

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.67	05/15/2015 05/15/2015	Jai Lor

LM Start		Rating **	A	Issue No.	<b>20</b>
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_NA0005_01_s_2013_20				
Action/Comments					
Inspector Comments: City of Sacramento has copies of the levee manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>22</b>
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_NA0005_01_s_2013_22				
Action/Comments					
Inspector Comments: City of Sacramento maintains a stockpile of response material.					

No Photos

LM Start		Rating **	A	Issue No.	<b>23</b>
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_NA0005_01_s_2013_23				
Action/Comments					
Inspector Comments: City of Sacramento has a written response plan and regular 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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Unit No. 01 Sacramento River	Left	3.67	05/15/2015 05/15/2015	Jai Lor

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>824</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.590669 °	38.585149 °
				-121.505302 °	-121.505537 °
DWR ID	DWR_NA0005_01_s_2015_824				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_NA0005\_251\_824\_20150515\_00971.jpg



View of the vegetation on the waterward side of the levee looking downstream. Spring 2015.

LM Start	<b>1.16</b>	Rating **	A/W	Issue No.	<b>13</b>
LM End	<b>1.69</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574780 °	38.568757 °
				-121.510191 °	-121.515930 °
DWR ID	DWR_NA0005_01_f_2012_13				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 3 : SP\_2015\_NA0005\_251\_13\_20150507\_00010.jpg



Trees and brush are larger than 2 inches but does not effect visibility. Photo fall 2012.

LM Start	<b>1.16</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>1.69</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2015\_NA0005\_251\_13\_20150507\_00011.jpg



Monitor the trees and vegetation along the rivers edge. Fall 2013

<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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LM Start	<b>1.16</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>1.69</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.574780 °	38.568757 °
				-121.510191 °	-121.515930 °
DWR ID	DWR_NA0005_01_f_2012_13				
Action/Comments					
Trees / Woody Vegetation					

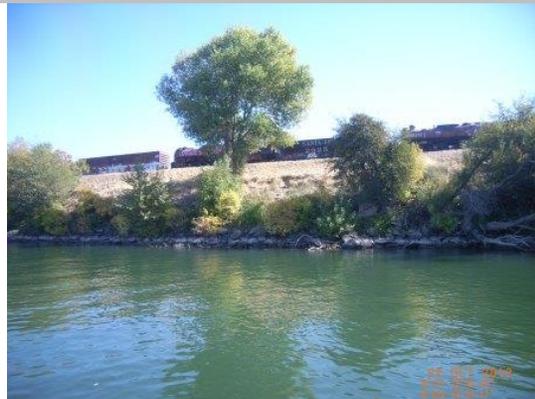
Photo 3 of 3 : SP\_2015\_NA0005\_251\_13\_20150507\_00012.jpg



Monitor the trees and woody vegetation along the rivers edge. Fall 2013

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>1.39</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.573169 °	38.572277 °
				-121.511998 °	-121.513063 °
DWR ID	DWR_NA0005_01_f_2014_12				
Action/Comments					
Inspector Comments: 2008 - Oversized levee, should be repaired under maintenance. 2009 - Shallow slumps at the mid bank. 2010 - Some minor erosion at the toe, likely from wave wash. Some new shallow slumps. 2011 - One new tree has fallen. 2013: Erosion continues on the slope surface, site extended upstream [2013 Site ID: SAC_58-5_L]					

Photo 1 of 2 : SP\_2015\_NA0005\_251\_12\_20150507\_00008.jpg



USACE 2013 Photo #1

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>1.39</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_NA0005\_251\_12\_20150507\_00009.jpg



USACE 2013 Photo #2

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable 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 Sacramento River	Left	3.67	05/15/2015 05/15/2015	Jai Lor

LM Start	<b>1.75</b>	Rating **	A/W	Issue No.	<b>144</b>
LM End	<b>1.75</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.567821 °	38.567821 °
				-121.516091 °	-121.516091 °
DWR ID	DWR_NA0005_01_s_2012_144				
Action/Comments					
Pipe					

Photo 1 of 2 : SP\_2015\_NA0005\_251\_144\_20150507\_00015.jpg



This appears to be a drain pipe under a driveway. It is a different pipe then the other photo for this issue. Fall 2011

LM Start	<b>1.75</b>	Rating **	A/W	Issue No.	<b>144 (cont)</b>
LM End	<b>1.75</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP\_2015\_NA0005\_251\_144\_20150507\_00016.jpg



A pipe on the landside shoulder crosses under the railroad tracks. Fall 2011

LM Start	<b>1.83</b>	Rating **	M	Issue No.	<b>826</b>
LM End	<b>2.37</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.566717 °	38.559030 °
				-121.516055 °	-121.514739 °
DWR ID	DWR_NA0005_01_s_2015_826				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

<b>* Location</b> LS : Land Side 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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LM Start	<b>1.99</b>	Rating **	M	Issue No.	<b>827</b>
LM End	<b>2.29</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.564376 °	38.560068 °	
			-121.516196 °	-121.515550 °	
DWR ID	DWR_NA0005_01_s_2015_827				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	<b>2.04</b>	Rating **	A/W	Issue No.	<b>145</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.563720 °	-121.515890 °	
			38.563720 °	-121.515890 °	
DWR ID	DWR_NA0005_01_s_2012_145				
Action/Comments					
Pipe Inspector Comments: The pipe has been repaired by the LMA. The pipe was installed by the Railroad Museum and is in talks with the CVFPB. No permit was issued for them.					

Photo 1 of 1 : SP\_2015\_NA0005\_251\_145\_20150507\_00017.jpg



The pipe is a french drain under the railroad tracks. Was in the USACE report has not been resolved. Photo fall 2012.

LM Start	<b>2.45</b>	Rating **	A/W	Issue No.	<b>8</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.557937 °	38.557937 °	
			-121.514237 °	-121.514237 °	
DWR ID	DWR_NA0005_01_s_2012_8				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

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

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LM Start	<b>2.46</b>	Rating **	A/W	Issue No.	<b>21</b>
LM End	<b>2.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.557828 °	38.553710 °
				-121.514193 °	-121.512863 °
DWR ID	DWR_NA0005_01_s_2012_21				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : SP\_2015\_NA0005\_251\_21\_20150507\_00013.jpg



A photo of the revegetation site taken spring 2012.

LM Start	<b>2.46</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>2.75</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_NA0005\_251\_21\_20150507\_00014.jpg



This area is a revegetation site, photo taken spring 2012.

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>2.85</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.551578 °	38.552268 °
				-121.512336 °	-121.512590 °
DWR ID	DWR_NA0005_01_f_2014_11				
Action/Comments					
Inspector Comments: 1997 - Erosion at pump station, concrete debris and plastic showing. 2000 - Separation scour of bank due to poor transition. 2004 - New large tree pop out; city dumped fill dirt/rock into hole. 2006 - Minor new erosion at top of bank. 2010 - Some new rock placed in tree pop-out. 2011 - A large tree has fallen and flood fighting was performed by the city on the upper levee slope. 2012 - Small rock					

Photo 1 of 1 : SP\_2015\_NA0005\_251\_11\_20150507\_00007.jpg



USACE 2013 Photo #1

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