

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

Reclamation District No. 2063

Reclamation District No. 2063 Pumping Plant (Nelson Drain)

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	U
	Operation & Maintenance Manual	U
	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	U
Intake and Discharge Pipes	A	
Pressurized Pipe	A	

Unit Cover Sheet
2008 Pumping Plant Inspection Results

Reclamation District No. 2063

Pumping Plant
Reclamation District No. 2063 Pumping Plant (Nelson Drain)

Date of Inspection	11/21/2008
DWR Inspector	David Pesavento
Pumping Plant Rating	A

Flood Control Project Maintenance
Inspection Report - Structure 2008

Reclamation District No. 2063

Structure				Inspection Date	Inspector
Reclamation District No. 2063 Pumping Plant (Nelson Drain)				11/21/2008	David Pesavento

Roll Line	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
1	Pump Stations	Operating Log		U	No log was available at the time of the inspection.			1
2	Pump Stations	Operation & Maintenance Manual		U	No manual was available at the time of the inspection.			2
3	Pump Stations	Plant Building		A	Building appears sound. Screens have been recently added to help keep mice and rats away from pumps.		Y	3
4	Pump Stations	Communications		A	Operators have cell phones with them on-site.			4
5	Pump Stations	Safety		A	No safety hazards were observed. Operators appear to be able to function their duties without risk of harm.			5
6	Pump Stations	Cranes		N	There is no crane at this plant.			17
7	Pump Stations	Pumps		A	Operator turned on several pumps, not enough water was in the sump to pump but pumps appear operational.		Y	16
8	Pump Stations	Power		A	Power source to station is considered reliable. No generators are located at the station.			18
9	Pump Stations	Motors, Engines, Fans & Gear Reducers		N	There are no engines or other motes/fans at this station.			19
10	Pump Stations	Pump Control Systems		A	Manual control systems are installed at this station and appear to be in acceptable condition. Several pumps were briefly turned on during the inspection.			20
11	Pump Stations	Sumps/Wet Well		A	Minor vegetation around intake pipes should not adversely affect performance of pump station.			7
12	Pump Stations	Trash Racks		A	Trash rack appears in acceptable condition and capable of preventing large debris from entering sump.		Y	9
13	Pump Stations	Trash Rakes		N	Rack is manually cleared.			8
14	Pump Stations	Sluice / Slide Gates		N	This station does not have any sluice or slide gates associated with the pumps.			10
15	Pump Stations	Electric Gate Operators		N	There are no gates at this station and therefore are no gate operators.			11
16	Pump Stations	Manual Gate Operators		N	There are no gates at this station and therefore are no gate operators.			12
17	Pump Stations	Other Metallic Items		A	All metallic items in station appear to be able to perform adequately. Minor debris located around some equipment consistent with normal exposure.			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**

Reclamation District No. 2063

Structure		Inspection Date	Inspector
Reclamation District No. 2063 Pumping Plant (Nelson Drain)		11/21/2008	David Pesavento

RptLine	Category	Item	Location *	Rating **	Comment	GPS	Photo	Issue
18	Pump Stations	Flap Gates		A	No flap gates present, but siphon breakers in place to prevent backflow.		° °	Y 13
19	Pump Stations	Closure Structures		N	There are no gates or closure structures at this station.		° °	14
20	Pump Stations	Security Fencing		U	The fence around the plant is short and does not prevent entry. Construct a fence capable of restricting access to pump structures.		° °	6
21	Pump Stations	Intake and Discharge Pipes		A	Minor vegetation located at intake pipe locations but should not adversely affect operation of station.		° °	Y 21
22	Pump Stations	Pressurized Pipe		A	Outlet pipe previously noted as broken has been replaced and levee has been backfilled.		° °	22

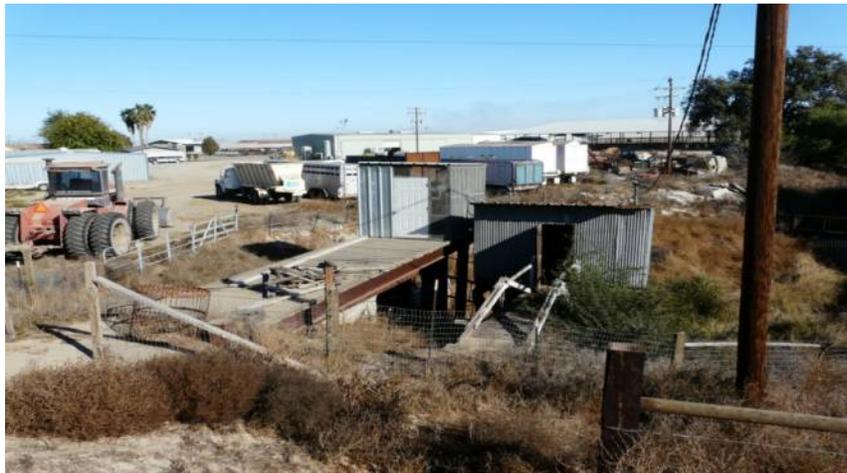
<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected C : Corrected</p>
---	--

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

Reclamation District No. 2063

Structure	Inspection Date	Inspector
Reclamation District No. 2063 Pumping Plant (Nelson Drain)	11/21/2008	David Pesavento

Report Line	3
Location	
Category	Pump Stations
Item	Plant Building
View of pump plant from crown of levee	



Report Line	7
Location	
Category	Pump Stations
Item	Pumps
Photo of one of the smaller pumps	



Report Line	7
Location	
Category	Pump Stations
Item	Pumps
Photo of one of the smaller pumps	



<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>
---	---	---	----------------------

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

Reclamation District No. 2063

Structure	Inspection Date	Inspector
Reclamation District No. 2063 Pumping Plant (Nelson Drain)	11/21/2008	David Pesavento

Report Line	7
Location	
Category	Pump Stations
Item	Pumps

Photo of one of the smaller pumps



Report Line	12
Location	
Category	Pump Stations
Item	Trash Racks

View of trash rack looking upstream from pumps. Screen appears adequate to prevent debris from clogging pipe intakes and is manually cleared from catwalk above screen.



Report Line	18
Location	
Category	Pump Stations
Item	Flap Gates

View of several of the risers on siphon breakers toward crown of levee. One siphon breaker's riser has been broken off of the pipe, but should function acceptably.



<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>
---	---	---	----------------------

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

Reclamation District No. 2063

Structure	Inspection Date	Inspector
Reclamation District No. 2063 Pumping Plant (Nelson Drain)	11/21/2008	David Pesavento

Report Line	21
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
<p>Pump intakes appear in acceptable condition and able to perform in a flood.</p>	



Report Line	21
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
<p>View of discharge pipes into San Joaquin River. No flap gates are present but siphon breakers are present at crown of levee.</p>	



Report Line	21
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
<p>View of one of the intake pipes from levee. Minor vegetation present but should not adversely affect operation of station.</p>	



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

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

Reclamation District No. 2063

Structure	Inspection Date	Inspector
Reclamation District No. 2063 Pumping Plant (Nelson Drain)	11/21/2008	David Pesavento

Report Line	21
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes

View of another one of the intake pipes from levee. Minor vegetation present but should not adversely affect operation of station. Note additional debris screen around this intake.



<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>
---	--