

Flood Control Project Maintenance
2016 Structure Summary Report
Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard

Cache Creek Settling Basin Weir And Drainage Structure

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

Flood Control Project Maintenance
2016 Structure Summary Report
Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Fremont Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	M
	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	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2016 Structure Summary Report
Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Knights Landing Outfall Structure

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

Flood Control Project Maintenance
2016 Structure Summary Report
Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Paradise Dam

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	M
	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	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	M
	Operation & Maintenance Manual	U

Flood Control Project Maintenance
2016 Structure Summary Report
Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Sacramento Weir

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

Flood Control Project Maintenance

Unit Cover Sheet

2016 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure
Cache Creek Settling Basin Weir And Drainage Structure

Structure Rating	A
Date of Inspection	7/6/2016
DWR Inspector	Jai Lor
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			38.682438 °	38.687317 °
				-121.672924 °	-121.673711 °
DWR ID	DWR_NA0055_12_t_2012_24				
Action/Comments					
Inspector Comments: View of the drainage structure with the inlet location at (38.678471, -121.673355) and the outlet location at (38.678462, -121.672640).					

Photo 1 of 2 : ST_2016_NA0055_12_24_20160719_00033.jpg



View of the outlet structure at the south end of the weir. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : ST_2016_NA0055_12_24_20160719_00034.jpg



View of the inlet structure at the south end of the weir. Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.682460 °	38.687350 °
				-121.672930 °	-121.673740 °
DWR ID	DWR_NA0055_12_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Shoaling / Sedimentation		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Revetments		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained. Riprap is clearly visible and undamaged.					

Photo 1 of 2 : ST_2016_NA0055_12_5_20160719_00026.jpg



View of the revetments of the weir on the south end looking north. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Revetments		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained. Riprap is clearly visible and undamaged.					

Photo 2 of 2 : ST_2016_NA0055_12_5_20160719_00027.jpg



View of the revetments of the weir on the north end looking south. Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions is present within the project easement area.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Inlets / Outlets		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_7				
Action/Comments					
Inspector Comments: There is little or no debris, sediment or vegetation blocking the culverts, inlets, sump or discharge areas. The channel capacity for designed flow is not affected.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Breaks / Holes / Cracks		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_8				
Action/Comments					
Inspector Comments: There are no breaks, holes, cracks in the culvert that would result in significant water leakage.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Metal Pipes		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Racks		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_10				
Action/Comments					
Inspector Comments: Trash racks are fastened in place and properly maintained.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_11				
Action/Comments					
Inspector Comments: Flap gates open and close easily with minimal leakage.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Sluice/Slide Gates		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_12				
Action/Comments					
Inspector Comments: Gates open and close freely and free of sediment and other obstructions.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Manual Gate Operators		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_14				
Action/Comments					
Inspector Comments: The gates are tested once a year with safety and dams.					

Photo 1 of 1 : ST_2016_NA0055_12_14_20160719_00028.jpg



View of the gate operators to the drainage structure. Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Surfaces		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling or cracking. Cracks should be sealed to prevent freeze/thaw damage.					

Photo 1 of 4 : ST_2016_NA0055_12_15_20160719_00029.jpg



View of the weir on the south end looking north. Summer 2016.

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

Photo 2 of 4 : ST_2016_NA0055_12_15_20160719_00030.jpg



View of the weir on the north end looking south. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			38.682460 °	38.687350 °
				-121.672930 °	-121.673740 °
DWR ID	DWR_NA0055_12_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling or cracking. Cracks should be sealed to prevent freeze/thaw damage.					

Photo 3 of 4 : ST_2016_NA0055_12_15_20160719_00031.jpg



Crack seems to be connected to previous crack from the steps. Summer 2016.

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

Photo 4 of 4 : ST_2016_NA0055_12_15_20160719_00032.jpg



Crack is at the toe but does not seem to impede the function of the weir. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			38.682460 °	38.687350 °
				-121.672930 °	-121.673740 °
DWR ID	DWR_NA0055_12_t_2012_16				
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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Foundations		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Security Fencing		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Closure Structures		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_19				
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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Other Metallic Items		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_22				
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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Safety		38.682460 °	38.687350 °	
			-121.672930 °	-121.673740 °	
DWR ID	DWR_NA0055_12_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware is installed and an adequate protection for fall hazards exist. No hazardous conditions exist that might affect the operation of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Operation & Maintenance Manual		38.682438 °	38.687317 °	
			-121.672924 °	-121.673711 °	
DWR ID	DWR_NA0055_12_t_2013_1				
Action/Comments					
Inspector Comments: LMA has O&M manual for the structure and also available online.					

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

2016 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure
Fremont Weir

Structure Rating	A
Date of Inspection	7/6/2016
DWR Inspector	Jai Lor
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			38.758880 °	38.764680 °
				-121.665380 °	-121.635430 °
DWR ID	DWR_NA0055_2_t_2012_24				
Action/Comments					
Inspector Comments: West end of the weir (38.759090, -121.665400), Fish ladder (38.764355, -121.646851), East end of the weir (38.764660, -121.635572).					

Photo 1 of 5 : ST_2016_NA0055_2_24_20160719_00015.jpg



View of the weir looking northeast from (38.759090, -121.665400). Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 5 : ST_2016_NA0055_2_24_20160719_00017.jpg



View of the fish ladder at (38.764355, -121.646851). Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 3 of 5 : ST_2016_NA0055_2_24_20160719_00019.jpg



Looking southwest from the fish ladder along the Fremont Weir. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure		Structure Length	Inspection Start/End	Inspector
Fremont Weir			07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Photo Documentation		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_24				
Action/Comments					
Inspector Comments: West end of the weir (38.759090, -121.665400), Fish ladder (38.764355, -121.646851), East end of the weir (38.764660, -121.635572).					

Photo 4 of 5 : ST_2016_NA0055_2_24_20160719_00018.jpg



Looking northeast from the fish ladder along the Fremont Weir. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 5 of 5 : ST_2016_NA0055_2_24_20160719_00020.jpg



View of the weir looking northwest along the weir from (38.764660, -121.635572). Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation & Obstructions		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Shoaling / Sedimentation		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_4				
Action/Comments					
Inspector Comments: There are areas where active erosion is occurring or has occurred on or near the levee / bank, but project integrity is not threatened.					

Photo 1 of 2 : ST_2016_NA0055_2_4_20160719_00011.jpg



Erosion may have been created from the last high water along the Fremont weir. Summer 2016.

LM Start	0.00	Rating **	M	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : ST_2016_NA0055_2_4_20160719_00012.jpg



More erosion near the concrete of the weir. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure		Structure Length	Inspection Start/End	Inspector
Fremont Weir			07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Revetments		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_5				
Action/Comments					
Inspector Comments: No riprap displacement or scouring activity that could undercut banks, erode embankments, or restrict desired flow. Unwanted vegetation must be cleared and sprayed with an appropriate herbicide.					

Photo 1 of 1 : ST_2016_NA0055_2_5_20160719_00010.jpg



View of the revetment covered in vegetation. Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Inlets / Outlets		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Breaks / Holes / Cracks		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Metal Pipes		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Racks		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Sluice/Slide Gates		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Manual Gate Operators		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Surfaces		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_15				
Action/Comments					
Inspector Comments: Crack runs from the top to the bottom on the downstream side at the West end of the weir. The crack appears to be about 1" at the top of the wall and about 1/2" near the bottom. This does not affect the function of the weir. It is minor but needs to be repaired.					

Photo 1 of 2 : ST_2016_NA0055_2_15_20160719_00013.jpg



View of the crack at location (38.758996, -121.665420).

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

Photo 2 of 2 : ST_2016_NA0055_2_15_20160719_00014.jpg



Cracks on the fish ladder bar towards the Fremont Weir. Summer 2016.

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating 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 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Tilting / Settlement		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Foundations		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Security Fencing		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Closure Structures		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Other Metallic Items		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Safety		38.758880 °	38.764680 °	
			-121.665380 °	-121.635430 °	
DWR ID	DWR_NA0055_2_t_2012_23				
Action/Comments					
Inspector Comments: No hazardous conditions that might affect the operation of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Operation & Maintenance Manual		38.758909 °	38.764638 °	
			-121.665548 °	-121.635434 °	
DWR ID	DWR_NA0055_2_t_2013_1				
Action/Comments					
Inspector Comments: LMA has O&M manual for the weir.					

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

2016 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure
Knights Landing Outfall Structure

Structure Rating	A
Date of Inspection	7/6/2016
DWR Inspector	Jai Lor
Accompanied By	Ted Skidgel Sacramento Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_1				
Action/Comments					
Inspector Comments: North end of structure: (38.799581, -121.725272). South end of structure (38.799254, -121.724824).					

Photo 1 of 2 : ST_2016_NA0055_41_1_20160719_00009.jpg



View of the inlet side of the structure. Summer 2016.

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

Photo 2 of 2 : ST_2016_NA0055_41_1_20160719_00010.jpg



View of the outlet side of the structure. Summer 2016.

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded. Aquatic weeds are increasing on the stop logs and upstream of the structure.					

Photo 1 of 2 : ST_2016_NA0055_41_2_20160802_00013.jpg



View of the channel looking downstream from the structure. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded. Aquatic weeds are increasing on the stop logs and upstream of the structure.					

Photo 2 of 2 : ST_2016_NA0055_41_2_20160802_00014.jpg



View of the stop log and channel looking upstream. Summer 2016.

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_5				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating 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 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to the 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_11				
Action/Comments					
Inspector Comments: Flap gates open and close easily with minimal leakage. Gates show no corrosion damage and have been maintained.					

No Photos

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_12				
Action/Comments					
Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.					

Photo 1 of 1 : ST_2016_NA0055_41_12_20160719_00008.jpg



View of the unopened slide gate on the inlet side of the structure. Summer 2016.

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_13				
Action/Comments					
Inspector Comments: The gates were not operated but appear to be functional.					

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 2016

DWR Sacramento Maintenance Yard

Structure		Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure			07/06/2016 07/06/2016	Jai Lor

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_14				
Action/Comments					
Inspector Comments: Summer 2016: The manual gates were not tested but appears to be operational. Nothing has changed from summer of 2015.					

Photo 1 of 2 : ST_2016_NA0055_41_14_20160620_00006.jpg



Close-up view of the wheel for the flap gate. Summer 2015.

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

Photo 2 of 2 : ST_2016_NA0055_41_14_20160620_00007.jpg



View of the control structure to manually close the flap gates. Summer 2015.

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_15				
Action/Comments					
Inspector Comments: All cracks on the wall surfaces have been repaired.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_16				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_19				
Action/Comments					
Inspector Comments: Closure structure is in good condition. Placing equipment, stop logs, and other materials are readily available at all times. Components of closure are clearly marked and installation instructions / procedures are readily available.					

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2013_21				
Action/Comments					
Inspector Comments: All metallic items have been replaced or protected in 2012-2013.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/06/2016 07/06/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.					

No Photos

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		38.799560 °	38.799320 °	
			-121.725530 °	-121.724850 °	
DWR ID	DWR_NA0055_41_t_2013_24				
Action/Comments					
Inspector Comments: The yard has the manuals for 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

Unit Cover Sheet

2016 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure
Paradise Dam

Structure Rating	M
Date of Inspection	7/12/2016
DWR Inspector	Jai Lor
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.760713 °	37.760713 °
				-121.309550 °	-121.309550 °
DWR ID	DWR_NA0055_52_t_2012_24				
Action/Comments					
Inspector Comments: The northern portion of dam is located at (37.760462, -121.309456). The southern portion of the dam is located at (37.759935, -121.309416).					

Photo 1 of 5 : ST_2016_NA0055_52_24_20160719_00013.jpg



View of the structure looking south from the north end. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 5 : ST_2016_NA0055_52_24_20160719_00014.jpg



View of the structure looking to the north from the south end. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 3 of 5 : ST_2016_NA0055_52_24_20160719_00015.jpg



Looking downstream to the west from the structure. Summer 2016.

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating 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 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.760713 °	37.760713 °
				-121.309550 °	-121.309550 °
DWR ID	DWR_NA0055_52_t_2012_24				
Action/Comments					
Inspector Comments: The northern portion of dam is located at (37.760462, -121.309456). The southern portion of the dam is located at (37.759935, -121.309416).					

Photo 4 of 5 : ST_2016_NA0055_52_24_20160719_00016.jpg



View of the inlet of the structure and channel looking north from the south end. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 5 of 5 : ST_2016_NA0055_52_24_20160719_00017.jpg



Looking upstream towards the San Joaquin River from the inlet side of the structure. Summer 2016.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.760584 °	37.760584 °
				-121.309450 °	-121.309450 °
DWR ID	DWR_NA0055_52_t_2012_2				
Action/Comments					
Inspector Comments: Vegetation growth (such as dense vegetation (willows) obstructions impedes the upstream flow (San Joaquin River) of the FCW.					

Photo 1 of 2 : ST_2016_NA0055_52_2_20160719_00011.jpg



View of the willows and dam looking upstreamstream towards the San Joaquin River. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation & Obstructions		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_2				
Action/Comments					
Inspector Comments: Vegetation growth (such as dense vegetation (willows) obstructions impedes the upstream flow (San Joaquin River) of the FCW.					

Photo 2 of 2 : ST_2016_NA0055_52_2_20160719_00009.jpg



View of the vegetation looking downstream from the inlet side of the dam. Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Shoaling / Sedimentation		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Revetments		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Inlets / Outlets		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Breaks / Holes / Cracks		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Metal Pipes		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Racks		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Sluice/Slide Gates		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Manual Gate Operators		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Surfaces		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_15				
Action/Comments					
Inspector Comments: This item does not apply to the inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Tilting / Settlement		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_16				
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 2016

DWR Sacramento Maintenance Yard

Structure		Structure Length	Inspection Start/End	Inspector
Paradise Dam			07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Concrete Foundations	37.760584 °	37.760584 °		
		-121.309450 °	-121.309450 °		
DWR ID	DWR_NA0055_52_t_2012_17				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Security Fencing	37.760584 °	37.760584 °		
		-121.309450 °	-121.309450 °		
DWR ID	DWR_NA0055_52_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Closure Structures	37.760584 °	37.760584 °		
		-121.309450 °	-121.309450 °		
DWR ID	DWR_NA0055_52_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Other Metallic Items		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		37.760584 °	37.760584 °	
			-121.309450 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t_2012_22				
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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/12/2016 07/12/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			37.760584 °	37.760584 °
				-121.309450 °	-121.309450 °
DWR ID	DWR_NA0055_52_t_2012_23				
Action/Comments					
Inspector Comments: Minor safety hazards are present, but do not pose an immediate threat to the structure or personnel at the structure. There are exposed, rusted cable and the rip rap that backs up the old dam is very hard to walk on.					

Photo 1 of 1 : ST_2016_NA0055_52_23_20160719_00012.jpg



Exposed cables are on the dam near the revetments. Summer 2016.

LM Start	0.00	Rating **	U	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.760584 °	37.760584 °
				-121.309450 °	-121.309450 °
DWR ID	DWR_NA0055_52_t_2013_1				
Action/Comments					
Inspector Comments: There is no O&M Manual for this structure.					

No Photos

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

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

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

Flood Control Project Maintenance
Unit Cover Sheet
2016 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure
Sacramento Weir

Structure Rating	A
Date of Inspection	7/7/2016
DWR Inspector	Jai Lor
Accompanied By	Casey Lund Sacramento Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			38.607120 °	38.607120 °
				-121.560100 °	-121.560100 °
DWR ID	DWR_NA0055_1_t_2012_24				
Action/Comments					
Inspector Comments: South end of the weir bay #48 38.602812 -121.555783, North end of the weir bay #1 38.607156 -121.560092					

Photo 1 of 4 : ST_2016_NA0055_1_24_20160719_00012.jpg



View of the inlet of the weir looking northeast along the structure. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 4 : ST_2016_NA0055_1_24_20160722_00023.jpg



View of the inlet of the weir looking southwest along the structure. Summer 2016.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 3 of 4 : ST_2016_NA0055_1_24_20160722_00024.jpg



View of the outlet side of the structure looking to the southeast. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			38.607120 °	38.607120 °
				-121.560100 °	-121.560100 °
DWR ID	DWR_NA0055_1_t_2012_24				
Action/Comments					
Inspector Comments: South end of the weir bay #48 38.602812 -121.555783, North end of the weir bay #1 38.607156 -121.560092					

Photo 4 of 4 : ST_2016_NA0055_1_24_20160722_00025.jpg



View of the outlet side of the structure looking to the northwest. Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.607120 °	38.607120 °
				-121.560100 °	-121.560100 °
DWR ID	DWR_NA0055_1_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			38.607120 °	38.607120 °
				-121.560100 °	-121.560100 °
DWR ID	DWR_NA0055_1_t_2012_3				
Action/Comments					
Inspector Comments: No sedimentation present.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Revetments		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_5				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Inlets / Outlets		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Culverts: Breaks / Holes / Cracks		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Metal Pipes		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_9				
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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Racks		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Flap Gates		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_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 *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Sluice/Slide Gates		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_12				
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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Electric Gate Operators		38.607120°	38.607120°	
			-121.560100°	-121.560100°	
DWR ID	DWR_NA0055_1_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Manual Gate Operators		38.607120°	38.607120°	
			-121.560100°	-121.560100°	
DWR ID	DWR_NA0055_1_t_2012_14				
Action/Comments					
Inspector Comments: All manual gate operators are in good working condition.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Surfaces		38.607120°	38.607120°	
			-121.560100°	-121.560100°	
DWR ID	DWR_NA0055_1_t_2016_15				
Action/Comments					
Inspector Comments: Spalling, scaling, and open cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done.					

Photo 1 of 4 : ST_2016_NA0055_1_15_20160720_00013.jpg



Rebar is exposed in Bay 31 on the inlet side of the weir. Some rebar exposure are also present in Bay 29 on the same side of the wall. Summer 2016.

<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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			38.607120°	38.607120°
				-121.560100°	-121.560100°
DWR ID	DWR_NA0055_1_t_2016_15				
Action/Comments					
Inspector Comments: Spalling, scaling, and open cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done.					

Photo 2 of 4 : ST_2016_NA0055_1_15_20160720_00014.jpg



Scouring can be seen near the end of the beam in Bay 7. Bays 31, 10, 7, 4, 3, and 1 also has scourings in the same beam areas. Summer 2016.

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

Photo 3 of 4 : ST_2016_NA0055_1_15_20160720_00015.jpg



View of the top corner of the weir on the north end of the weir on the outlet side. Summer 2016.

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

Photo 4 of 4 : ST_2016_NA0055_1_15_20160720_00016.jpg



View of the crack in Bay 2. Other cracking can be seen in Bays 1, 2, and 23 as well. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Tilting / Settlement		38.607120°	38.607120°	
			-121.560100°	-121.560100°	
DWR ID	DWR_NA0055_1_t_2012_16				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Concrete Foundations		38.607120°	38.607120°	
			-121.560100°	-121.560100°	
DWR ID	DWR_NA0055_1_t_2012_17				
Action/Comments					
Inspector Comments: Scouring / erosion near the footing of the structure but not close enough to affect structure stability during the next flood.					

Photo 1 of 4 : ST_2016_NA0055_1_17_20160720_00017.jpg



View of the base of the wing walls in Bay 1. Summer 2016.

LM Start	0.00	Rating **	M	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 4 : ST_2016_NA0055_1_17_20160720_00019.jpg



Cracks are found on the base of the weir towards the Sacramento Bypass in Bay 1. Summer 2016.

* 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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			38.607120°	38.607120°
				-121.560100°	-121.560100°
DWR ID	DWR_NA0055_1_t_2012_17				
Action/Comments					
Inspector Comments: Scouring / erosion near the footing of the structure but not close enough to affect structure stability during the next flood.					

Photo 3 of 4 : ST_2016_NA0055_1_17_20160720_00022.jpg



The rebar at the base of the weir in Bay 8 is exposed and scalding can be seen where the structure is connected to the ground. Summer 2016.

LM Start	0.00	Rating **	M	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 4 of 4 : ST_2016_NA0055_1_17_20160720_00020.jpg



Cracks are at the base of the structure in Bay 6. Summer 2016.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.607120°	38.607120°
				-121.560100°	-121.560100°
DWR ID	DWR_NA0055_1_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Closure Structures		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_19				
Action/Comments					
Inspector Comments: Closure structure in good repair.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Other Metallic Items		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_21				
Action/Comments					
Inspector Comments: All metal parts are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.					

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 2016

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/07/2016 07/07/2016	Jai Lor

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Safety		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2012_23				
Action/Comments					
Inspector Comments: All safety equipment is stored at the Sacramento Maintenance Yard.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Operation & Maintenance Manual		38.607120 °	38.607120 °	
			-121.560100 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t_2013_1				
Action/Comments					
Inspector Comments: The LMA has the O&M manual for 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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