

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_ST0012_01_s_2013_6				
Comment Code					
Inspector Comment					
Sacramento Maintenance Yard has copies of their levee manuals.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_ST0012_01_s_2013_7				
Comment Code					
Inspector Comment					
Sacramento Maintenance Yard has a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_ST0012_01_s_2013_8				
Comment Code					
Inspector Comment					
Sacramento Maintenance Yard has a written flood response plan and flood response training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.590785 °	38.590478 °	
			-121.665306 °	-121.679087 °	
DWR ID	DWR_ST0012_01_s_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA has maintained vegetation on levee slopes.					

Photo 1 of 1 : SP\_2016\_ST0012\_295\_3\_20160303\_00014.jpg



View of the vegetation on the waterward side looking upstream. Spring 2016.

LM Start	<b>0.75</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>0.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.590478 °	38.590435 °	
			-121.679087 °	-121.681796 °	
DWR ID	DWR_ST0012_01_s_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.75</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.590478 °	38.590434 °	
			-121.679087 °	-121.682013 °	
DWR ID	DWR_ST0012_01_s_2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>1.86</b>	Rating **	A/W	Issue No.	<b>15</b>
LM End	<b>1.88</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.590378 °	38.590379 °
				-121.699630 °	-121.699920 °
DWR ID	DWR_ST0012_01_f_2015_15				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Cracks starting to form on the waterward slope.					

LM Start	<b>1.86</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>1.88</b>	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : SP\_2016\_ST0012\_295\_15\_20160302\_00009.jpg



Perspective view of the crack on the crown of the levee looking downstream. Fall 2015.

Photo 2 of 3 : SP\_2016\_ST0012\_295\_15\_20160302\_00010.jpg



Cracks are starting to form on the waterward slope of the levee looking downstream. Fall 2015.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>1.86</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>1.88</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.590378 °	38.590379 °
				-121.699630 °	-121.699920 °
DWR ID	DWR_ST0012_01_f_2015_15				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Cracks starting to form on the waterward slope.					

Photo 3 of 3 : SP\_2016\_ST0012\_295\_15\_20160302\_00011.jpg



There is another crack perpendicular to the crack on the levee crown. Fall 2015.

LM Start	<b>1.88</b>	Rating **	C	Issue No.	<b>14</b>
LM End	<b>1.89</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.590382 °	38.590387 °
				-121.700075 °	-121.700233 °
DWR ID	DWR_ST0012_01_f_2015_14				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

No Photos

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>3.00</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.590572 °	38.590653 °	
			-121.719349 °	-121.720714 °	
DWR ID	DWR_ST0012_01_s_2015_10				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Area is known to erode and may be because of the material of the levee.					

Photo 1 of 1 : SP\_2016\_ST0012\_295\_10\_20160302\_00002.jpg



View of the erosion on the landward side of the levee looking upstream. Fall 2015.

LM Start	<b>3.36</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>3.36</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.590620 °	38.590620 °	
			-121.727385 °	-121.727385 °	
DWR ID	DWR_ST0012_01_s_2016_13				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_295\_13\_20160303\_00016.jpg



View of the ruts created by vehicles on the crown of the levee looking downstream. Spring 2016.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>3.51</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>3.51</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.590751 °	38.590751 °	
			-121.730004 °	-121.730004 °	
DWR ID	DWR_ST0012_01_s_2016_17				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_295\_17\_20160303\_00017.jpg



View of the debris pile on the crown of the levee looking upstream. Spring 2016.

LM Start	<b>3.54</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>3.54</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.590685 °	38.590685 °	
			-121.730657 °	-121.730657 °	
DWR ID	DWR_ST0012_01_s_2016_18				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_295\_18\_20160303\_00018.jpg



View of the ruts caused by vehicles on the crown of the levee looking downstream. Spring 2016.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>3.56</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>3.86</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.590708 °	38.593617 °	
			-121.731026 °	-121.734789 °	
DWR ID	DWR_ST0012_01_s_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>3.90</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Cracking		38.594149 °	38.594149 °	
			-121.735254 °	-121.735254 °	
DWR ID	DWR_ST0012_01_f_2015_12				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The sinkholes are caused by the material of the levee and runoffs. These are not rodent holes.					

Photo 1 of 2 : SP\_2016\_ST0012\_295\_12\_20160302\_00004.jpg



View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_ST0012\_295\_12\_20160303\_00019.jpg



View of the sinkholes on the landward side of the levee. Sinkholes are caused due to material of the levee and runoffs. Spring 2016.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>3.92</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>4.43</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.594432 °	38.599737 °
				-121.735528 °	-121.741706 °
DWR ID	DWR_ST0012_01_s_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>3.92</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>4.15</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.594432 °	38.597092 °
				-121.735529 °	-121.737937 °
DWR ID	DWR_ST0012_01_s_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>3.94</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>3.94</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.594645 °	38.594645 °
				-121.735712 °	-121.735712 °
DWR ID	DWR_ST0012_01_f_2015_11				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The sinkholes are caused by the material of the levee and runoffs. These are not rodent holes.					

Photo 1 of 1 : SP\_2016\_ST0012\_295\_11\_20160302\_00003.jpg



View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>0.01</b>	Rating **	A	Issue No.	<b>4</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.599036 °	38.589890 °
				-121.754342 °	-121.722085 °
DWR ID	DWR_ST0012_02_s_2016_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA has maintained levee slope vegetation.					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_4\_20160303\_00023.jpg



View of the vegetation on the waterward side of the levee looking downstream. Spring 2016.

LM Start	<b>0.01</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.599036 °	38.589880 °
				-121.754342 °	-121.721992 °
DWR ID	DWR_ST0012_02_s_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA has maintained levee slope vegetation.					

No Photos

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>1.28</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>1.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.592503 °	38.592503 °
				-121.734801 °	-121.734801 °
DWR ID	DWR_ST0012_02_s_2016_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_6\_20160303\_00025.jpg



View of the slope stability on the landward side of the levee looking downstream. Spring 2016.

LM Start	<b>1.61</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.589910 °	38.589910 °
				-121.730042 °	-121.730042 °
DWR ID	DWR_ST0012_02_s_2016_12				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_12\_20160303\_00026.jpg



View of the debris pile on the crown of the levee looking upstream. Spring 2016.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>1.77</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>1.77</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589966 °	38.589966 °
				-121.727072 °	-121.727072 °
DWR ID	DWR_ST0012_02_s_2012_8				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_8\_20160302\_00004.jpg



View of the erosion on the edge of the channel looking downstream. Fall 2015.

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589906 °	38.589906 °
				-121.722218 °	-121.722218 °
DWR ID	DWR_ST0012_02_s_2012_5				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_ST0012\_296\_5\_20160302\_00001.jpg



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589906 °	38.589906 °
				-121.722218 °	-121.722218 °
DWR ID	DWR_ST0012_02_s_2012_5				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 2 of 2 : SP\_2016\_ST0012\_296\_5\_20160303\_00027.jpg



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>14</b>
LM End	<b>2.38</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.589867 °	38.589775 °
				-121.721617 °	-121.715795 °
DWR ID	DWR_ST0012_02_s_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>2.25</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>2.25</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589845 °	38.589845 °
				-121.718292 °	-121.718292 °
DWR ID	DWR_ST0012_02_f_2015_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion creeping onto toe road.					

LM Start	<b>2.25</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>2.25</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2016\_ST0012\_296\_19\_20160302\_00015.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

Photo 2 of 2 : SP\_2016\_ST0012\_296\_19\_20160303\_00028.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>2.73</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>2.73</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589707 °	38.589707 °
				-121.709429 °	-121.709429 °
DWR ID	DWR_ST0012_02_f_2015_20				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion starting to creep onto the toe road.					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_20\_20160302\_00016.jpg



View of the erosion at the edge of the channel looking downstream. Fall 2015.

LM Start	<b>2.82</b>	Rating **	M	Issue No.	<b>10</b>
LM End	<b>2.82</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589691 °	38.589691 °
				-121.707740 °	-121.707740 °
DWR ID	DWR_ST0012_02_f_2014_10				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_ST0012\_296\_10\_20160302\_00007.jpg



Erosion on toe road. Fall 2014.

LM Start	<b>2.82</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>2.82</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_ST0012\_296\_10\_20160303\_00029.jpg



View of the erosion on the toe road looking downstream. Spring 2016.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>2.97</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>2.97</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.589686 °	38.589686 °	
			-121.705041 °	-121.705041 °	
DWR ID	DWR_ST0012_02_f_2014_9				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_ST0012\_296\_9\_20160302\_00005.jpg



Erosion on toe road. Fall 2014.

LM Start	<b>2.97</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>2.97</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_ST0012\_296\_9\_20160302\_00006.jpg



View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

LM Start	<b>3.05</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>3.05</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.589638 °	38.589638 °	
			-121.703452 °	-121.703452 °	
DWR ID	DWR_ST0012_02_s_2016_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_16\_20160303\_00030.jpg



View of the slope stability on the shoulder of the levee looking downstream. Spring 2016.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>3.95</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>3.95</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.589508 °	38.589508 °	
			-121.686850 °	-121.686850 °	
DWR ID	DWR_ST0012_02_s_2016_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_18\_20160303\_00031.jpg



View of the erosion on the waterward side looking downstream. Spring 2016.

LM Start	<b>4.00</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>4.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.589500 °	38.589493 °	
			-121.686007 °	-121.683375 °	
DWR ID	DWR_ST0012_02_s_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>4.29</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>4.29</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589550 °	38.589550 °
				-121.680632 °	-121.680632 °
DWR ID	DWR_ST0012_02_f_2014_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_11\_20160302\_00008.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

LM Start	<b>5.05</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>5.05</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589570 °	38.589570 °
				-121.666588 °	-121.666588 °
DWR ID	DWR_ST0012_02_s_2015_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_ST0012\_296\_15\_20160302\_00012.jpg



View of the erosion on the edge of the channel on the waterward side of the levee. Spring 2015.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>5.05</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>5.05</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589570 °	38.589570 °
				-121.666588 °	-121.666588 °
DWR ID	DWR_ST0012_02_s_2015_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 2 of 2 : SP\_2016\_ST0012\_296\_15\_20160302\_00013.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

LM Start	<b>5.93</b>	Rating **	C	Issue No.	<b>23</b>
LM End	<b>5.93</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.589462 °	38.589462 °
				-121.650240 °	-121.650240 °
DWR ID	DWR_ST0012_02_f_2015_23				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	03/02/2016 03/02/2016	Jai Lor

LM Start	<b>7.15</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>7.46</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.574860 °	38.574293 °	
			-121.644047 °	-121.638713 °	
DWR ID	DWR_ST0012_02_s_2016_25				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Crown needs to be regraded.					

Photo 1 of 1 : SP\_2016\_ST0012\_296\_25\_20160303\_00035.jpg



View of the crown of the levee looking downstream. Road needs to be regraded. Spring 2016.

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