

Flood Control Project Maintenance
2015 Structure Summary Report
Overall Unit and Item Ratings

City of Sacramento

El Camino Avenue Bridge

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

Flood Control Project Maintenance
2015 Structure Summary Report
Overall Unit and Item Ratings

City of Sacramento (cont.)

Magpie Creek Pumping Plant

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	N
	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

Unit Cover Sheet

2015 Structure Inspection Results

City of Sacramento

Structure
El Camino Avenue Bridge

Structure Rating	A
Date of Inspection	07/22/2015
DWR Inspector	Pavel Kazi
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge			07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Photo Documentation		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_1				
Action/Comments					
Inspector Comments: West El Camino bridge is inspected as a structure because the bridge deck is below the design water surface elevation causing the wingwalls and guard railing to act as flood walls during high water events.					

Photo 1 of 2 : ST_2015_NA0005_221_1_20150807_00012.jpg



View of the bridge which acts as a flood wall.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2015_NA0005_221_1_20150807_00013.jpg



View of the wing wall to act as a flood wall at this structure.

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_2				
Action/Comments					
Inspector Comments: The channel appeared to be free of any vegetation growth that would impede flows.					

Photo 1 of 2 : ST_2015_NA0005_221_2_20150807_00014.jpg



View of the channel under the bridge. The picture was taken looking upstream.

* 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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge			07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation & Obstructions		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_2				
Action/Comments					
Inspector Comments: The channel appeared to be free of any vegetation growth that would impede flows.					

Photo 2 of 2 : ST_2015_NA0005_221_2_20150807_00015.jpg



View of the channel under the bridge. The picture was taken looking downstream.

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_3				
Action/Comments					
Inspector Comments: The channel didn't have any shoaling or sedimentation which would impede the flow.					

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_4				
Action/Comments					
Inspector Comments: No erosion or bank caving was found on the side of the channel.					

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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Revetments		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap was properly maintained.					

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_6				
Action/Comments					
Inspector Comments: No trash or debris were present around the structure.					

No Photos

LM Start	0.00	Rating **	N	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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	N	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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Metal Pipes		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	N	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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_15				
Action/Comments					
Inspector Comments: The concrete surface didn't have any spalling or cracking which would threaten the integrity of the bridge.					

Photo 1 of 2 : ST_2015_NA0005_221_15_20150807_00016.jpg



View of the flood wall.

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2015_NA0005_221_15_20150807_00017.jpg



View of the flood wall.

<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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge			07/22/2015 07/22/2015	Pavel Kazi

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_16				
Action/Comments					
Inspector Comments: There were no signs of any settlement.					

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_17				
Action/Comments					
Inspector Comments: No sign of scouring or erosion was visible at the footings of the structure.					

Photo 1 of 1 : ST_2015_NA0005_221_17_20150807_00018.jpg



View below the bridge.

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Security Fencing		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Closure Structures		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge			07/22/2015 07/22/2015	Pavel Kazi

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_22				
Action/Comments					
Inspector Comments: The monolithic joint material was in good condition on the flood walls.					

Photo 1 of 3 : ST_2015_NA0005_221_22_20150710_00009.jpg



View of the flood walls with monolith joints.

LM Start	0.00	Rating **	A	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2015_NA0005_221_22_20150807_00019.jpg



View of the flood walls with monolith joints.

LM Start	0.00	Rating **	A	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2015_NA0005_221_22_20150807_00020.jpg



View of the flood walls with monolith joints.

* 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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge			07/22/2015 07/22/2015	Pavel Kazi

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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2012_23				
Action/Comments					
Inspector Comments: The walls around the structure provide adequate protection against fall hazards.					

Photo 1 of 1 : ST_2015_NA0005_221_23_20150710_00011.jpg



View of the flood walls which also provides protection against fall hazards.

LM Start	0.00	Rating **	A	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		38.611365 °	38.611365 °	
			-121.466557 °	-121.466557 °	
DWR ID	DWR_NA0005_221_t_2014_24				
Action/Comments					
Inspector Comments: This bridge is listed as a project structure per the USACE, but it doesn't have an O&M manual.					

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

Unit Cover Sheet

2015 Pumping Plant Inspection Results

City of Sacramento

Pumping Plant
Magpie Creek Pumping Plant

Pumping Plant Rating	A
Date of Inspection	07/22/2015
DWR Inspector	Pavel Kazi
Accompanied By	Philip Meyer City of Sacramento

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant			07/22/2015 07/22/2015	Pavel Kazi

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_1				
Action/Comments					
Inspector Comments: The operation log was maintained up to date and it was present inside the pump station.					

Photo 1 of 1 : ST_2015_NA0005_16_1_20150807_00021.jpg



View of the maintenance log in the pumping plant.

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_2				
Action/Comments					
Inspector Comments: The City of Sacramento doesn't have the O&M manual for this plant. It was determined that this may not be a project structure and DWR is investigating further on this matter.					

No Photos

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_3				
Action/Comments					
Inspector Comments: The plant building was in good condition without any visible cracks or structural damage.					

Photo 1 of 2 : ST_2015_NA0005_16_3_20150807_00022.jpg



View of the pumping plant and the control room.

<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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant			07/22/2015 07/22/2015	Pavel Kazi

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_3				
Action/Comments					
Inspector Comments: The plant building was in good condition without any visible cracks or structural damage.					

Photo 2 of 2 : ST_2015_NA0005_16_3_20150807_00023.jpg



View of the pumping plant looking east.

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_4				
Action/Comments					
Inspector Comments: District personnel have cell phones for communication.					

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_5				
Action/Comments					
Inspector Comments: The building didn't have visible safety issues. Fire extinguishers were present inside the building along with material for oil spills.					

Photo 1 of 3 : ST_2015_NA0005_16_5_20150807_00024.jpg



Safety material for oil spills was present inside the pumping plant.

* 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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			38.640967 °	38.640967 °
				-121.471106 °	-121.471106 °
DWR ID	DWR_NA0005_16_t_2012_5				
Action/Comments					
Inspector Comments: The building didn't have visible safety issues. Fire extinguishers were present inside the building along with material for oil spills.					

Photo 2 of 3 : ST_2015_NA0005_16_5_20150807_00025.jpg



Various safety material were present inside the pumping plant.

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2015_NA0005_16_5_20150807_00026.jpg



View of the fire extinguishers inside the pumping plant.

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			38.640967 °	38.640967 °
				-121.471106 °	-121.471106 °
DWR ID	DWR_NA0005_16_t_2012_6				
Action/Comments					
Inspector Comments: The crane appeared to be in good working condition inside the pumping plant.					

Photo 1 of 1 : ST_2015_NA0005_16_6_20150807_00027.jpg



View of the crane inside the pumping plant.

* 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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/22/2015 07/22/2015	Pavel Kazi

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_7				
Action/Comments					
Inspector Comments: The pumps didn't show any signs of corrosion and all the pumps appeared to be properly maintained and periodically tested.					

Photo 1 of 4 : ST_2015_NA0005_16_7_20150807_00028.jpg



View of one of the propane powered pumps inside the plant.

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2015_NA0005_16_7_20150807_00029.jpg



View of another propane powered pumps inside the plant.

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2015_NA0005_16_7_20150807_00030.jpg



View of one of the electric pumps inside the plant.

<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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Pumps		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_7				
Action/Comments					
Inspector Comments: The pumps didn't show any signs of corrosion and all the pumps appeared to be properly maintained and periodically tested.					

Photo 4 of 4 : ST_2015_NA0005_16_7_20150807_00031.jpg



View of the electric pumps outside of the pumping plant.

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_8				
Action/Comments					
Inspector Comments: The power sources appeared to be safe and reliable and some pumps are able to operate using propane as a fuel source.					

Photo 1 of 2 : ST_2015_NA0005_16_8_20150807_00032.jpg



View of the propane tank outside the pumping plant.

LM Start	0.00	Rating **	A	Issue No.	8 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2015_NA0005_16_8_20150807_00033.jpg



View of the electrical boxes outside the pumping plant.

* 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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant			07/22/2015 07/22/2015	Pavel Kazi

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2013_10				
Action/Comments					
Inspector Comments: All the items appeared to be operational, and properly maintained.					

Photo 1 of 1 : ST_2015_NA0005_16_10_20150807_00034.jpg



View of the ventilation fan inside the plant.

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_11				
Action/Comments					
Inspector Comments: All the pump control systems appeared to be in a good condition.					

Photo 1 of 2 : ST_2015_NA0005_16_11_20150807_00035.jpg



View of the pump control systems in the pump control building.

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

Photo 2 of 2 : ST_2015_NA0005_16_11_20150807_00036.jpg



View of the pump control systems inside the control 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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant			07/22/2015 07/22/2015	Pavel Kazi

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_12				
Action/Comments					
Inspector Comments: The wet well was clear of any debris or obstructions which could hinder the pumps during operation.					

Photo 1 of 1 : ST_2015_NA0005_16_12_20150807_00037.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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_13				
Action/Comments					
Inspector Comments: Trash rack appeared to be clean and clear of any debris.					

Photo 1 of 1 : ST_2015_NA0005_16_13_20150807_00038.jpg



View of the trash rack.

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_14				
Action/Comments					
Inspector Comments: Trash rakes were not present at this plant.					

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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/22/2015 07/22/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Sluice / Slide Gates		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2013_9				
Action/Comments					
Inspector Comments: The slide gates were free of any debris and appear to be in a good working condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_16				
Action/Comments					
Inspector Comments: This facility didn't have electric gates.					

No Photos

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_17				
Action/Comments					
Inspector Comments: The slide gate appeared to be in good working condition.					

Photo 1 of 1 : ST_2015_NA0005_16_17_20150807_00039.jpg



View of the slide gate operators.

* 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 2015

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		07/22/2015 07/22/2015	Pavel Kazi

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_18				
Action/Comments					
Inspector Comments: The metallic parts appeared to be well maintained.					

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_19				
Action/Comments					
Inspector Comments: The flap gates appeared to be in good condition and free of any obstructions.					

Photo 1 of 1 : ST_2015_NA0005_16_19_20150807_00040.jpg



View of the flap gates.

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_20				
Action/Comments					
Inspector Comments: This plant doesn't have a closure 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 2015

City of Sacramento

Structure		Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant			07/22/2015 07/22/2015	Pavel Kazi

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_21				
Action/Comments					
Inspector Comments: The security fencing around the structures appeared to be in good condition and should provide protection against unauthorized access.					

Photo 1 of 1 : ST_2015_NA0005_16_21_20150710_00019.jpg



View of the security fencing around the structure.

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		38.640967 °	38.640967 °	
			-121.471106 °	-121.471106 °	
DWR ID	DWR_NA0005_16_t_2012_22				
Action/Comments					
Inspector Comments: The intake pipes appeared to be in good condition.					

Photo 1 of 1 : ST_2015_NA0005_16_22_20150710_00020.jpg



View of the intake pipes.

<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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