------------------|
| Structure Rating | A |
| Date of Inspection | 8/16/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Owens Creek Overflow Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | Y | 6 |
| 2 | | | Structures | Vegetation & Obstructions | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 4 |
| 3 | | | Structures | Shoaling / Sedimentation | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 1 |
| 4 | | | Structures | Erosion / Bank Caving | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 7 |
| 5 | | | Structures | Revetments | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 5 |
| 6 | | | Structures | Encroachments | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 8 |
| 7 | | | Structures | Culverts: Inlets / Outlets | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 2 |
| 8 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 9 |
| 9 | | | Structures | Metal Pipes | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 11 |
| 10 | | | Structures | Trash Racks | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 13 |
| 11 | | | Structures | Flap Gates | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 12 |
| 12 | | | Structures | Sluice/Slide Gates | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 14 |
| 13 | | | Structures | Electric Gate Operators | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 15 |
| 14 | | | Structures | Manual Gate Operators | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 16 |
| 15 | | | Structures | Concrete Surfaces | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 3 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 17 |
| 17 | | | Structures | Concrete Foundations | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Owens Creek Overflow Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 19 |
| 19 | | | Structures | Closure Structures | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 20 |
| 20 | | | Structures | Trash Rakes | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 21 |
| 21 | | | Structures | Other Metallic Items | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 22 |
| 22 | | | Structures | Monolith Joints | | N | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 23 |
| 23 | | | Structures | Safety | | A | | 37.205768 ° -120.696872 ° | 37.205768 ° -120.696872 ° | | 24 |

| | |
|---|---|
| <p>* Location LS : Land Side WS : Water Side CR : Crown</p> | <p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p> |
|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|--------------------------------|------------------|--------------------------|--------------------|
| Owens Creek Overflow Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking at south side (upstream) of structure. | |
| richard_t_20100819_074.jpg | |



| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking at north side (downstream) of structure. | |
| richard_t_20100819_075.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Lower San Joaquin Levee District**

| Structure |
|---|
| San Joaquin River And Chowchilla Canal Bypass Control Structure |

| | |
|--------------------|---------------------------|
| Structure Rating | A |
| Date of Inspection | 8/17/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---|------------------|--------------------------|--------------------|
| San Joaquin River And Chowchilla Canal Bypass Control Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|---|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | A | Inspector Comments: San Joaquin River Control Structure | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | Y | 1 |
| 2 | | | Structures | Photo Documentation | | A | Inspector Comments: Chowchilla Canal Bypass Control Structure | 36.776315 ° -120.286085 ° | 36.774515 ° -120.286090 ° | Y | 10 |
| 3 | | | Structures | Vegetation & Obstructions | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 5 |
| 4 | | | Structures | Shoaling / Sedimentation | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 17 |
| 5 | | | Structures | Erosion / Bank Caving | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 18 |
| 6 | | | Structures | Revetments | | N | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 2 |
| 7 | | | Structures | Encroachments | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 12 |
| 8 | | | Structures | Culverts: Inlets / Outlets | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 20 |
| 9 | | | Structures | Culverts: Breaks / Holes / Cracks | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 21 |
| 10 | | | Structures | Metal Pipes | | N | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 22 |
| 11 | | | Structures | Trash Racks | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 23 |
| 12 | | | Structures | Flap Gates | | N | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 24 |
| 13 | | | Structures | Electric Gate Operators | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 13 |
| 14 | | | Structures | Manual Gate Operators | | N | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 25 |
| 15 | | | Structures | Concrete Surfaces | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 3 |
| 16 | | | Structures | Concrete Tilting / Settlement | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 4 |
| 17 | | | Structures | Concrete Foundations | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 27 |

| | | |
|--|--|--|
| * 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/Rated |
|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---|------------------|--------------------------|--------------------|
| San Joaquin River And Chowchilla Canal Bypass Control Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|----------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 18 | | | Structures | Security Fencing | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 28 |
| 19 | | | Structures | Closure Structures | | N | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 29 |
| 20 | | | Structures | Trash Rakes | | N | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 30 |
| 21 | | | Structures | Other Metallic Items | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 31 |
| 22 | | | Structures | Monolith Joints | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 16 |
| 23 | | | Structures | Safety | | A | | 36.773315 ° -120.285085 ° | 36.773315 ° -120.285085 ° | | 33 |

| | |
|---|---|
| <p>* Location LS : Land Side WS : Water Side CR : Crown</p> | <p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p> |
|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---|------------------|--------------------------|--------------------|
| San Joaquin River And Chowchilla Canal Bypass Control Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking north at southeast (upstream) side of structure. (San Joaquin River Structure) | |
| richard_t_20100825_128.jpg | |



| | |
|--|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking west at south (downstream) side of structure.(San Joaquin River Structure) | |
| richard_t_20100825_129.jpg | |



| | |
|---|---------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking west at top of structure. (San Joaquin River Structure) | |
| richard_t_20100825_130.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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---|------------------|--------------------------|--------------------|
| San Joaquin River And Chowchilla Canal Bypass Control Structure | | 08/17/2010 08/17/2010 | Richard Willoughby |

| | |
|---|---------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking southeast at west (downstream) side of structure. (Chowchilla Canal Bypass Control Structure) | |
| richard_t_20100825_125.jpg | |



| | |
|---|---------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking north at east (upstream) side of structure. (Chowchilla Canal Bypass Control Structure) | |
| richard_t_20100825_126.jpg | |



| | |
|--|---------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Water Side |
| Category | Structures |
| Item | Photo Documentation |
| Looking north at top of structure. (Chowchilla Canal Bypass Control Structure) | |
| richard_t_20100825_127.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/Rated</p> |
|---|---|---|

Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Lower San Joaquin Levee District**

| Structure |
|---|
| San Joaquin River Structure And Sand Slough Structure |

| | |
|--------------------|--------------------|
| Structure Rating | M |
| Date of Inspection | 8/16/2010 |
| DWR Inspector | Richard Willoughby |
| Accompanied By | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---|------------------|--------------------------|--------------------|
| San Joaquin River Structure And Sand Slough Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-----------------------------------|------------|-----------|--|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 1 | | | Structures | Photo Documentation | | | Inspector Comments: Sand Slough Structure | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 1 |
| 2 | | | Structures | Photo Documentation | | | Inspector Comments: San Joaquin Structure | 37.112567 ° -120.588997 ° | 37.112567 ° -120.588997 ° | Y | 10 |
| 3 | | | Structures | Vegetation & Obstructions | | M | Inspector Comments: Need to control wild growth on inlet side of the structure | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | Y | 8 |
| 4 | | | Structures | Shoaling / Sedimentation | | A | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 9 |
| 5 | | | Structures | Erosion / Bank Caving | | A | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 11 |
| 6 | | | Structures | Revetments | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 14 |
| 7 | | | Structures | Encroachments | | A | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 4 |
| 8 | | | Structures | Culverts: Inlets / Outlets | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 16 |
| 9 | | | Structures | Culverts: Breaks / Holes / Cracks | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 17 |
| 10 | | | Structures | Metal Pipes | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 18 |
| 11 | | | Structures | Trash Racks | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 19 |
| 12 | | | Structures | Flap Gates | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 2 |
| 13 | | | Structures | Sluice/Slide Gates | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 21 |
| 14 | | | Structures | Electric Gate Operators | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 22 |
| 15 | | | Structures | Manual Gate Operators | | U | Inspector Comments: Gates are buried due to settlement in bay. | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | Y | 6 |
| 16 | | | Structures | Concrete Surfaces | | M | Inspector Comments: Small Crack on right Wing Wall | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | Y | 7 |

| | | |
|--|--|--|
| * 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/Rated |
|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | | Structure Length | Inspection Start/End | Inspector |
|---|--|------------------|--------------------------|--------------------|
| San Joaquin River Structure And Sand Slough Structure | | | 08/16/2010 08/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Photo | Issue No. |
|---------|------------|-----|------------|-------------------------------|------------|-----------|----------------|------------------------------|------------------------------|-------|-----------|
| | Start | End | | | | | | Start | End | | |
| 17 | | | Structures | Concrete Tilting / Settlement | | A | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 25 |
| 18 | | | Structures | Concrete Foundations | | A | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 5 |
| 19 | | | Structures | Security Fencing | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 27 |
| 20 | | | Structures | Closure Structures | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 28 |
| 21 | | | Structures | Trash Rakes | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 29 |
| 22 | | | Structures | Other Metallic Items | | N | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 30 |
| 23 | | | Structures | Monolith Joints | | A | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 31 |
| 24 | | | Structures | Safety | | A | | 37.112363 ° -120.589492 ° | 37.112363 ° -120.589492 ° | | 32 |

| | |
|--|--|
| * 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/Rated |
|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---|------------------|--------------------------|--------------------|
| San Joaquin River Structure And Sand Slough Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|--|---------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at east side of structure. (San Joaquin River Structure) | |
| richard_t_20100819_084.jpg | |



| | |
|--|---------------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Photo Documentation |
| Looking at west side of structure. (San Joaquin River Structure) | |
| richard_t_20100819_085.jpg | |



| | |
|---|---------------------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Vegetation & Obstructions |
| Looking west at upstream side of structure. | |
| richard_t_20100826_131.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/Rated</p> |
|---|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lower San Joaquin Levee District

| Structure | Structure Length | Inspection Start/End | Inspector |
|---|------------------|--------------------------|--------------------|
| San Joaquin River Structure And Sand Slough Structure | | 08/16/2010 08/16/2010 | Richard Willoughby |

| | |
|--|-----------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Manual Gate Operators |
| Looking south at east (downstream) side of structure. (Gates are buried due to settlement) (Sand Slough Structure) | |
| richard_t_20100826_132.jpg | |



| | |
|---|-------------------|
| Levee Mile Report Line | 16 |
| Start Levee Mile | |
| End Levee Mile | |
| Location | Crown |
| Category | Structures |
| Item | Concrete Surfaces |
| Looking at east (downstream) side of structure at small crack on right corner.(Sand Slough Structure) | |
| richard_t_20100826_133.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/Rated</p> |
|---|---|---|