

Flood Control Project Maintenance
2008 Structure Summary Report
Overall Unit and Item Ratings

San Joaquin County Flood Control District

Duck Creek Diversion Weir And Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	M
	Revetments	A
	Sluice/Slide Gates	A
	Concrete Surfaces	A
	Concrete Foundations	A

Mormon Slough Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	U
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	A
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	A
	Security Fencing	A
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Flood Control Project Maintenance
2008 Structure Summary Report
Overall Unit and Item Ratings

San Joaquin County Flood Control District (cont.)

Mormon Slough Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	U
	Operation & Maintenance Manual	A
	Plant Building	M
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	A
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	A
	Security Fencing	A
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Mormon Slough Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	U
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	A
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	A
	Security Fencing	M
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Flood Control Project Maintenance

Unit Cover Sheet

2008 Structure Inspection Results

San Joaquin County Flood Control District

Structure	
Duck Creek Diversion Weir And Control Structure	

Date of Inspection	8/11/2008
DWR Inspector	John Williamson
Structure Rating	A

**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure		Inspection Date	Inspector
Duck Creek Diversion Weir And Control Structure		08/11/2008	John Williamson

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Structures & Concrete Lined Channels	Vegetation & Obstructions		M			◦	Y 5
2	Structures & Concrete Lined Channels	Revetments		A			◦	4
3	Structures & Concrete Lined Channels	Sluice/Slide Gates		A			◦	3
4	Structures & Concrete Lined Channels	Concrete Surfaces		A			◦	Y 2
5	Structures & Concrete Lined Channels	Concrete Foundations		A			◦	Y 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 C : Corrected
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**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure		Inspection Date	Inspector
Duck Creek Diversion Weir And Control Structure		08/11/2008	John Williamson

Report Line	1
Location	
Category	Structures & Concrete Lined Channels
Item	Vegetation & Obstructions
<p>view looking back towards weir vegetation is thick on both sides of structure does not appear to obstruct flow recommend to remove vegetation either manually or with herbicides</p>	



Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Surfaces
<p>weir from Corps of Engineers gauging house 37.93827 -120.99013</p>	



Report Line	4
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Surfaces
<p>View of intake side of the control structure and screw gate</p>	



<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</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure		Inspection Date	Inspector
Duck Creek Diversion Weir And Control Structure		08/11/2008	John Williamson

Report Line	5
Location	
Category	Structures & Concrete Lined Channels
Item	Concrete Foundations
Weir from Corps of Engineers gauging house 37.93827 -120.99013	



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

Unit Cover Sheet

2008 Pumping Plant Inspection Results

San Joaquin County Flood Control District

Pumping Plant	
Mormon Slough Pumping Plant No. 1	

Date of Inspection	12/17/2008
DWR Inspector	David Pesavento
Pumping Plant Rating	A

Flood Control Project Maintenance
Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 1	12/17/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Operating Log		U	There is not currently an operating log located in the office or at the pump station. The county is working to get copies in place by next year.	°		1
2	Pump Stations	Operation & Maintenance Manual		A	The county has copies of the USACE O&M manuals in office. Personnel working on the station have access to these copies.	°		2
3	Pump Stations	Plant Building		A	The building appears in adequate condition and to be structurally sound.	°	Y	3
4	Pump Stations	Communications		A	County workers carry or have access to county radios and cell phones when working on the station.	°		4
5	Pump Stations	Safety		A	The station has several exterior lights missing. No fuel is stored on-site. No significant risks to personnel were observed.	°	Y	5
6	Pump Stations	Cranes		N	No crane is located at this station.	°		6
7	Pump Stations	Pumps		A	The pumps appear well maintained and functional. Oil levels were all above minimum and oil reservoirs were full. Pumps were not turned during the inspection.	°	Y	7
8	Pump Stations	Power		A	The station does not have on-site generators, but the county has several generators at its yard and contracts with rental companies in the area. The backup power plan appears capable of restoring power to the station in adequate time.	°	Y	8
9	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Equipment in the station was not tested but appears to be adequately maintained and capable of performing.	°		9
10	Pump Stations	Pump Control Systems		A	The pump control systems appear to be adequately maintained and capable of performing.	°	Y	10
11	Pump Stations	Sumps/Wet Well		A	The station sump does not have a large accumulation of silt or garbage and appears well maintained.	°	Y	11
12	Pump Stations	Trash Racks		A	Trash racks appear in good condition and are clear of debris.	°	Y	12
13	Pump Stations	Trash Rakes		N	There are no automatic trash rakes at this station. Trash racks are manually cleared by County workers.	°		13
14	Pump Stations	Sluice / Slide Gates		A	The slide gate was not closely inspected or opened or closed, but appears to be in acceptable condition.	°	Y	14
15	Pump Stations	Electric Gate Operators		N	There are no electronic gate operators at this station.	°		15
16	Pump Stations	Manual Gate Operators		A	The gate was not opened or closed during the inspection, but the screw and operator appear in acceptable condition.	°	Y	16

*** Location**

LS : Land Side
 WS : Water Side
 CR : Crown

**** Rating**

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

**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure		Inspection Date	Inspector
Mormon Slough Pumping Plant No. 1		12/17/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
17	Pump Stations	Other Metallic Items		A	Metal components of the station appear to be maintained acceptably. Minor corrosion was seen in some places on the handrails but should not present a hazard. New metal steps have been installed on the waterside of the levee.		°	17
18	Pump Stations	Flap Gates		A	The flap gates close completely and are free of debris. Some silt is located at the gates but should not affect operations of the gates.		°	18
19	Pump Stations	Closure Structures		A	Siphon breakers are located at the crown of the levee and appear to be in adequate condition.		°	19
20	Pump Stations	Security Fencing		A	Security fence appeared to be in acceptable condition and capable of keeping people out of the station area.		°	20
21	Pump Stations	Intake and Discharge Pipes		A	Intake and discharge pipes appeared to be in adequate condition.		°	21
22	Pump Stations	Pressurized Pipe		A	No evidence of erosion due to leakage from the pressure pipes was observed.		°	22

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable PO : Partially Obstructing C : Corrected M : Minimally Acceptable CO : Completely Obstructing U : Unacceptable N : Not Inspected</p>
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**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 1	12/17/2008	David Pesavento

Report Line	3
Location	
Category	Pump Stations
Item	Plant Building
View of the station diagonally from the basin.	



Report Line	5
Location	
Category	Pump Stations
Item	Safety
View of one of the exterior lights with the light missing on the basin side of the station.	



Report Line	7
Location	
Category	Pump Stations
Item	Pumps
View of the two pumps inside the station building. Station switching gear and stilling well can be seen in the background. The clipboard next to the electric meter is a log for electrical use at the station.	



<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</p>	<p>C : Corrected</p>
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Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 1	12/17/2008	David Pesavento

Report Line	8
Location	
Category	Pump Stations
Item	Power
View of power pole and transformer that supplies the plan with power.	



Report Line	10
Location	
Category	Pump Stations
Item	Pump Control Systems
View of stilling well used to control pump operations.	



Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
View of right portion of sump.	



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 1	12/17/2008	David Pesavento

Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
View of left portion of sump. The opening on the left portion of the photo is the low flow/gravity channel.	



Report Line	12
Location	
Category	Pump Stations
Item	Trash Racks
View of pump station from basin side showing the trash rack.	



Report Line	14
Location	
Category	Pump Stations
Item	Sluice / Slide Gates
View looking at slide gate on water side of the levee.	



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 1	12/17/2008	David Pesavento

Report Line	16
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of top of slide gate and manual operator.



Report Line	18
Location	
Category	Pump Stations
Item	Flap Gates

View of flap gates for the pressure pipes (left) and gravity channel (right). Flap gates close completely and the silt does not affect their operation.



Report Line	19
Location	
Category	Pump Stations
Item	Closure Structures

View of risers around siphon breakers at the crown of the levee.



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Unit Cover Sheet

2008 Pumping Plant Inspection Results

San Joaquin County Flood Control District

Pumping Plant	
Mormon Slough Pumping Plant No. 2	

Date of Inspection	12/17/2008
DWR Inspector	David Pesavento
Pumping Plant Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure		Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2		12/17/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Operating Log		U	There is not currently an operating log located in the office or at the pump station. The county is working to get copies in place by next year.	°		1
2	Pump Stations	Operation & Maintenance Manual		A	The county has copies of the USACE O&M manuals in office. Personnel working on the station have access to these copies.	°		2
3	Pump Stations	Plant Building		M	Screen on ventilation fan vent in roof of building bent back. Sidewalk is cracked in front of building. Evidence of erosion and soil movement under sidewalk in front of building can be seen.	°	Y	3
4	Pump Stations	Communications		A	County workers carry or have access to county radios and cell phones when working on the station.	°		4
5	Pump Stations	Safety		A	The station has several exterior lights missing. No fuel is stored on-site. No significant risks to personnel were observed.	°		5
6	Pump Stations	Cranes		N	No crane is located at this station.	°		6
7	Pump Stations	Pumps		A	The pumps appear well maintained and functional. Oil levels were all above minimum and oil reservoirs were full. Pumps were not turned during the inspection.	°	Y	7
8	Pump Stations	Power		A	The station does not have on-site generators, but the county has several generators at its yard and contracts with rental companies in the area. The backup power plan appears capable of restoring power to the station in adequate time.	°	Y	8
9	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Equipment in the station was not tested but appears to be adequately maintained and capable of performing.	°		9
10	Pump Stations	Pump Control Systems		A	The pump control systems appear to be adequately maintained and capable of performing.	°	Y	10
11	Pump Stations	Sumps/Wet Well		A	The station sump does not have a large accumulation of silt or garbage and appears well maintained.	°	Y	11
12	Pump Stations	Trash Racks		A	Trash rack at the station appears to be in good condition and clear of debris. There is trash at one of the inlet pipes to the basin that may impede flow into the basin but should not affect the pump station's operation.	°	Y	12
13	Pump Stations	Trash Rakes		N	There are no automatic trash rakes on this station. Trash racks are manually cleared by County workers.	°		13
14	Pump Stations	Sluice / Slide Gates		A	The slide gate was not closely inspected or opened or closed, but appears to be in acceptable condition.	°	Y	14
15	Pump Stations	Electric Gate Operators		N	There are no electronic gate operators at this station.	°		15

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure		Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2		12/17/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
16	Pump Stations	Manual Gate Operators		A	The gate was not opened or closed during the inspection, but the screw and operator appear in acceptable condition.		°	Y 16
17	Pump Stations	Other Metallic Items		A	Metal components of the station appear to be maintained acceptably. The joints on the handrails on the station have some corrosion. Does not appear to affect safety or operation of pump. New metal steps have been installed to the station.		°	17
18	Pump Stations	Flap Gates		A	The flap gates close completely and are free of debris. Some silt is located at the gates but should not affect operations of the gates.		°	Y 18
19	Pump Stations	Closure Structures		A	Siphon breakers are located at the crown of the levee and appear to be in adequate condition.		°	Y 19
20	Pump Stations	Security Fencing		A	Barbed wire above fence at entry gate is not intact. The fence around the remainder of the station and basin appears to be adequate.		°	Y 20
21	Pump Stations	Intake and Discharge Pipes		A	Intake and discharge pipes appeared to be in adequate condition.		°	21
22	Pump Stations	Pressurized Pipe		A	No evidence of erosion due to leakage from the pressure pipes was observed.		°	22

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

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2	12/17/2008	David Pesavento

Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of sidewalk in front of building. Note the crack in the sidewalk before the door.



Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of the cracking and settlement of the sidewalk in sidewalk in front of pump station building.



Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

Additional view of sidewalk. Note the settlement in the sidewalk.



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2	12/17/2008	David Pesavento

Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of station building from the levee. Note the vent in the middle of the roof.



Report Line	7
Location	
Category	Pump Stations
Item	Pumps

View of the two pumps inside the pump station building.



Report Line	8
Location	
Category	Pump Stations
Item	Power

View of power pole and transformer supplying power to the station.



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2	12/17/2008	David Pesavento

Report Line	10
Location	
Category	Pump Stations
Item	Pump Control Systems
View of electrical switching gear and pump controls. The clipboard on the panel is for logging electrical use.	



Report Line	10
Location	
Category	Pump Stations
Item	Pump Control Systems
View of stilling well used to control pump operations.	



Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
View of left portion of sump. The opening on the left portion of the photo is the low flow/gravity channel.	



<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</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2	12/17/2008	David Pesavento

Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
View of right portion of sump. The pipe in the foreground is the stilling well.	



Report Line	12
Location	
Category	Pump Stations
Item	Trash Racks
View of station from basin. Note the trash racks along this side of the station.	



Report Line	12
Location	
Category	Pump Stations
Item	Trash Racks
View of one of the inlet pipes to the station with debris inside.	



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2	12/17/2008	David Pesavento

Report Line	14
Location	
Category	Pump Stations
Item	Sluice / Slide Gates

View looking at slide gate on water side of the levee.



Report Line	16
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of top of slide gate and manual operator.



Report Line	18
Location	
Category	Pump Stations
Item	Flap Gates

View of flap gates for the pressure pipes (left) and gravity channel (right). Flap gates close completely and the silt does not affect their operation.



<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</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 2	12/17/2008	David Pesavento

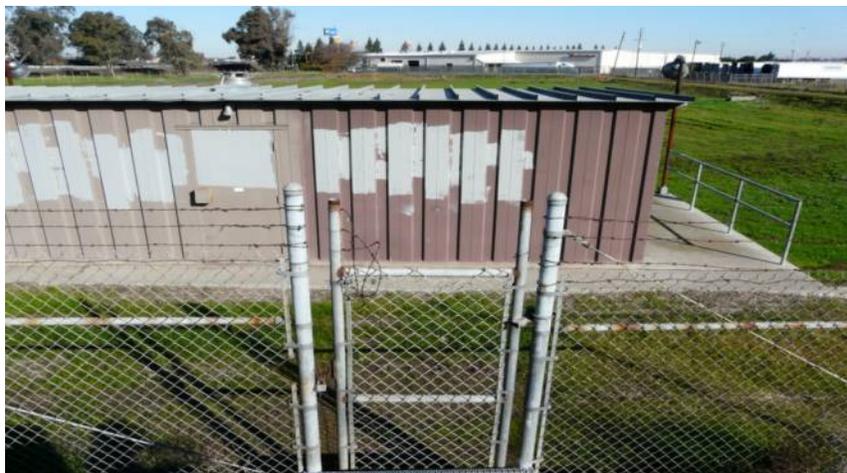
Report Line	19
Location	
Category	Pump Stations
Item	Closure Structures

View of one of the siphon breakers at the crown of the levee.



Report Line	20
Location	
Category	Pump Stations
Item	Security Fencing

View of the barbed wire on the gate to the station. The wire is not connected to both sides and does not currently function as a deterrent.



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

Unit Cover Sheet

2008 Pumping Plant Inspection Results

San Joaquin County Flood Control District

Pumping Plant	
Mormon Slough Pumping Plant No. 3	

Date of Inspection	12/17/2008
DWR Inspector	David Pesavento
Pumping Plant Rating	A

Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 3	12/17/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Operating Log		U	There is not currently an operating log located in the office or at the pump station. The county is working to get copies in place by next year.	°		1
2	Pump Stations	Operation & Maintenance Manual		A	The county has copies of the USACE O&M manuals in office. Personnel working on the station have access to these copies.	°		2
3	Pump Stations	Plant Building		A	There is some cracking in sidewalk in front of building. The cracking does not appear to be a significant threat to the integrity of the plant. The remainder of the plant appears to be in good condition and able to perform acceptably.	°	Y	3
4	Pump Stations	Communications		A	County workers carry or have access to county radios and cell phones when working on the station.	°		4
5	Pump Stations	Safety		A	The station has several interior and exterior lights missing. No fuel is stored on-site. Lighting panel breaker was found off. No significant risks to personnel were observed.	°	Y	5
6	Pump Stations	Cranes		N	No crane is located at this station.	°		6
7	Pump Stations	Pumps		A	The pumps appear well maintained and functional. Oil levels were all above minimum and oil reservoirs were full. Pumps were not turned during the inspection.	°	Y	7
8	Pump Stations	Power		A	The station does not have on-site generators, but the county has several generators at its yard and contracts with rental companies in the area. The backup power plan appears capable of restoring power to the station in adequate time.	°	Y	8
9	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Equipment in the station was not tested but appears to be adequately maintained and capable of performing.	°		9
10	Pump Stations	Pump Control Systems		A	The pump control systems appear to be adequately maintained and capable of performing.	°	Y	10
11	Pump Stations	Sumps/Wet Well		A	The station sump does not have a large accumulation of silt or garbage and appears well maintained.	°	Y	11
12	Pump Stations	Trash Racks		A	Trash racks appear in good condition and are clear of debris.	°	Y	12
13	Pump Stations	Trash Rakes		N	There are no automatic trash rakes on this plan. Trash racks are manually cleared by County workers.	°		13
14	Pump Stations	Sluice / Slide Gates		A	The slide gate was not closely inspected or opened or closed, but appears to be in acceptable condition.	°	Y	14
15	Pump Stations	Electric Gate Operators		N	There are no electronic gate operators at this station.	°		15

* Location

LS : Land Side
 WS : Water Side
 CR : Crown

** Rating

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

**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure		Inspection Date	Inspector
Mormon Slough Pumping Plant No. 3		12/17/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
16	Pump Stations	Manual Gate Operators		A	The gate was not opened or closed during the inspection, but the screw and operator appear in acceptable condition.		°	Y 16
17	Pump Stations	Other Metallic Items		A	Metal components of the station appear to be maintained acceptably. Joints on the handrails have some corrosion. Handrail on basin side have been damaged. Do not appear to affect safety or operation. New metal steps have been installed to the station.		°	17
18	Pump Stations	Flap Gates		A	The flap gates close completely and are free of debris. Some silt is located at the gates but should not affect operations of the gates.		°	Y 18
19	Pump Stations	Closure Structures		A	Siphon breakers are located at the crown of the levee and appear to be in adequate condition.		°	Y 19
20	Pump Stations	Security Fencing		M	Hole in fence near entrance from levee. The remainder of the security fence appeared to be in acceptable condition and capable of keeping people out of the station area.		°	Y 20
21	Pump Stations	Intake and Discharge Pipes		A	Intake and discharge pipes appeared to be in adequate condition.		°	21
22	Pump Stations	Pressurized Pipe		A	No evidence of erosion due to leakage from the pressure pipes was observed.		°	22

<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 C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 3	12/17/2008	David Pesavento

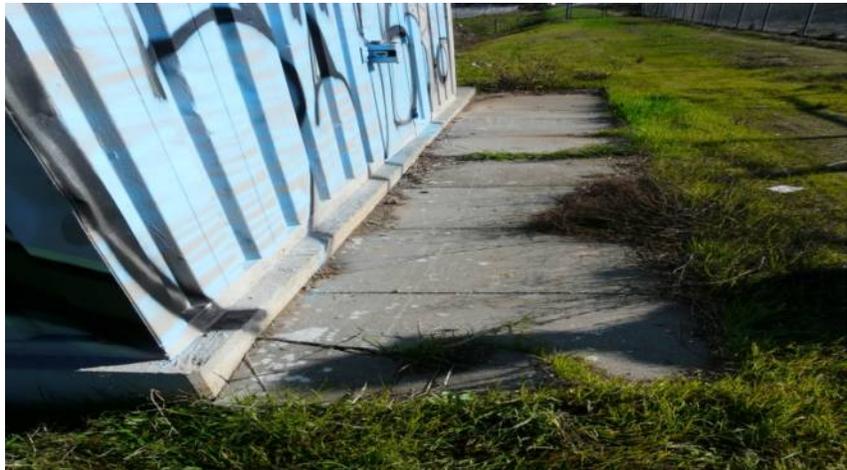
Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of the station building from the levee.



Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

View of the sidewalk in front of station. Note the minor cracking in the sidewalk and some subsidence in the near corner of the sidewalk.



Report Line	3
Location	
Category	Pump Stations
Item	Plant Building

Additional view of station building from the levee side.



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 3	12/17/2008	David Pesavento

Report Line	5
Location	
Category	Pump Stations
Item	Safety
Side view of station. Note the missing exterior lights. Light poles have been cut off and capped.	



Report Line	7
Location	
Category	Pump Stations
Item	Pumps
View of the pumps inside the station building.	



Report Line	8
Location	
Category	Pump Stations
Item	Power
View of electrical transformer located on-site that provides power to the pump station.	



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 3	12/17/2008	David Pesavento

Report Line	10
Location	
Category	Pump Stations
Item	Pump Control Systems
View of stilling well used to control pump operations.	



Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
View of right portion of sump.	



Report Line	11
Location	
Category	Pump Stations
Item	Sumps/Wet Well
View of left portion of sump. The opening on the left portion of the photo is the low flow/gravity channel.	



<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</p>	<p>C : Corrected</p>
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**Flood Control Project Maintenance
Inspection Report - Structure 2008**

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 3	12/17/2008	David Pesavento

Report Line	12
Location	
Category	Pump Stations
Item	Trash Racks
Diagonal view of station from basin side. Note the trash racks on the station.	



Report Line	14
Location	
Category	Pump Stations
Item	Sluice / Slide Gates
View looking at slide gate on water side of the levee.	



Report Line	16
Location	
Category	Pump Stations
Item	Manual Gate Operators
View of top of slide gate and manual operator.	



<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</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance

Inspection Report - Structure 2008

San Joaquin County Flood Control District

Structure	Inspection Date	Inspector
Mormon Slough Pumping Plant No. 3	12/17/2008	David Pesavento

Report Line	18
Location	
Category	Pump Stations
Item	Flap Gates

View of flap gates for the pressure pipes (left) and gravity channel (right). Flap gates close completely and the silt does not affect their operation.



Report Line	19
Location	
Category	Pump Stations
Item	Closure Structures

View of risers around siphon breakers at the crown of the levee.



Report Line	20
Location	
Category	Pump Stations
Item	Security Fencing

View of fence next to gate. A hole has been created in the fence allowing people to access the station area.



<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</p>	<p>C : Corrected</p>
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