

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

Sacramento County

American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	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	N
	Security Fencing	A
	Intake and Discharge Pipes	A

American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	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	N
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2014 Structure Summary Report
Overall Unit and Item Ratings

Sacramento County (cont.)

Mayhew Drain Closure 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	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	M
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	U

Flood Control Project Maintenance
Unit Cover Sheet
2014 Pumping Plant Inspection Results

Sacramento County

Pumping Plant
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05

Pumping Plant Rating	A
Date of Inspection	07/23/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Elizabeth Carrington County of Sacramento - DWR

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Operating Log		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_1				
Action/Comments					
Inspector Comments: Maintenance log is present on site at the pump station and is being used and updated.					

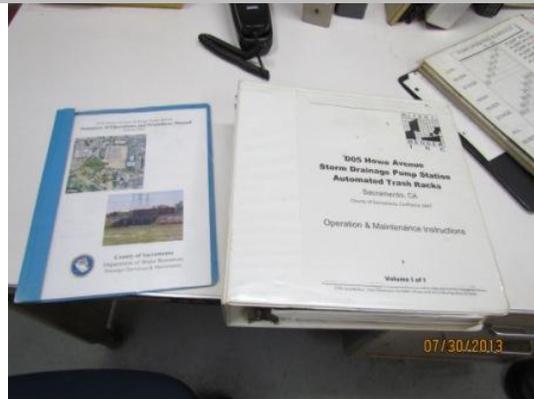
Photo 1 of 1 : ST_2014_NA0050_13_1_20140729_00016.jpg



Photo shows desk with maintenance log and O & M manuals on site.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Operation & Maintenance Manual		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_2				
Action/Comments					
Inspector Comments: O & M manuals are located on site. Stored in same location as Operating Log.					

Photo 1 of 1 : ST_2014_NA0050_13_2_20140630_00002.jpg



View of the O&M manual.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Plant Building		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in sound structural condition.					

Photo 1 of 2 : ST_2014_NA0050_13_3_20140729_00017.jpg



View of the pump building.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	3 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in sound structural condition.					

Photo 2 of 2 : ST_2014_NA0050_13_3_20140729_00030.jpg



Another view of the pump building.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_4				
Action/Comments					
Inspector Comments: Cellular service is available to pump station personnel.					

Photo 1 of 1 : ST_2014_NA0050_13_4_20140630_00004.jpg



View of the landline telephone on site

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_5				
Action/Comments					
Inspector Comments: No apparent safety hazards observed.					

No Photos

<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>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Cranes		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_6				
Action/Comments					
Inspector Comments: Cranes appear to be in operational condition.					

Photo 1 of 1 : ST_2014_NA0050_13_6_20140729_00018.jpg



View of the cranes inside the building.

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Pumps		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and in proper working order.					

Photo 1 of 1 : ST_2014_NA0050_13_7_20140630_00006.jpg



View of the pumps.

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Power		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_8				
Action/Comments					
Inspector Comments: Backup generators are on site.					

Photo 1 of 1 : ST_2014_NA0050_13_8_20140729_00019.jpg



Photo shows security fencing and power source.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_10				
Action/Comments					
Inspector Comments: All items appear to be operational and properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_11				
Action/Comments					
Inspector Comments: These items appear to be operational and properly maintained.					

Photo 1 of 1 : ST_2014_NA0050_13_11_20140729_00020.jpg



View of the pump control panel.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_12				
Action/Comments					
Inspector Comments: Sumps and wet wells are free of sediment and debris.					

Photo 1 of 2 : ST_2014_NA0050_13_12_20140729_00021.jpg



View of the well with adjustable pump height.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_12				
Action/Comments					
Inspector Comments: Sumps and wet wells are free of sediment and debris.					

Photo 2 of 2 : ST_2014_NA0050_13_12_20140729_00022.jpg



Typical view of the wet well.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_13				
Action/Comments					
Inspector Comments: Trash racks are in place, properly maintained and clear of any debris.					

Photo 1 of 2 : ST_2014_NA0050_13_13_20140729_00023.jpg



View of the trash racks protecting the wells.

LM Start	0.00	Rating **	A	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0050_13_13_20140729_00024.jpg



View of the trash racks and rakes.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_14				
Action/Comments					
Inspector Comments: Trash rake appears to be properly maintained					

Photo 1 of 2 : ST_2014_NA0050_13_14_20140630_00011.jpg



Extended photo of trash rakes.

LM Start	0.00	Rating **	A	Issue No.	14 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0050_13_14_20140630_00012.jpg



Close up photo of trash rake, note cleanliness and free of debris.

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Sluice / Slide Gates		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_15				
Action/Comments					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_16				
Action/Comments					
Inspector Comments: Electric gate operators appear to be in proper operating condition.					

Photo 1 of 1 : ST_2014_NA0050_13_16_20140729_00025.jpg



View of the gate operators

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Manual Gate Operators		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition.					

Photo 1 of 1 : ST_2014_NA0050_13_17_20140729_00026.jpg



View of the manual gate operator.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Other Metallic Items		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_18				
Action/Comments					
Inspector Comments: Exposed metal parts are painted and protected from corrosion.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates appear to be properly maintained and operational.					

Photo 1 of 2 : ST_2014_NA0050_13_19_20140729_00027.jpg



View of the flap gates on the waterside.

LM Start	0.00	Rating **	A	Issue No.	19 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0050_13_19_20140729_00028.jpg



View of the low flow flap gate.

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Closure Structures		38.584600 °	38.584600 °	
			-121.421417 °	-121.421417 °	
DWR ID	DWR_NA0050_13_t_2012_20				
Action/Comments					
Inspector Comments: Separate closure structures other than sluice					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 1 Howe Avenue Storm Drain D - 05		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_21				
Action/Comments					
Inspector Comments: Area is enclosed by adequate security fencing.					

Photo 1 of 2 : ST_2014_NA0050_13_21_20140630_00015.jpg



View of the security fencing around the pumping facility.

LM Start	0.00	Rating **	A	Issue No.	21 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2014_NA0050_13_21_20140729_00029.jpg



View of the security fencing.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			38.584600 °	38.584600 °
				-121.421417 °	-121.421417 °
DWR ID	DWR_NA0050_13_t_2012_22				
Action/Comments					
Inspector Comments: Pipes do not appear to have breaks, corrosion,					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2014 Pumping Plant Inspection Results

Sacramento County

Pumping Plant
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43

Pumping Plant Rating	A
Date of Inspection	07/23/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Elizabeth Carrington County of Sacramento - DWR

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Operating Log		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_1				
Action/Comments					
Inspector Comments: Operating log is kept on site and is being used and updated.					

Photo 1 of 1 : ST_2014_NA0050_14_1_20140630_00001.jpg

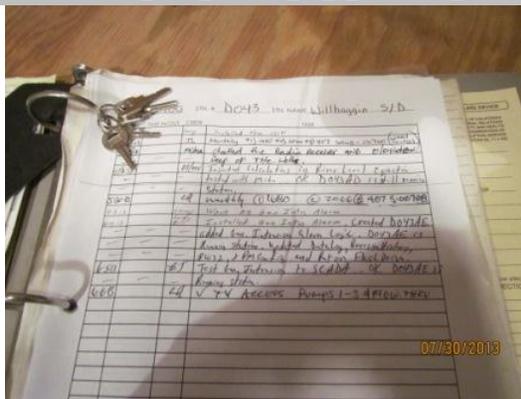


Photo shows operating log on site.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Operation & Maintenance Manual		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_2				
Action/Comments					
Inspector Comments: O & M Manual is kept on site, posted instructions are also written on dry erase board.					

Photo 1 of 1 : ST_2014_NA0050_14_2_20140630_00002.jpg

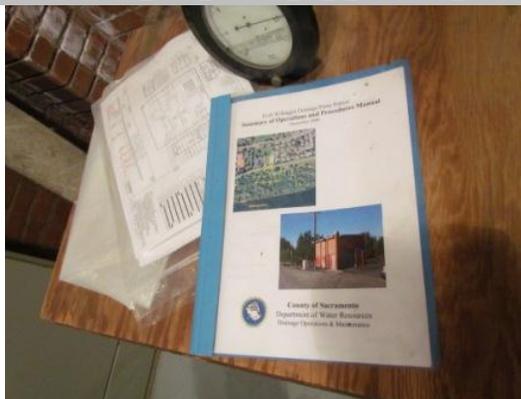


Photo shows O&M manual on site.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Plant Building		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_3				
Action/Comments					
Inspector Comments: Building appears to be in sound structural condition.					

Photo 1 of 1 : ST_2014_NA0050_14_3_20140729_00013.jpg



View of the pumping plant building.

<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>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Communications		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_4				
Action/Comments					
Inspector Comments: Telephone on site and cellular service is available to the operators.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Safety		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_5				
Action/Comments					
Inspector Comments: No safety hazards are visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Cranes		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_6				
Action/Comments					
Inspector Comments: Crane appears to be in good working condition.					

Photo 1 of 1 : ST_2014_NA0050_14_6_20140729_00011.jpg



View of the crane above the pumps inside the building.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Pumps		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and operational.					

Photo 1 of 1 : ST_2014_NA0050_14_7_20140729_00012.jpg



View of the pump motors.

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Power		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_8				
Action/Comments					
Inspector Comments: No visible deficiencies, backup generator is on site.					

Photo 1 of 1 : ST_2014_NA0050_14_8_20140729_00015.jpg



View of the backup generator.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Motors, Engines, Fans & Gear Reducers		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_10				
Action/Comments					
Inspector Comments: Items appear to be well maintained and operational.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Pump Control Systems		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_11				
Action/Comments					
Inspector Comments: Controls appear well maintained and free of corrosion.					

Photo 1 of 1 : ST_2014_NA0050_14_11_20140729_00016.jpg



View of the pump controls panel.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Sumps/Wet Well		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_12				
Action/Comments					
Inspector Comments: Wet well is clear of debris.					

Photo 1 of 1 : ST_2014_NA0050_14_12_20140729_00017.jpg



View of the wet well.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Trash Racks		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_13				
Action/Comments					
Inspector Comments: Trash rack is in place and free of debris.					

Photo 1 of 1 : ST_2014_NA0050_14_13_20140729_00018.jpg



Photo shows properly maintained trash rack free of debris.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_14				
Action/Comments					
Inspector Comments: There is no mechanical trash rake at this facility.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Sluice / Slide Gates		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_15				
Action/Comments					
Inspector Comments: Slide gates appear to be properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_16				
Action/Comments					
Inspector Comments: Electronic gate operators appear to be properly maintained and in proper working order.					

Photo 1 of 1 : ST_2014_NA0050_14_16_20140729_00019.jpg



View of the gate controls.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Manual Gate Operators		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate controls appear to be properly maintained and look to be operational.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Other Metallic Items		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_18				
Action/Comments					
Inspector Comments: Other metallic items are painted to protect from corrosion.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.584904 °	38.584904 °	
			-121.421534 °	-121.421534 °	
DWR ID	DWR_NA0050_14_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates are visible and appear to be in working order, there was no flow to test for leakage.					

Photo 1 of 1 : ST_2014_NA0050_14_19_20140729_00020.jpg



View of the flap gates.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
American River Pumping Plant No. 2 Willhaggin Storm Drain D - 43		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			38.584904 °	38.584904 °
				-121.421534 °	-121.421534 °
DWR ID	DWR_NA0050_14_t_2012_20				
Action/Comments					
Inspector Comments: Slide/Sluice gates act as closure structures. They are not visible for inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.584904 °	38.584904 °
				-121.421534 °	-121.421534 °
DWR ID	DWR_NA0050_14_t_2012_21				
Action/Comments					
Inspector Comments: Security fencing encloses standby generator. Building is securely locked.					

Photo 1 of 1 : ST_2014_NA0050_14_21_20140729_00021.jpg



View of the security fencing.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			38.584904 °	38.584904 °
				-121.421534 °	-121.421534 °
DWR ID	DWR_NA0050_14_t_2012_22				
Action/Comments					
Inspector Comments: No visible defects in pipes.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2014 Structure Inspection Results

Sacramento County

Structure
Mayhew Drain Closure Structure

Structure Rating	M
Date of Inspection	07/23/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Elizabeth Carrington County of Sacramento

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation & Obstructions		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_2				
Action/Comments					
Inspector Comments: No obstructive vegetation has been observed at the time of inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Shoaling / Sedimentation		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation observed.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_4				
Action/Comments					
Inspector Comments: No erosion or bank instability observed.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Revetments		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_5				
Action/Comments					
Inspector Comments: The channel is concrete lined and there is no need for revetment at this time.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_6				
Action/Comments					
Inspector Comments: No encroachments present at the time.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Inlets / Outlets		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_7				
Action/Comments					
Inspector Comments: Structure inlet and outlet are clear of debris and appear to function as intended.					

Photo 1 of 1 : ST_2014_NA0050_220_7_20140805_00001.jpg



View of the structure inlet.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Breaks / Holes / Cracks		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_8				
Action/Comments					
Inspector Comments: No significant cracking or breaks observed.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Metal Pipes		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_9				
Action/Comments					
Inspector Comments: All metal pipes appear to be in good working condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Racks		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_10				
Action/Comments					
Inspector Comments: There are no trash racks installed at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_11				
Action/Comments					
Inspector Comments: Two of the four flap gates were propped open by debris.					

Photo 1 of 3 : ST_2014_NA0050_220_11_20140805_00002.jpg



View of the flap gates. Counting from right to left, first and third flap gates were partially open due to lodged debris.

LM Start	0.00	Rating **	M	Issue No.	11 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2014_NA0050_220_11_20140805_00003.jpg



View of the third flap gate partially propped open by debris.

LM Start	0.00	Rating **	M	Issue No.	11 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2014_NA0050_220_11_20140805_00004.jpg



View of the first flap gate partially propped open by debris.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Sluice/Slide Gates		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_12				
Action/Comments					
Inspector Comments: Slide gates appear to be in proper working order.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_13				
Action/Comments					
Inspector Comments: Electric gate operators appear to be in working condition with manual controls installed.					

Photo 1 of 1 : ST_2014_NA0050_220_13_20140805_00005.jpg



View of the gate mechanism controls.

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Manual Gate Operators		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_14				
Action/Comments					
Inspector Comments: Gate operation controls have both automatic and manual system installed.					

No Photos

<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>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type</p> <p>Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Surfaces		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_15				
Action/Comments					
Inspector Comments: Concrete surfaces appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Tilting / Settlement		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_16				
Action/Comments					
Inspector Comments: Concrete surfaces appear to be intact and no significant displacement observed.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Foundations		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_17				
Action/Comments					
Inspector Comments: Structure foundation appears to be in good condition.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Security Fencing		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_18				
Action/Comments					
Inspector Comments: The facility appears to have adequate security.					

Photo 1 of 1 : ST_2014_NA0050_220_18_20140805_00006.jpg



View of the security fencing around the facility.

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Closure Structures		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_19				
Action/Comments					
Inspector Comments: Closure structure appears to function as designed.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_20				
Action/Comments					
Inspector Comments: There are no trash rakes at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Other Metallic Items		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_21				
Action/Comments					
Inspector Comments: All metallic surfaces appear to be free of rust and in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_22				
Action/Comments					
Inspector Comments: All monolith joints appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Safety		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_23				
Action/Comments					
Inspector Comments: Safety equipment for a person to evacuate the channel in case of a fall are installed. All other safety features appear to be adequate.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2014

Sacramento County

Structure	Structure Length	Inspection Start/End	Inspector
Mayhew Drain Closure Structure		07/23/2014 07/23/2014	Maksim Khashchuk

LM Start	0.00	Rating **	U	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Operation & Maintenance Manual		38.569898 °	38.569898 °	
			-121.353360 °	-121.353360 °	
DWR ID	DWR_NA0050_220_t_2014_24				
Action/Comments					
Inspector Comments: O&M Manual has not been finalized and submitted to the USACE.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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