

**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/02/2016 11/02/2016	Pavel Kazi

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0017_01_s _ 2013_3				
Comment Code					
Inspector Comment					
The LMA has the all the required O&M manuals.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0017_01_s _ 2013_5				
Comment Code					
Inspector Comment					
The LMA has all the required materials at their site.					

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 Littlejohn Creek	Left	2.59	11/02/2016 11/02/2016	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_NA0017_01_s_2013_9						
Comment Code							
Inspector Comment							
The LMA has all the required booklets from DWR, flood response plan and most of their employees are trained to be a flood fighter. They continue to train more personnel for flood response.							

No Photos

LM Start	0.79	Rating **	M	Issue No.	11
LM End	0.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.878523 °	37.878523 °
				-121.242328 °	-121.242328 °
DWR ID	DWR_NA0017_01_f_2016_11				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_148\_11\_20161104\_00025.jpg



View of the crown depression on the levee looking upstream. Fall 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/26/2016 10/26/2016	Pavel Kazi

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>0.05</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.979182°	37.979182°	
			-121.097977°	-121.097977°	
DWR ID	DWR_NA0017_06_s_2016_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_150\_5\_20160823\_00001.jpg



View of rodent holes on the landside of the levee.

LM Start	<b>0.10</b>	Rating **	N	Issue No.	<b>4</b>
LM End	<b>0.10</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.979219°	37.979219°	
			-121.097129°	-121.097129°	
DWR ID	DWR_NA0017_06_s_2016_4				
Comment Code					
T5 : Tree stumps.					
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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# San Joaquin County Flood Control and Water Conservation District

View of the waterside slope of the levee. Fall 2016

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	0.15	Rating **	A	Issue No.	68
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043768 °	38.043768 °
				-121.370862 °	-121.370862 °
DWR ID	DWR_NA0017_07_f_2016_68				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable landside vegetation.					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_68\_20161014\_00142.jpg



View of the landside of the levee. Fall 2016.

LM Start	0.33	Rating **	C	Issue No.	81
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043523 °	38.044609 °
				-121.367624 °	-121.295731 °
DWR ID	DWR_NA0017_07_s_2016_81				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	0.38	Rating **	M	Issue No.	69
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043585 °	38.043556 °
				-121.366732 °	-121.363954 °
DWR ID	DWR_NA0017_07_f_2016_69				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_69\_20161014\_00143.jpg



View of the vegetation on the landside of the levee looking upstream.

LM Start	0.53	Rating **	M	Issue No.	71
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043555 °	38.043555 °
				-121.363955 °	-121.363955 °
DWR ID	DWR_NA0017_07_f_2016_71				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_71\_20161014\_00144.jpg



View of prunings on the landside toe of the levee.

LM Start	0.62	Rating **	M	Issue No.	74
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043506 °	38.043506 °
				-121.362316 °	-121.362316 °
DWR ID	DWR_NA0017_07_f_2016_74				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	0.99	Rating **	M	Issue No.	75
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043322 °	38.043257 °
				-121.355557 °	-121.352548 °
DWR ID	DWR_NA0017_07_f_2016_75				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.83	Rating **	C	Issue No.	85
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043261 °	38.043261 °
				-121.340136 °	-121.340136 °
DWR ID	DWR_NA0017_07_s_2016_85				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by runoff					

No Photos

**\* Location**

LS : Land Side    N/A : Not Applicable  
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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	<b>2.01</b>	Rating **	C	Issue No.	<b>35</b>
LM End	<b>2.01</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043243°	38.043243°
				-121.336780°	-121.336780°
DWR ID	DWR_NA0017_07_s_2015_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

No Photos

LM Start	<b>2.31</b>	Rating **	C	Issue No.	<b>86</b>
LM End	<b>2.31</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043196°	38.043196°
				-121.331235°	-121.331235°
DWR ID	DWR_NA0017_07_s_2016_86				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	<b>2.72</b>	Rating **	C	Issue No.	<b>87</b>
LM End	<b>2.72</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043166°	38.043166°
				-121.323879°	-121.323879°
DWR ID	DWR_NA0017_07_s_2016_87				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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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Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	3.09	Rating **	M	Issue No.	77
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043172 °	38.043080 °
				-121.316958 °	-121.312410 °
DWR ID	DWR_NA0017_07_f_2016_77				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.80	Rating **	M	Issue No.	79
LM End	4.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.049833 °	38.049833 °
				-121.289359 °	-121.289359 °
DWR ID	DWR_NA0017_07_f_2016_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_79\_20161014\_00145.jpg



View of a rodent hole on the waterside of the levee.

<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. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	5.50	Rating **	M	Issue No.	73
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052753 °	38.052753 °
				-121.277680 °	-121.277680 °
DWR ID	DWR_NA0017_07_f_2012_73				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by vehicle, and the slopes are stable.					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_73\_20160823\_00029.jpg



Slope instability was found on the landside of the levee looking upstream.

LM Start	6.60	Rating **	C	Issue No.	40
LM End	6.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.059303 °	38.059303 °
				-121.261736 °	-121.261736 °
DWR ID	DWR_NA0017_07_f_2015_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	7.23	Rating **	C	Issue No.	94
LM End	7.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.065001 °	38.065001 °
				-121.252757 °	-121.252757 °
DWR ID	DWR_NA0017_07_s_2016_94				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	9.65	Rating **	C	Issue No.	80
LM End	9.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.070458 °	38.070458 °
				-121.218596 °	-121.218596 °
DWR ID	DWR_NA0017_07_s_2012_80				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Beaver den in the waterward berm visible from the opposite bank.					

No Photos

LM Start	9.73	Rating **	N	Issue No.	45
LM End	9.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074509 °	38.074509 °
				-121.210489 °	-121.210489 °
DWR ID	DWR_NA0017_07_s_2012_45				
Comment Code					
T5 : Tree stumps.					
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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	9.76	Rating **	N	Issue No.	46
LM End	9.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074613 °	38.074613 °
				-121.209882 °	-121.209882 °
DWR ID	DWR_NA0017_07_s_2012_46				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_46\_20160823\_00017.jpg



View of tree stumps found on the landside of the levee looking upstream.

LM Start	13.03	Rating **	C	Issue No.	72
LM End	13.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.105846 °	38.105846 °
				-121.176552 °	-121.176552 °
DWR ID	DWR_NA0017_07_s_2012_72				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Shallow pit at the landward toe with nearby prunings.					

No Photos

LM Start	13.84	Rating **	C	Issue No.	100
LM End	13.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.116476 °	38.116476 °
				-121.172207 °	-121.172207 °
DWR ID	DWR_NA0017_07_s_2016_100				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	14.23	Rating **	M	Issue No.	61
LM End	14.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.121625 °	38.121625 °
				-121.169563 °	-121.169563 °
DWR ID	DWR_NA0017_07_f_2013_61				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_61\_20160823\_00026.jpg



Steps were found on the waterside slope of the levee looking downstream.

LM Start	14.35	Rating **	C	Issue No.	60
LM End	14.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.123286 °	38.123286 °
				-121.169609 °	-121.169609 °
DWR ID	DWR_NA0017_07_s_2012_60				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	15.16	Rating **	N	Issue No.	53
LM End	15.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130231°	38.130231°
				-121.158447°	-121.158447°
DWR ID	DWR_NA0017_07_s_2012_53				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_151\_53\_20160823\_00023.jpg



View of a stump in the landward slope.

<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. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>114</b>
LM End	<b>1.70</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.042971°	38.042763°	
			-121.362609°	-121.353035°	
DWR ID	DWR_NA0017_08_f_2016_114				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.30</b>	Rating **	M	Issue No.	<b>130</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.042905°	38.042905°	
			-121.360449°	-121.360449°	
DWR ID	DWR_NA0017_08_s_2016_130				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_130\_20160823\_00036.jpg



View of the steps dug into the landside slope of the levee.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	1.82	Rating **	N	Issue No.	18
LM End	1.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042751°	38.042751°
				-121.353062°	-121.353062°
DWR ID	DWR_NA0017_08_f_2012_18				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_18\_20160823\_00005.jpg



View of a tree stump that was found on the landside toe of the levee.  
The picture was taken from the crown looking towards the toe.

LM Start	2.04	Rating **	C	Issue No.	92
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042803 °	38.042803 °
				-121.346755 °	-121.346755 °
DWR ID	DWR_NA0017_08_s_2015_92				
Comment Code					
PR : Prunings					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.08	Rating **	M	Issue No.	115
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042780 °	38.042778 °
				-121.346134 °	-121.345589 °
DWR ID	DWR_NA0017_08_f_2016_115				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_115\_20161021\_00197.jpg



View of the tree limbs on the landside of the levee. Fall 2016.

LM Start	2.14	Rating **	C	Issue No.	134
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042774 °	38.042774 °
				-121.344979 °	-121.344979 °
DWR ID	DWR_NA0017_08_s_2016_134				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.15	Rating **	M	Issue No.	116
LM End	2.15	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042770°	38.042770°
				-121.344862°	-121.344862°
DWR ID	DWR_NA0017_08_f_2016_116				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_116\_20161021\_00198.jpg



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016.

LM Start	2.16	Rating **	C	Issue No.	93
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042785 °	38.042785 °
				-121.344686 °	-121.344686 °
DWR ID	DWR_NA0017_08_s_2015_93				
Comment Code					
PR : Prunings					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.20	Rating **	M	Issue No.	117
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042763 °	38.042763 °
				-121.343798 °	-121.343798 °
DWR ID	DWR_NA0017_08_f_2016_117				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_117\_20161021\_00199.jpg



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016.

LM Start	2.22	Rating **	M	Issue No.	102
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042776 °	38.042776 °
				-121.343593 °	-121.343593 °
DWR ID	DWR_NA0017_08_f_2014_102				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location.					

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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.24	Rating **	M	Issue No.	29
LM End	2.24	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042777°	38.042777°
				-121.343150°	-121.343150°
DWR ID	DWR_NA0017_08_s_2013_29				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_29\_20160823\_00010.jpg



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

LM Start	2.26	Rating **	C	Issue No.	135
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042765°	38.042765°
				-121.342854°	-121.342854°
DWR ID	DWR_NA0017_08_s_2016_135				
Comment Code					
PR : Prunings					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.36	Rating **	M	Issue No.	105
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042756 °	38.042756 °
				-121.340877 °	-121.340877 °
DWR ID	DWR_NA0017_08_f_2014_105				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_105\_20161021\_00200.jpg



View of prunings on the landside toe of the levee looking upstream.

LM Start	2.41	Rating **	N	Issue No.	40
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042751 °	38.042751 °
				-121.342119 °	-121.342119 °
DWR ID	DWR_NA0017_08_s_2012_40				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.50	Rating **	M	Issue No.	59
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042727 °	38.042736 °
				-121.338422 °	-121.337605 °
DWR ID	DWR_NA0017_08_f_2015_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.50	Rating **	N	Issue No.	12
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042749 °	38.042749 °
				-121.338402 °	-121.338402 °
DWR ID	DWR_NA0017_08_s_2012_12				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_12\_20160823\_00003.jpg



View of stumps along the landward toe looking upstream.

LM Start	2.52	Rating **	N	Issue No.	36
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042739 °	38.042739 °
				-121.340100 °	-121.340100 °
DWR ID	DWR_NA0017_08_s_2012_36				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.61	Rating **	N	Issue No.	26
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042737°	38.042737°
				-121.338447°	-121.338447°
DWR ID	DWR_NA0017_08_s_2014_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.64	Rating **	M	Issue No.	136
LM End	2.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042718 °	38.042718 °
				-121.335727 °	-121.335727 °
DWR ID	DWR_NA0017_08_s_2016_136				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_136\_20161021\_00202.jpg



View of prunings on the landside of the levee looking upstream.

LM Start	2.68	Rating **	N	Issue No.	33
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042715 °	38.042715 °
				-121.335146 °	-121.335146 °
DWR ID	DWR_NA0017_08_s_2012_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.82	Rating **	N	Issue No.	30
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042710 °	38.042710 °
				-121.334677 °	-121.334677 °
DWR ID	DWR_NA0017_08_s_2012_30				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.92	Rating **	C	Issue No.	60
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042695 °	38.042695 °
				-121.330685 °	-121.330685 °
DWR ID	DWR_NA0017_08_f_2015_60				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

**\* Location**

LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	<b>3.03</b>	Rating **	N	Issue No.	<b>137</b>
LM End	<b>3.03</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042683 °	38.042683 °
				-121.328674 °	-121.328674 °
DWR ID	DWR_NA0017_08_s_2016_137				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	<b>3.07</b>	Rating **	M	Issue No.	<b>118</b>
LM End	<b>3.07</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042662 °	38.042662 °
				-121.327981 °	-121.327981 °
DWR ID	DWR_NA0017_08_f_2016_118				
Comment Code					
PR : Prunings					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.11	Rating **	M	Issue No.	138
LM End	3.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042654 °	38.042646 °
				-121.327229 °	-121.326561 °
DWR ID	DWR_NA0017_08_s_2016_138				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_138\_20160823\_00039.jpg



View of tree limbs that were blocking the visibility and accessibility of the landside slope of the levee.

LM Start	3.19	Rating **	N	Issue No.	13
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042676 °	38.042676 °
				-121.325694 °	-121.325694 °
DWR ID	DWR_NA0017_08_s_2012_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_13\_20160823\_00004.jpg



View of a stump on the landward slope looking upstream.

**\* Location**

LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.24	Rating **	M	Issue No.	37
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042652 °	38.042652 °
				-121.326883 °	-121.326883 °
DWR ID	DWR_NA0017_08_s_2013_37				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_37\_20160823\_00011.jpg



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

LM Start	3.31	Rating **	M	Issue No.	940
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042654 °	38.042654 °
				-121.325611 °	-121.325611 °
DWR ID	DWR_NA0017_08_s_2012_940				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_940\_20160823\_00041.jpg



Monolith joint material is deteriorating at the joint of the flood wall. The picture was taken from the crown looking upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.32	Rating **	M	Issue No.	119
LM End	3.32	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042651 °	38.042651 °
				-121.323280 °	-121.323280 °
DWR ID	DWR_NA0017_08_f_2016_119				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_119\_20161021\_00203.jpg



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016.

LM Start	3.33	Rating **	C	Issue No.	41
LM End	3.33	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042643 °	38.042643 °
				-121.325208 °	-121.325208 °
DWR ID	DWR_NA0017_08_f_2013_41				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

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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# San Joaquin County Flood Control and Water Conservation District

No Photos

No Photos

View of vegetation on the waterside of the levee.

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	4.56	Rating **	C	Issue No.	27
LM End	4.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.042797 °	38.042797 °
				-121.300782 °	-121.300782 °
DWR ID	DWR_NA0017_08_s_2014_27				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Ruts on the waterside slope of the levee.					

No Photos

LM Start	4.82	Rating **	M	Issue No.	121
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043928 °	38.043928 °
				-121.296386 °	-121.296386 °
DWR ID	DWR_NA0017_08_f_2016_121				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_121\_20161021\_00205.jpg



View of an erosion due to runoff on the waterside slope of the levee.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	5.25	Rating **	M	Issue No.	68
LM End	5.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.048174 °	38.048174 °
				-121.291171 °	-121.291171 °
DWR ID	DWR_NA0017_08_f_2016_68				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_68\_20161021\_00206.jpg



View of the slope instability on landside of the levee looking downstream.

LM Start	6.13	Rating **	M	Issue No.	125
LM End	6.13	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.052180 °	38.052180 °
				-121.276697 °	-121.276697 °
DWR ID	DWR_NA0017_08_f_2016_125				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_125\_20161024\_00211.jpg



View of crown depression on the levee looking downstream. Fall 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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	6.16	Rating **	M	Issue No.	6
LM End	6.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052204°	38.052204°
				-121.276014°	-121.276014°
DWR ID	DWR_NA0017_08_s_2015_6				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_6\_20160823\_00002.jpg



View of a slope instability due to runoff on the waterside of the levee looking upstream.

LM Start	6.27	Rating **	C	Issue No.	28
LM End	6.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052499°	38.052499°
				-121.274173°	-121.274173°
DWR ID	DWR_NA0017_08_s_2015_28				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
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



# San Joaquin County Flood Control and Water Conservation District

View of crown depression on the levee.

View of an erosion due to runoff on the waterside of the levee. Fall 2016.

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	7.86	Rating **	C	Issue No.	72
LM End	7.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.064436 °	38.064436 °
				-121.251746 °	-121.251746 °
DWR ID	DWR_NA0017_08_f_2015_72				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	8.43	Rating **	M	Issue No.	126
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.066939 °	38.066939 °
				-121.242196 °	-121.242196 °
DWR ID	DWR_NA0017_08_f_2016_126				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete Debris					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_126\_20161024\_00212.jpg



View of concrete debris on the waterside of the levee. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	8.83	Rating **	M	Issue No.	73
LM End	8.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.067130°	38.067130°
				-121.234875°	-121.234875°
DWR ID	DWR_NA0017_08_f_2015_73				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Surface runoff.					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_73\_20160823\_00021.jpg



Erosion due surface runoff was found on the landside of the levee looking downstream.

LM Start	9.27	Rating **	M	Issue No.	53
LM End	9.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069527°	38.069527°
				-121.227412°	-121.227412°
DWR ID	DWR_NA0017_08_s_2015_53				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	9.42	Rating **	C	Issue No.	75
LM End	9.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.069797°	38.069797°
				-121.224693°	-121.224693°
DWR ID	DWR_NA0017_08_f_2015_75				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	9.63	Rating **	M	Issue No.	76
LM End	9.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069807 °	38.069807 °
				-121.220890 °	-121.220890 °
DWR ID	DWR_NA0017_08_f_2015_76				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_76\_20160823\_00023.jpg



A slope instability was found on the waterside of the levee looking upstream.

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	13.72	Rating **	M	Issue No.	82
LM End	13.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.107803 °	38.107803 °
				-121.173179 °	-121.173179 °
DWR ID	DWR_NA0017_08_f_2015_82				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_82\_20161024\_00213.jpg



View of debris on the landside toe of the levee. Fall 2016

LM Start	14.75	Rating **	U	Issue No.	57
LM End	14.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.122152 °	38.122152 °
				-121.169461 °	-121.169461 °
DWR ID	DWR_NA0017_08_f_2015_57				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Waterside toe erosion.					

Photo 1 of 1 : FA\_2016\_NA0017\_152\_57\_20160823\_00016.jpg



Erosion was found on the waterside toe of the levee. The picture was taken from the right bank of the levee.

<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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# San Joaquin County Flood Control and Water Conservation District

Rodent holes were found on the landside slope of the levee looking upstream.

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	15.19	Rating **	C	Issue No.	89
LM End	15.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.125818°	38.125818°	
			-121.166410°	-121.166410°	
DWR ID	DWR_NA0017_08_s_2013_89				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	15.39	Rating **	M	Issue No.	90
LM End	15.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.126830°	38.126830°	
			-121.162930°	-121.162930°	
DWR ID	DWR_NA0017_08_s_2014_90				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.12	Rating **	A	Issue No.	5
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094042°	38.094042°
				-121.174696°	-121.174696°
DWR ID	DWR_NA0017_09_f_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA\_2016\_NA0017\_153\_5\_20161024\_00013.jpg



View of the waterside slope of the levee. Fall 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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/18/2016 10/18/2016	Pavel Kazi

LM Start		Rating **		Issue No.	
LM End		Issue Type +	--	Location *	
Category			GPS Latitude/Longitude		
			Start		End
Item				°	
				°	
DWR ID					
Comment Code					
Inspector Comment					
No issues were reported.					

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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/19/2016 10/19/2016	Pavel Kazi

LM Start	3.35	Rating **	M	Issue No.	20
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.129353 °	38.129353 °
				-121.139408 °	-121.139408 °
DWR ID	DWR_NA0017_11_f _ 2016_20				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_155\_20\_20161024\_00050.jpg



View of debris on the landside of the levee. Fall 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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	0.17	Rating **	A	Issue No.	27	
LM End	0.17	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.097440°		38.097440°
				-121.168760°		-121.168760°
DWR ID	DWR_NA0017_12_f_2016_27					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Acceptable vegetation.						

Photo 1 of 1 : FA\_2016\_NA0017\_156\_27\_20161024\_00054.jpg



View of the waterside slope of the levee. Fall 2016.

LM Start	2.22	Rating **	C	Issue No.	9
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.117784°	38.117784°
				-121.149763°	-121.149763°
DWR ID	DWR_NA0017_12_s_2014_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	<b>2.25</b>	Rating **	C	Issue No.	<b>11</b>
LM End	<b>2.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.117807°	38.117807°	
			-121.149233°	-121.149233°	
DWR ID	DWR_NA0017_12_s_2014_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.53</b>	Rating **	M	Issue No.	<b>26</b>
LM End	<b>2.53</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.121296°	38.121296°	
			-121.146643°	-121.146643°	
DWR ID	DWR_NA0017_12_f_2015_26				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	<b>2.63</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>2.63</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.121695°	38.121695°	
			-121.145079°	-121.145079°	
DWR ID	DWR_NA0017_12_f_2016_20				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_156\_20\_20161024\_00056.jpg



View of an erosion on the waterside shoulder of the levee. Fall 2016

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	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	



**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	3.14	Rating **	M	Issue No.	31
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127390°	38.127390°
				-121.141197°	-121.141197°
DWR ID	DWR_NA0017_12_s_2016_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_156\_31\_20161024\_00058.jpg



Updated picture of the erosion on the waterside shoulder of the levee.  
Fall 2016

LM Start	<b>3.14</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>3.14</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_156\_31\_20160823\_00013.jpg



View of an erosion on the waterside shoulder of the levee.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	3.46	Rating **	M	Issue No.	24
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.131140°	38.131140°
				-121.138541°	-121.138541°
DWR ID	DWR_NA0017_12_f_2012_24				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_156\_24\_20160823\_00011.jpg



Updated picture of the erosion on the waterside of the levee during spring 2016 inspection.

LM Start	<b>3.46</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>3.46</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_156\_24\_20160823\_00012.jpg



View of the erosion on the waterside of the levee during fall 2015 inspection.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.13	Rating **	A	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109437°	38.109437°
				-121.158060°	-121.158060°
DWR ID	DWR_NA0017_13_f_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation					

Photo 1 of 1 : FA\_2016\_NA0017\_157\_5\_20161024\_00009.jpg



View of the waterside slope of the levee. Fall 2016

LM Start	1.02	Rating **	C	Issue No.	8
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.110906 °	38.110906 °
				-121.144116 °	-121.144116 °
DWR ID	DWR_NA0017_13_f_2014_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	1.21	Rating **	C	Issue No.	7
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111513°	38.111513°
				-121.141216°	-121.141216°
DWR ID	DWR_NA0017_13_f_2014_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	14
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.109866 °	38.109866 °
				-121.153096 °	-121.153096 °
DWR ID	DWR_NA0017_14_f_2015_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_158\_14\_20160823\_00008.jpg



Rodent holes were found on the waterside slope of the levee looking upstream.

LM Start	0.60	Rating **	C	Issue No.	5
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111770 °	38.111770 °
				-121.150112 °	-121.150112 °
DWR ID	DWR_NA0017_14_s_2012_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.60	Rating **	C	Issue No.	4
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.111774 °	38.111774 °
				-121.150073 °	-121.150073 °
DWR ID	DWR_NA0017_14_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	0.64	Rating **	M	Issue No.	1
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.112050 °	38.112050 °
				-121.149524 °	-121.149524 °
DWR ID	DWR_NA0017_14_s_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_158\_1\_20161024\_00038.jpg



Updated picture of the rodent holes on the waterside of the levee. Fall 2016

LM Start	<b>0.64</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.64</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_158\_1\_20160823\_00001.jpg



View of rodent holes in the waterward berm looking downstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	<b>0.72</b>	Rating **	C	Issue No.	<b>3</b>
LM End	<b>0.72</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111851°	38.111851°
				-121.148358°	-121.148358°
DWR ID	DWR_NA0017_14_s_2012_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.81</b>	Rating **	C	Issue No.	<b>2</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.110628°	38.110628°
				-121.147429°	-121.147429°
DWR ID	DWR_NA0017_14_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.96	Rating **	M	Issue No.	20
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.110896 °	38.110896 °
				-121.144791 °	-121.144791 °
DWR ID	DWR_NA0017_14_f _ 2016_20				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_158\_20\_20161024\_00040.jpg



View of the erosion on the waterside of the levee. Fall 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 - Fall 2016

### San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	0.00	Rating **	A/W	Issue No.	1155
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			0.000000 °	0.000000 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s_2014_1155				
Comment Code					
Inspector Comment					
This is the Upper Calaveras river channel. No levee exists.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_1155\_20160823\_00172.jpg



View of the dam at the starting of the Mormon slough.

LM Start	0.39	Rating **	M	Issue No.	7
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.045818 °	38.045818 °
				-121.023955 °	-121.023955 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change has been observed.					
09/12/2013: No significant change observed.					
08/22/2012: Site has been revisited. No significant change observed.					
09/02/2011: No significant change observed on site.					
11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.					
08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion."					
8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U".					
2007: Visited site 02/06/2007; possible critical site. [2016 Site ID:NA0017U15RM22.91]					

Photo 1 of 2 : SJR2016\_NA0017U15RM22.91\_2.jpg



Close view of the erosion. Note the dense vegetation and trees on site.

**\* Location**

LS : Land Side    N/A : Not Applicable  
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

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	7 (cont)
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.045818 °	38.045818 °
				-121.023955 °	-121.023955 °
DWR ID					

Comment Code

[illegible]

Inspector Comment
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08/16/2016: No significant change observed.  
08/12/2015: No significant change observed.  
08/20/2014: No significant change has been observed.  
09/12/2013: No significant change observed.  
08/22/2012: Site has been revisited. No significant change observed.  
09/02/2011: No significant change observed on site.  
11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.  
08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion."  
8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U".  
2007: Visited site 02/06/2007; possible critical site. [2016 Site ID:NA0017U15RM22.91]

LM Start	1.23	Rating **	M	Issue No.	190
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.041093 °	38.041093 °
				-121.028036 °	-121.028036 °

DWR ID	DWR_NA0017_15_f_2016_190
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Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment	
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A photograph showing a natural landscape. In the foreground, there is a dense, rounded green shrub on the left and a large, dry, yellowish-brown grassy area on the right. In the background, a dark body of water is visible under a bright sky.

Looking down at the site.

A wide, unpaved dirt road stretches into the distance under a clear blue sky. The road is flanked by dry, scrubby vegetation and utility poles with power lines. A date stamp '10/29/2016' is visible in the bottom right corner.

View of crown depression on the levee. Fall 2016

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	1.45	Rating **	N	Issue No.	1128
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.040188 °	38.040188 °
				-121.031854 °	-121.031854 °
DWR ID	DWR_NA0017_15_s_2012_1128				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.49	Rating **	M	Issue No.	995
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.040202 °	38.040202 °
				-121.032659 °	-121.032659 °
DWR ID	DWR_NA0017_15_s_2012_995				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The LMA was working on fixing the erosion site using an excavator during the inspection.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_995\_20160823\_00154.jpg



View of erosion of waterward levee slope looking upstream.

LM Start	1.86	Rating **	C	Issue No.	119
LM End	1.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.038472 °	38.038472 °
				-121.038966 °	-121.038966 °
DWR ID	DWR_NA0017_15_f_2015_119				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The hole could possibly be for a survey marker.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	1.92	Rating **	M	Issue No.	120
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.037919 °	38.037919 °
				-121.039749 °	-121.039749 °
DWR ID	DWR_NA0017_15_f_2015_120				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
It was caused by runoff.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_120\_20160823\_00104.jpg



A slope instability possible cause by runoff on the landside of the levee looking upstream.

LM Start	2.02	Rating **	C	Issue No.	123
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.036724 °	38.036724 °
				-121.040795 °	-121.040795 °
DWR ID	DWR_NA0017_15_f_2015_123				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	2.05	Rating **	M	Issue No.	18
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.036294 °	38.036294 °
				-121.041089 °	-121.041089 °
DWR ID	DWR_NA0017_15_s_2012_18				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_159\_18\_20160823\_00026.jpg



Updated picture of the slope instability at the waterside slope of the levee looking upstream.

LM Start	<b>2.05</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_159\_18\_20160823\_00027.jpg



Slope instability was found on the waterside toe of the levee looking downstream.

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	2.35	Rating **	N	Issue No.	191
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.033208 °	38.033208 °
				-121.044796 °	-121.044796 °
DWR ID	DWR_NA0017_15_f_2016_191				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.60	Rating **	C	Issue No.	5
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.030561 °	38.030561 °
				-121.047958 °	-121.047958 °
DWR ID	DWR_NA0017_15_s_2016_5				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.71	Rating **	C	Issue No.	9
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.029468 °	38.029468 °
				-121.049390 °	-121.049390 °
DWR ID	DWR_NA0017_15_s_2016_9				
Comment Code					
PR : Prunings					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	2.71	Rating **	M	Issue No.	27
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.029385 °	38.029385 °
				-121.049528 °	-121.049528 °
DWR ID	DWR_NA0017_15_f_2016_27				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_27\_20161024\_00311.jpg



View of slope instability on the landside toe of the levee looking downstream. Fall 2016

LM Start	2.82	Rating **	C	Issue No.	127
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.028405 °	38.028405 °
				-121.051062 °	-121.051062 °
DWR ID	DWR_NA0017_15_f_2015_127				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	<b>2.87</b>	Rating **	C	Issue No.	<b>213</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.027992°	38.027992°	
			-121.051762°	-121.051762°	
DWR ID	DWR_NA0017_15_s_2016_213				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.89</b>	Rating **	C	Issue No.	<b>214</b>
LM End	<b>2.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.027810°	38.027810°	
			-121.052085°	-121.052085°	
DWR ID	DWR_NA0017_15_s_2016_214				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole was recently filled up but not grouted.					

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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.34	Rating **	M	Issue No.	12
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.023817 °	38.023817 °
				-121.058465 °	-121.058465 °
DWR ID	DWR_NA0017_15_s_2012_12				
Comment Code					
PR : Prunings					
Inspector Comment					
Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_12\_20160823\_00019.jpg



New material was placed at the toe of the landside of the levee. The picture was taken from the crown looking downstream.

LM Start	3.34	Rating **	C	Issue No.	130
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.023804 °	38.023804 °
				-121.058480 °	-121.058480 °
DWR ID	DWR_NA0017_15_f_2015_130				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.50	Rating **	M	Issue No.	217
LM End	3.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.022139 °	38.022139 °
				-121.060661 °	-121.060661 °
DWR ID	DWR_NA0017_15_s_2016_217				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.55	Rating **	M	Issue No.	218
LM End	3.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.021701 °	38.021701 °
				-121.061178 °	-121.061178 °
DWR ID	DWR_NA0017_15_s_2016_218				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_218\_20160823\_00145.jpg



View of rodent holes on the waterside of the levee looking upstream.

<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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# San Joaquin County Flood Control and Water Conservation District

**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.89	Rating **	M	Issue No.	44 (cont)	
LM End	3.89	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.017945°		38.017945°
				-121.065295°		-121.065295°
DWR ID	DWR_NA0017_15_f_2012_44					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : FA\_2016\_NA0017\_159\_44\_20160823\_00062.jpg



Updated picture of the slope instability on the waterside slope of the levee looking upstream. This picture was taken during fall 2014 inspection.

LM Start	3.93	Rating **	M	Issue No.	195
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.017466 °	38.017466 °
				-121.065793 °	-121.065793 °
DWR ID	DWR_NA0017_15_f_2016_195				
Comment Code					
PR : Prunings					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.13	Rating **	C	Issue No.	219
LM End	4.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.015008 °	38.015008 °
				-121.067477 °	-121.067477 °
DWR ID	DWR_NA0017_15_s_2016_219				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.20	Rating **	M	Issue No.	19
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.014025 °	38.014025 °
				-121.067983 °	-121.067983 °
DWR ID	DWR_NA0017_15_s_2012_19				
Comment Code					
PR : Prunings					
Inspector Comment					
Burn pile has been burned but new material has been placed.					

Photo 1 of 2 : FA\_2016\_NA0017\_159\_19\_20160823\_00028.jpg



Updated picture of the prunings pile on the landside of the levee looking downstream during fall 2013 inspection.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.31	Rating **	C	Issue No.	209
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.012474 °	38.012474 °
				-121.068144 °	-121.068144 °
DWR ID	DWR_NA0017_15_s_2015_209				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
It was started from rodent holes.					

No Photos

LM Start	4.51	Rating **	M	Issue No.	133
LM End	4.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.009753 °	38.009753 °
				-121.069559 °	-121.069559 °
DWR ID	DWR_NA0017_15_f_2015_133				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_159\_133\_20160823\_00109.jpg



Updated view of the erosion on the waterside shoulder during spring 2016 inspection.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.51	Rating **	M	Issue No.	133 (cont)	
LM End	4.51	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.009753 °	38.009753 °	
				-121.069559 °	-121.069559 °	
DWR ID	DWR_NA0017_15_f_2015_133					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : FA\_2016\_NA0017\_159\_133\_20160823\_00110.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

LM Start	4.63	Rating **	M	Issue No.	96
LM End	4.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.008053 °	38.008053 °
				-121.070141 °	-121.070141 °
DWR ID	DWR_NA0017_15_s_2012_96				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
LMA has fixed the issue but the riprap has rebar which can be dangerous during a flood fighting effort.					

Photo 1 of 3 : FA\_2016\_NA0017\_159\_96\_20160823\_00090.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during spring 2013 inspection.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.63	Rating **	M	Issue No.	96 (cont)	
LM End	4.63	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.008053 °		38.008053 °
				-121.070141 °		-121.070141 °
DWR ID	DWR_NA0017_15_s_2012_96					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
LMA has fixed the issue but the riprap has rebar which can be dangerous during a flood fighting effort.						

Photo 2 of 3 : FA\_2016\_NA0017\_159\_96\_20160823\_00091.jpg



The LMA has fixed the erosion on the landside slope of the levee but the riprap contains exposed rebar which could be dangerous during a flood fight.

LM Start	<b>4.63</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>4.63</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2016\_NA0017\_159\_96\_20160823\_00092.jpg



Erosion was found on the waterside slope of the levee looking downstream.

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	6.61	Rating **	A/W	Issue No.	79
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.984518 °	37.983260 °
				-121.090267 °	-121.092022 °
DWR ID	DWR_NA0017_15_s_2012_79				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Farmer tilling & driving onto levee, causing erosion.					

No Photos

LM Start	6.67	Rating **	A/W	Issue No.	140
LM End	6.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983817 °	37.983817 °
				-121.091141 °	-121.091141 °
DWR ID	DWR_NA0017_15_f_2015_140				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given as A/W.					

Photo 1 of 2 : FA\_2016\_NA0017\_159\_140\_20161024\_00314.jpg



Updated picture of the rodent holes on the landside of the levee. Fall 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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	6.67	Rating **	A/W	Issue No.	140 (cont)	
LM End	6.67	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.983817 °		37.983817 °
				-121.091141 °		-121.091141 °
DWR ID	DWR_NA0017_15_f_2015_140					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
This portion of the levee is non-project. Therefore, the rating was given as A/W.						

Photo 2 of 2 : FA\_2016\_NA0017\_159\_140\_20160823\_00113.jpg



Rodent holes were found on the landside shoulder of the levee looking downstream.

LM Start	6.68	Rating **	C	Issue No.	139
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983817 °	37.983817 °
				-121.091142 °	-121.091142 °
DWR ID	DWR_NA0017_15_f_2015_139				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	6.96	Rating **	M	Issue No.	115
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981387°	37.979749°
				-121.095370°	-121.099178°
DWR ID	DWR_NA0017_15_s_2014_115				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees branches were obstructing the access/patrol road.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_115\_20160823\_00102.jpg



Tree limbs were obstructing the visibility of the crown of the levee looking downstream.

LM Start	7.21	Rating **	C	Issue No.	102
LM End	7.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.979612 °	37.979612 °
				-121.099390 °	-121.099390 °
DWR ID	DWR_NA0017_15_s_2012_102				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	9.82	Rating **	C	Issue No.	151
LM End	9.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.965369 °	37.965369 °
				-121.140559 °	-121.140559 °
DWR ID	DWR_NA0017_15_f_2015_151				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	9.83	Rating **	A/W	Issue No.	126
LM End	9.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.965343 °	37.965343 °
				-121.140761 °	-121.140761 °
DWR ID	DWR_NA0017_15_s_2014_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given as A/W.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_126\_20160823\_00107.jpg



View of rodent holes on the waterside of the levee looking upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	14.59	Rating **	M	Issue No.	201
LM End	14.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.970281°	37.970281°
				-121.221683°	-121.221683°
DWR ID	DWR_NA0017_15_f_2016_201				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_201\_20161024\_00320.jpg



View of a rodent hole on the waterside toe of the levee. Fall 2016

LM Start	14.69	Rating **	M	Issue No.	203
LM End	14.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.971035 °	37.971035 °
				-121.223197 °	-121.223197 °
DWR ID	DWR_NA0017_15_f_2016_203				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	15.04	Rating **	M	Issue No.	180
LM End	15.04	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.973416 °	37.973416 °
				-121.228922 °	-121.228922 °
DWR ID	DWR_NA0017_15_f_2014_180				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_180\_20160823\_00130.jpg



The monolith joint is deteriorating on the waterside shoulder of the levee.

LM Start	15.37	Rating **	M	Issue No.	154
LM End	15.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975671 °	37.975671 °
				-121.234277 °	-121.234277 °
DWR ID	DWR_NA0017_15_f_2015_154				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_154\_20161028\_00321.jpg



View of rodent holes on the landside of the levee. Fall 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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# San Joaquin County Flood Control and Water Conservation District

View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016

Page 33 of 48

**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	15.42	Rating **	M	Issue No.	32
LM End	15.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975959 °	37.975959 °
				-121.235058 °	-121.235058 °
DWR ID	DWR_NA0017_15_s_2014_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_159\_32\_20160823\_00046.jpg



Updated picture of the rodent hole on the landside of the levee during spring 2015 inspection.

LM Start	15.42	Rating **	M	Issue No.	32 (cont)
LM End	15.42	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2016\_NA0017\_159\_32\_20160823\_00047.jpg



A rodent hole was found on the landside of the levee looking downstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	15.43	Rating **	M	Issue No.	71
LM End	15.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976000 °	37.976000 °
				-121.235156 °	-121.235156 °
DWR ID	DWR_NA0017_15_s_2013_71				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent control program has been in place.					

Photo 1 of 2 : FA\_2016\_NA0017\_159\_71\_20161028\_00323.jpg



Updated picture of the rodent holes on the landside shoulder of the levee. Fall 2016

LM Start	<b>15.43</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>15.43</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2016\_NA0017\_159\_71\_20160823\_00080.jpg



Updated picture of the rodent holes on the landside of the levee looking downstream during fall 2015 inspection.

**\* Location**

LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	<b>15.75</b>	Rating **	M	Issue No.	<b>205</b>
LM End	<b>15.75</b>	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		37.978253 °	37.978253 °	
			-121.240391 °	-121.240391 °	
DWR ID	DWR_NA0017_15_f_2016_205				
Comment Code					
Inspector Comment					

No Photos

LM Start	<b>15.79</b>	Rating **	M	Issue No.	<b>196</b>
LM End	<b>15.79</b>	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		37.978513 °	37.978513 °	
			-121.240984 °	-121.240984 °	
DWR ID	DWR_NA0017_15_s_2015_196				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	16.14	Rating **	M	Issue No.	198
LM End	16.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.980961 °	37.980961 °
				-121.246553 °	-121.246553 °
DWR ID	DWR_NA0017_15_s_2015_198				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_198\_20160823\_00136.jpg



View of slope instability due to runoff on the landside of the levee looking upstream.

LM Start	16.20	Rating **	M	Issue No.	86	
LM End	16.20	Issue Type +	Ma	Location *	WS	
Category	Concrete Floodwalls			GPS Latitude/Longitude		
				Start		End
Item	Monolith Joints			37.981363 °		37.981363 °
				-121.247601 °		-121.247601 °
DWR ID	DWR_NA0017_15_f_2013_86					
Comment Code						
Inspector Comment						
The monolith joint material is deteriorating at this location of the flood wall.						

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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	16.26	Rating **	M	Issue No.	197
LM End	16.26	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981770 °	37.981770 °
				-121.248521 °	-121.248521 °
DWR ID	DWR_NA0017_15_s_2015_197				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_197\_20161028\_00324.jpg



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016

LM Start	16.26	Rating **	C	Issue No.	184
LM End	16.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981800 °	37.981800 °
				-121.248545 °	-121.248545 °
DWR ID	DWR_NA0017_15_f_2014_184				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Surface runoff.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	16.56	Rating **	M	Issue No.	93
LM End	16.56	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.983744 °	37.983744 °
				-121.253211 °	-121.253211 °
DWR ID	DWR_NA0017_15_s_2013_93				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_93\_20160823\_00088.jpg



The monolith joint material is deteriorating at the waterside shoulder of the levee looking downstream.

LM Start	16.56	Rating **	M	Issue No.	158
LM End	16.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.983784°	37.983784°
				-121.253304°	-121.253304°
DWR ID	DWR_NA0017_15_f_2016_158				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	17.11	Rating **	M	Issue No.	210
LM End	17.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.987521°	37.987521°
				-121.262115°	-121.262115°
DWR ID	DWR_NA0017_15_f_2016_210				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_210\_20161028\_00325.jpg



View of debris on the waterside slope of the levee. Fall 2016

LM Start	17.47	Rating **	M	Issue No.	211
LM End	17.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.989976 °	37.989976 °
				-121.267934 °	-121.267934 °
DWR ID	DWR_NA0017_15_f_2016_211				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_211\_20161028\_00326.jpg



View of the debris on the landside of the levee.

LM Start	17.65	Rating **	M	Issue No.	212
LM End	17.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.991012 °	37.991012 °
				-121.270809 °	-121.270809 °
DWR ID	DWR_NA0017_15_f_2016_212				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	17.76	Rating **	M	Issue No.	220
LM End	17.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.991916 °	37.991916 °
				-121.272487 °	-121.272487 °
DWR ID	DWR_NA0017_15_f_2016_220				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	19.98	Rating **	M	Issue No.	206
LM End	19.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993639 °	37.993639 °
				-121.285925 °	-121.285925 °
DWR ID	DWR_NA0017_15_s_2016_206				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_206\_20161028\_00327.jpg



View of debris and prunings on the landside of the levee.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	19.99	Rating **	N	Issue No.	103
LM End	19.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.993578°	37.993578°
				-121.286165°	-121.286165°
DWR ID	DWR_NA0017_15_f_2013_103				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	20.82	Rating **	M	Issue No.	222
LM End	20.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.991998 °	37.991998 °
				-121.300859 °	-121.300859 °
DWR ID	DWR_NA0017_15_f_2016_222				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_222\_20161028\_00330.jpg



View of slope instability due to foot traffic on the landside of the levee.  
Fall 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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	21.25	Rating **	M	Issue No.	172
LM End	21.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.988969 °	37.988969 °
				-121.307009 °	-121.307009 °
DWR ID	DWR_NA0017_15_f_2015_172				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_172\_20160823\_00127.jpg



Erosion was found on the landside of the levee looking downstream.

LM Start	21.26	Rating **	M	Issue No.	221
LM End	21.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.988897 °	37.988897 °
				-121.307064 °	-121.307064 °
DWR ID	DWR_NA0017_15_f_2016_221				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_221\_20161028\_00328.jpg



View of the slope instability on the landside shoulder of the levee. Fall 2016

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	21.96	Rating **	M	Issue No.	173
LM End	21.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981147°	37.981147°
				-121.315071°	-121.315071°
DWR ID	DWR_NA0017_15_s_2012_173				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff.					

Photo 1 of 2 : FA\_2016\_NA0017\_159\_173\_20161024\_00308.jpg



Updated picture of erosion due to runoff on the landside slope of the levee during fall 2016 inspection.

LM Start	<b>21.96</b>	Rating **	M	Issue No.	<b>173 (cont)</b>
LM End	<b>21.96</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2016\_NA0017\_159\_173\_20160823\_00128.jpg



View of the erosion caused by run off on the landside slope of the levee looking downstream during fall 2015 inspection.

**\* Location**

LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	22.88	Rating **	M	Issue No.	185
LM End	22.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981278 °	37.981278 °
				-121.330566 °	-121.330566 °
DWR ID	DWR_NA0017_15_f_2016_185				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_185\_20161024\_00307.jpg



View of an erosion due to runoff on the landside of the levee. Fall 2016

LM Start	23.10	Rating **	M	Issue No.	183
LM End	23.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980874 °	37.980874 °
				-121.334575 °	-121.334575 °
DWR ID	DWR_NA0017_15_f_2016_183				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	23.55	Rating **	A/W	Issue No.	223
LM End	23.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.979282 °	37.979282 °
				-121.341686 °	-121.341686 °
DWR ID	DWR_NA0017_15_f_2016_223				
Comment Code					
Inspector Comment					
Wrong revetment size was placed by Caltrans in Fall 2012 under permit #18562. An NOV was issued to Caltrans. They repaired the left bank, but have not repaired the right bank of the levee. The LMA contacted Caltrans regarding this issue, but they have not complied with the request.					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_223\_20161028\_00332.jpg



View of deteriorating revetments on the waterside toe of the levee. The picture was taken from the opposite side of the levee. Fall 2016

LM Start	23.84	Rating **	N	Issue No.	176
LM End	23.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.976483°	37.976483°
				-121.345756°	-121.345756°
DWR ID	DWR_NA0017_15_s_2012_176				
Comment Code					
T5 : Tree stumps.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	24.00	Rating **	A	Issue No.	187
LM End	24.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.974858 °	37.974858 °
				-121.347718 °	-121.347718 °
DWR ID	DWR_NA0017_15_f_2012_187				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_187\_20160823\_00132.jpg



Revetment was placed by the LMA on the waterside slope of the levee looking downstream.

LM Start	24.65	Rating **	A	Issue No.	188
LM End	24.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.969095 °	37.969095 °
				-121.356301 °	-121.356301 °
DWR ID	DWR_NA0017_15_f_2012_188				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_188\_20160823\_00133.jpg



Revetments were placed by the LMA on the waterside slope of the levee looking downstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	24.81	Rating **	A/W	Issue No.	189
LM End	24.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.967943 °	37.967943 °
				-121.358711 °	-121.358711 °
DWR ID	DWR_NA0017_15_f_2012_189				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_159\_189\_20160823\_00134.jpg



Revetments were placed by the LMA on the waterside slope of the levee looking downstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	0.11	Rating **	U	Issue No.	269 (cont)
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.048159°	38.048159°
				-121.016427°	-121.016427°
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: The erosion site was found progressed with signs of bank slipping.  
 08/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion.  
 08/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height.  
 09/12/2013: Site has been visited and signs of new erosion are visible.  
 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM23.35]

LM Start	<b>0.11</b>	Rating **	U	Issue No.	<b>269 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM23.35\_3.jpg



Close view of the erosion.

Photo 3 of 3 : SJR2016\_NA0017U16RM23.35\_4.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	0.69	Rating **	N	Issue No.	216
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.045531 °	38.045531 °
				-121.022881 °	-121.022881 °
DWR ID	DWR_NA0017_16_s_2012_216				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.93	Rating **	U	Issue No.	267
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.042833 °	38.042833 °
				-121.025776 °	-121.025776 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2016 Site ID:NA0017U16RM22.74]					

Photo 1 of 2 : SJR2016\_NA0017U16RM22.74\_1.jpg



View of the site from right river bank.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.12	Rating **	U	Issue No.	266 (cont)
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.040757°	38.040757°
				-121.027786°	-121.027786°
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.58]					

Photo 2 of 2 : SJR2016\_NA0017U16RM22.58\_3.jpg



Front view of the erosion and broken concrete protection on the levee slope.

LM Start	1.38	Rating **	C	Issue No.	232
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.039618 °	38.039618 °
				-121.032266 °	-121.032266 °
DWR ID	DWR_NA0017_16_f_2015_232				
Comment Code					
PR : Prunings					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.75	Rating **	M	Issue No.	258 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038080°	38.038080°
				-121.038676°	-121.038676°
DWR ID					

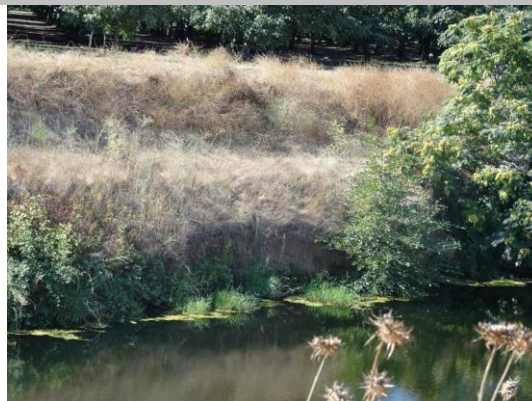
**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.95]

LM Start	<b>1.75</b>	Rating **	M	Issue No.	<b>258 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM21.95\_2.jpg



Close view of the erosion.

Photo 3 of 3 : SJR2016\_NA0017U16RM21.95\_3.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.75	Rating **	U	Issue No.	261
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039110°	38.039110°
				-121.037840°	-121.037840°
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.01]

LM Start	<b>1.75</b>	Rating **	U	Issue No.	<b>261 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016\_NA0017U16RM22.01\_1.jpg



Front view of the erosion site from the left river bank.

Photo 2 of 3 : SJR2016\_NA0017U16RM22.01\_2.jpg



Front view of the pocket erosion covered by dense vegetation.

**\* Location**

LS : Land Side    N/A : Not Applicable  
 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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

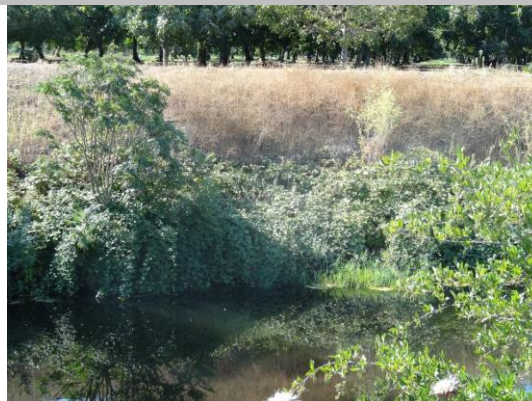
LM Start	1.75	Rating **	U	Issue No.	261 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039110 °	38.039110 °
				-121.037840 °	-121.037840 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
08/12/2015: No significant change observed.  
08/20/2014: No significant change observed.  
09/12/2013: No significant change observed.  
08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.01]

Photo 3 of 3 : SJR2016\_NA0017U16RM22.01\_4.jpg



Close view of the erosion.

LM Start	1.77	Rating **	M	Issue No.	109
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037906 °	38.037906 °
				-121.038949 °	-121.038949 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
08/12/2015: No significant change observed.  
08/20/2014: No significant change observed.  
09/12/2013: No significant change observed.  
08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.94]

Photo 1 of 3 : SJR2016\_NA0017U16RM21.94\_1.jpg



Looking at the erosion from right river bank.

**\* Location**

LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.77	Rating **	M	Issue No.	109 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037906 °	38.037906 °
				-121.038949 °	-121.038949 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.  
 [2016 Site ID:NA0017U16RM21.94]

LM Start	<b>1.77</b>	Rating **	M	Issue No.	<b>109 (cont)</b>
LM End	<b>1.78</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM21.94\_2.jpg



Front view of the erosion.

Photo 3 of 3 : SJR2016\_NA0017U16RM21.94\_3.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.88	Rating **	M	Issue No.	106
LM End	1.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.036549 °	38.036549 °
				-121.040302 °	-121.040302 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.05]					

Photo 1 of 3 : SJR2016\_NA0017U16RM21.05\_1.jpg



Front view of the erosion

LM Start	<b>1.88</b>	Rating **	M	Issue No.	<b>106 (cont)</b>
LM End	<b>1.90</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM21.05\_3.jpg



Front view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.88	Rating **	M	Issue No.	106 (cont)	
LM End	1.90	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.036549 °		38.036549 °
				-121.040302 °		-121.040302 °
DWR ID						
Comment Code						
Inspector Comment						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.05]						

Photo 3 of 3 : SJR2016\_NA0017U16RM21.05\_4.jpg



Close view of the erosion.

LM Start	1.91	Rating **	A/W	Issue No.	155
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.036248 °	38.036248 °
				-121.040408 °	-121.040408 °
DWR ID	DWR_NA0017_16_f_2013_155				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_155\_20160823\_00116.jpg



Erosion was found on the waterside of the levee looking downstream.

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.30	Rating **	M	Issue No.	104
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.033072°	38.033072°
				-121.044970°	-121.044970°
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM20.71]

LM Start	<b>2.30</b>	Rating **	M	Issue No.	<b>104 (cont)</b>
LM End	<b>2.31</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016\_NA0017U16RM20.71\_1.jpg



Front view of the site.

Photo 2 of 3 : SJR2016\_NA0017U16RM20.71\_3.jpg



Closer view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.30	Rating **	M	Issue No.	104 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.033072 °	38.033072 °
				-121.044970 °	-121.044970 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM20.71]					

Photo 3 of 3 : SJR2016\_NA0017U16RM20.71\_4.jpg



Close view of the site.

LM Start	2.35	Rating **	A/W	Issue No.	213
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.031763 °	38.031763 °
				-121.045808 °	-121.045808 °
DWR ID	DWR_NA0017_16_f_2012_213				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_213\_20160823\_00133.jpg



Updated picture of the slope instability on the waterside shoulder of the levee looking upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.35	Rating **	A/W	Issue No.	213 (cont)	
LM End	2.35	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.031763 °		38.031763 °
				-121.045808 °		-121.045808 °
DWR ID	DWR_NA0017_16_f_2012_213					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : FA\_2016\_NA0017\_160\_213\_20160823\_00134.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	2.36	Rating **	C	Issue No.	233
LM End	2.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.031654 °	38.031654 °
				-121.045925 °	-121.045925 °
DWR ID	DWR_NA0017_16_f_2015_233				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.38	Rating **	C	Issue No.	234
LM End	2.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.031361 °	38.031361 °
				-121.046214 °	-121.046214 °
DWR ID	DWR_NA0017_16_f_2015_234				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	2.85	Rating **	U	Issue No.	80	
LM End	2.91	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.026670 °	38.026670 °	
				-121.053031 °	-121.053031 °	
DWR ID						
Comment Code						
Inspector Comment						
08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Site Comprised of series of pocket and scarp erosions. Some of erosions are covered by grass or shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM20]						

Photo 1 of 3 : SJR2016\_NA0017U16RM20\_1.jpg



Front view of the erosion.

<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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# San Joaquin County Flood Control and Water Conservation District

Close view of the scarp erosion. Note the small tree at the erosion site.

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# San Joaquin County Flood Control and Water Conservation District

View of the debris on the crown of the levee. Fall 2016

Arundo was found on the waterside toe of the levee looking upstream.

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	3.53	Rating **	A/W	Issue No.	230
LM End	3.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.020433 °	38.020433 °
				-121.061867 °	-121.061867 °
DWR ID	DWR_NA0017_16_f_2012_230				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_230\_20160823\_00138.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	<b>3.53</b>	Rating **	A/W	Issue No.	<b>230 (cont)</b>
LM End	<b>3.53</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_160\_230\_20160823\_00139.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	3.61	Rating **	M	Issue No.	76
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.019642 °	38.019642 °
				-121.062917 °	-121.062917 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: A pocket erosion was found near the water's edge. [2016					
Site ID:NA0017U16RM19.29]					

Photo 1 of 3 : SJR2016\_NA0017U16RM19.29\_1.jpg



View of the site from right river bank.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	3.61	Rating **	M	Issue No.	76 (cont)	
LM End	3.61	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.019642 °		38.019642 °
				-121.062917 °		-121.062917 °
DWR ID						
Comment Code						
Inspector Comment						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: A pocket erosion was found near the water's edge. [2016						
Site ID:NA0017U16RM19.29]						

Photo 2 of 3 : SJR2016\_NA0017U16RM19.29\_2.jpg



Close view of the erosion.

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2016\_NA0017U16RM19.29\_4.jpg



Front view of the site.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	3.68	Rating **	C	Issue No.	75
LM End	3.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.018902 °	38.018902 °
				-121.063658 °	-121.063658 °
DWR ID					

No Photos

Comment Code					
Inspector Comment					
08/16/2016: No significant change observed. 08/12/2015: No significant change observed. Slightly more vegetation is observed at the site. 08/20/2014: No significant change observed. 09/12/2013: This site has been repaired prior to this survey, but new erosion has developed immediately downstream of the site. 08/22/2012: Tow large-size pocket erosions. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM19.28]					

LM Start	3.78	Rating **	M	Issue No.	70
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.017715 °	38.017715 °
				-121.065011 °	-121.065011 °
DWR ID					

Comment Code					
Inspector Comment					
08/16/2016: No significant change observed at the erosion. More vegetation observed at the site. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM19.18]					

Photo 1 of 3 : SJR2016\_NA0017U16RM19.18\_1.jpg



View of the site from right river bank, upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	3.78	Rating **	M	Issue No.	70 (cont)
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.017715 °	38.017715 °
				-121.065011 °	-121.065011 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed at the erosion. More vegetation observed at the site.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM19.18]

LM Start	<b>3.78</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM19.18\_3.jpg



Front view of the erosion at the berm.

Photo 3 of 3 : SJR2016\_NA0017U16RM19.18\_4.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.16	Rating **	U	Issue No.	66
LM End	4.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.012792 °	38.012792 °
				-121.068073 °	-121.068073 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.  
 [2016 Site ID:NA0017U16RM18.69]

LM Start	<b>4.16</b>	Rating **	U	Issue No.	<b>66 (cont)</b>
LM End	<b>4.18</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016\_NA0017U16RM18.69\_1.jpg



View of the erosion site.

Photo 2 of 3 : SJR2016\_NA0017U16RM18.69\_3.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.16	Rating **	U	Issue No.	66 (cont)	
LM End	4.18	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.012792 °		38.012792 °
				-121.068073 °		-121.068073 °
DWR ID						
Comment Code						
Inspector Comment						
08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM18.69]						

Photo 3 of 3 : SJR2016\_NA0017U16RM18.69\_4.jpg



Close view of the erosion.

LM Start	4.20	Rating **	A/W	Issue No.	228
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.012288 °	38.012288 °
				-121.068239 °	-121.068239 °
DWR ID	DWR_NA0017_16_f_2012_228				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_228\_20160823\_00136.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

<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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# San Joaquin County Flood Control and Water Conservation District

Slope instability was found on the waterside shoulder of the levee looking downstream.

Updated picture of the erosion on the waterside of the levee. Fall 2016

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.27	Rating **	M	Issue No.	73 (cont)	
LM End	4.27	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.011288 °		38.011288 °
				-121.068579 °		-121.068579 °
DWR ID	DWR_NA0017_16_s_2013_73					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
The erosion may cut into the access road if it is not repaired.						

Photo 2 of 3 : FA\_2016\_NA0017\_160\_73\_20160823\_00066.jpg



Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

LM Start	<b>4.27</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>4.27</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2016\_NA0017\_160\_73\_20160823\_00067.jpg



Erosion was found on the waterside shoulder of the levee looking upstream.

<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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# San Joaquin County Flood Control and Water Conservation District

View of erosion on the waterside slope of the levee looking downstream.

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.86	Rating **	C	Issue No.	64
LM End	4.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.003624 °	38.003624 °
				-121.072585 °	-121.072585 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: This site was repaired recently. No sign of new erosion observed at the repaired site.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest.					
08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to poor maintenance. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2016 Site ID:NA0017U16RM17.99]					

No Photos

LM Start	5.20	Rating **	A/W	Issue No.	265
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.999537 °	37.999537 °
				-121.076133 °	-121.076133 °
DWR ID	DWR_NA0017_16_f_2014_265				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_265\_20160823\_00151.jpg



A slope instability was found on the waterside slope of the levee looking upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.29	Rating **	N	Issue No.	226
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.998515°	37.998515°
				-121.077104°	-121.077104°
DWR ID	DWR_NA0017_16_f_2012_226				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.29	Rating **	N	Issue No.	195
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.998517 °	37.998517 °
				-121.077116 °	-121.077116 °
DWR ID	DWR_NA0017_16_s_2012_195				
Comment Code					
T5 : Tree stumps.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.56	Rating **	U	Issue No.	47
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.995216 °	37.995216 °
				-121.080159 °	-121.080159 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
08/12/2015: No significant change observed.  
08/20/2014: No significant change observed.  
09/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM17.27]

LM Start	<b>5.56</b>	Rating **	U	Issue No.	<b>47 (cont)</b>
LM End	<b>5.58</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2016\_NA0017U16RM17.27\_1.jpg



View of the erosion from right river bank.

Photo 2 of 2 : SJR2016\_NA0017U16RM17.27\_3.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.71	Rating **	M	Issue No.	41
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.993525 °	37.993525 °
				-121.081679 °	-121.081679 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: The erosion is near a tree and probably has been made worse by the unstable bank slope. [2016 Site ID:NA0017U16RM17.11]					

Photo 1 of 3 : SJR2016\_NA0017U16RM17.11\_1.jpg



View of the site from right river bank.

LM Start	<b>5.71</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM17.11\_3.jpg



Close view of the erosion.

LM Start	<b>5.71</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2016\_NA0017U16RM17.11\_4.jpg



Close view of the erosion.

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.87	Rating **	A/W	Issue No.	264
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.991628 °	37.991628 °
				-121.083312 °	-121.083312 °
DWR ID	DWR_NA0017_16_f_2014_264				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_264\_20160823\_00150.jpg



A slope instability was found on the waterside of the levee looking upstream.

LM Start	6.15	Rating **	A/W	Issue No.	170
LM End	6.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.988385°	37.988385°
				-121.086292°	-121.086292°
DWR ID	DWR_NA0017_16_s_2012_170				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_170\_20160823\_00122.jpg



Updated picture of the rodent holes on the waterside shoulder of the levee looking downstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	6.15	Rating **	A/W	Issue No.	170 (cont)	
LM End	6.15	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.988385 °		37.988385 °
				-121.086292 °		-121.086292 °
DWR ID	DWR_NA0017_16_s_2012_170					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : FA\_2016\_NA0017\_160\_170\_20160823\_00123.jpg



An animal hole was found on the waterside of the levee looking upstream.

LM Start	6.49	Rating **	U	Issue No.	40
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.983279°	37.983279°
				-121.090843°	-121.090843°
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: Site has been surveyed and the erosion has worsened since last year.					
08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM16.27]					

Photo 1 of 3 : SJR2016\_NA0017U16RM16.27\_1.jpg



Upstream view of the site from right river bank.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	<b>6.49</b>	Rating **	U	Issue No.	<b>40 (cont)</b>
LM End	<b>6.68</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.983279°	37.983279°	
			-121.090843°	-121.090843°	
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: Site has been surveyed and the erosion has worsened since last year.  
 08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM16.27]

LM Start	<b>6.49</b>	Rating **	U	Issue No.	<b>40 (cont)</b>
LM End	<b>6.68</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM16.27\_3.jpg



Front view of the erosion.

Photo 3 of 3 : SJR2016\_NA0017U16RM16.27\_4.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	6.70	Rating **	A/W	Issue No.	120
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.982299 °	37.982299 °
				-121.092665 °	-121.092665 °
DWR ID	DWR_NA0017_16_s_2014_120				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_120\_20160823\_00097.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

LM Start	<b>6.70</b>	Rating **	A/W	Issue No.	<b>120 (cont)</b>
LM End	<b>6.70</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_160\_120\_20160823\_00098.jpg



Slope instability was found on the waterside of the levee looking upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.27	Rating **	U	Issue No.	39
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.978194 °	37.978194 °
				-121.101696 °	-121.101696 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile.  
 09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM15.57]

LM Start	<b>7.27</b>	Rating **	U	Issue No.	<b>39 (cont)</b>
LM End	<b>7.33</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016\_NA0017U16RM15.57\_1.jpg



View of the site from right river bank.

Photo 2 of 3 : SJR2016\_NA0017U16RM15.57\_3.jpg



Close view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.27	Rating **	U	Issue No.	39 (cont)
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.978194 °	37.978194 °
				-121.101696 °	-121.101696 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile.					
09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM15.57]					

Photo 3 of 3 : SJR2016\_NA0017U16RM15.57\_4.jpg



Close view of the erosion.

LM Start	7.39	Rating **	M	Issue No.	246
LM End	7.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977610 °	37.977610 °
				-121.103159 °	-121.103159 °
DWR ID	DWR_NA0017_16_s_2015_246				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion may cut into the access road.					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_246\_20161031\_00377.jpg



View of the erosion on the waterside shoulder of the levee. Fall 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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# San Joaquin County Flood Control and Water Conservation District

Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.42	Rating **	M	Issue No.	237 (cont)	
LM End	7.42	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.977421°		37.977421°
				-121.103507°		-121.103507°
DWR ID	DWR_NA0017_16_f_2015_237					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion may cut into the access road.						

Photo 2 of 2 : FA\_2016\_NA0017\_160\_237\_20160823\_00142.jpg



Erosion caused by runoff was found on the waterside shoulder of the levee.

LM Start	7.57	Rating **	A/W	Issue No.	218
LM End	7.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976122°	37.976122°
				-121.105791°	-121.105791°
DWR ID	DWR_NA0017_16_s_2012_218				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The beaver den might deteriorate the patrol road in future if it is repaired.					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_218\_20160823\_00135.jpg



A possible beaver den was found on waterside slope of the levee. The picture was taken from the opposite bank of the levee.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.84	Rating **	M	Issue No.	275
LM End	7.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.973620 °	37.973620 °
				-121.109680 °	-121.109680 °
DWR ID	DWR_NA0017_16_s_2016_275				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion may cut into the access road.					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_275\_20161031\_00378.jpg



View of the erosion caused by rodent holes on the waterside shoulder of the levee looking upstream. Fall 2016

LM Start	<b>7.84</b>	Rating **	M	Issue No.	<b>275 (cont)</b>
LM End	<b>7.84</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_160\_275\_20160823\_00154.jpg



View of a rodent hole on the waterside shoulder of the levee.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	38
LM End	8.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.969213 °	37.969213 °
				-121.116574 °	-121.116574 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM14.48]

LM Start	<b>8.34</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>8.38</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016\_NA0017U16RM14.48\_1.jpg



View of the site from right river bank.

Photo 2 of 3 : SJR2016\_NA0017U16RM14.48\_2.jpg



Front view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	38 (cont)		
LM End	8.38	Issue Type +	Ma	Location *	WS		
Category	Supplemental			GPS Latitude/Longitude			
				Start		End	
Item	DWR Erosion Survey			37.969213	°	37.969213	°
				-121.116574	°	-121.116574	°
DWR ID							
Comment Code							
Inspector Comment							
08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM14.48]							

Photo 3 of 3 : SJR2016\_NA0017U16RM14.48\_3.jpg



Close view of the erosion.

LM Start	8.60	Rating **	A/W	Issue No.	128
LM End	8.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.968157 °	37.968157 °
				-121.120620 °	-121.120620 °
DWR ID	DWR_NA0017_16_s_2013_128				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_128\_20160823\_00103.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

* Location LS : Land Side    N/A : Not Applicable 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	
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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.00	Rating **	M	Issue No.	37
LM End	9.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966615 °	37.966615 °
				-121.127328 °	-121.127328 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.86]

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>9.00</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016\_NA0017U16RM13.86\_1.jpg



Front view of the erosion.

Photo 2 of 3 : SJR2016\_NA0017U16RM13.86\_2.jpg



Close view of the erosion.

<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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# San Joaquin County Flood Control and Water Conservation District



**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.03	Rating **	U	Issue No.	36 (cont)	
LM End	9.03	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.966661 °	37.966661 °	
				-121.127864 °	-121.127864 °	
DWR ID						
Comment Code						
Inspector Comment						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.85]						

Photo 2 of 2 : SJR2016\_NA0017U16RM13.85\_4.jpg



Close view of the erosion.

LM Start	9.11	Rating **	M	Issue No.	18
LM End	9.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966922 °	37.966922 °
				-121.129533 °	-121.129533 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.72]					

Photo 1 of 3 : SJR2016\_NA0017U16RM13.72\_1.jpg



Upstream view of the erosion.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.11	Rating **	M	Issue No.	18 (cont)
LM End	9.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966922°	37.966922°
				-121.129533°	-121.129533°
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.72]

LM Start	9.11	Rating **	M	Issue No.	18 (cont)
LM End	9.13	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016\_NA0017U16RM13.72\_3.jpg



Close view of the erosion.

Photo 3 of 3 : SJR2016\_NA0017U16RM13.72\_4.jpg



Front view of the erosion.

**\* Location**

LS : Land Side    N/A : Not Applicable  
 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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.31	Rating **	M	Issue No.	14
LM End	9.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966772 °	37.966772 °
				-121.133071 °	-121.133071 °
DWR ID					

**Comment Code**

**Inspector Comment**

08/16/2016: No significant change observed.  
 08/12/2015: No significant change observed.  
 08/20/2014: No significant change observed.  
 09/12/2013: No significant change observed.  
 08/22/2012: The erosion is on berm. The berm width is estimated.  
 There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.53]

LM Start	<b>9.31</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>9.33</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016\_NA0017U16RM13.53\_1.jpg



Upstream view of the erosion.

Photo 2 of 3 : SJR2016\_NA0017U16RM13.53\_3.jpg



Close view of the erosion.

**\* Location**

LS : Land Side    N/A : Not Applicable  
 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

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.31	Rating **	M	Issue No.	14 (cont)	
LM End	9.33	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.966772 °	37.966772 °	
				-121.133071 °	-121.133071 °	
DWR ID						
Comment Code						
Inspector Comment						
<p>08/16/2016: No significant change observed.</p> <p>08/12/2015: No significant change observed.</p> <p>08/20/2014: No significant change observed.</p> <p>09/12/2013: No significant change observed.</p> <p>08/22/2012: The erosion is on berm. The berm width is estimated.</p> <p>There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.53]</p>						

Close view of the erosion.

LM Start	9.33	Rating **	A/W	Issue No.	304
LM End	9.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.966739 °	37.966739 °
				-121.133254 °	-121.133254 °
DWR ID	DWR_NA0017_16_s_2016_304				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

A photograph showing a grassy field with a line of trees in the background. A date stamp '04/26/2015' is visible in the bottom right corner.

View of a rodent hole possible made by a coyote on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.48	Rating **	A/W	Issue No.	28
LM End	9.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.966239 °	37.966239 °
				-121.136172 °	-121.136172 °
DWR ID	DWR_NA0017_16_f_2013_28				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion was found on the waterside toe of the levee.					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_28\_20160823\_00018.jpg



View of the erosion on the waterside toe of the levee looking from the opposite side of the levee.

LM Start	9.86	Rating **	M	Issue No.	10
LM End	9.88	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.964735 °	37.964735 °
				-121.142503 °	-121.142503 °
DWR ID					
Comment Code					
Inspector Comment					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM12.95]					

Photo 1 of 3 : SJR2016\_NA0017U16RM12.95\_1.jpg



Upstream view of the site from right river bank.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
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





### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

Photo 1 of 1 : FA\_2016\_NA0017\_160\_283\_20160823\_00159.jpg



Farmer removed the levee patrol road. The picture was taken from the crown looking downstream.

Photo 1 of 2 : FA\_2016\_NA0017\_160\_139\_20160823\_00109.jpg



Updated picture of the erosion on the waterside shoulder of the levee looking downstream.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	10.79	Rating **	M	Issue No.	139 (cont)
LM End	10.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.962182°	37.962182°
				-121.158684°	-121.158684°
DWR ID	DWR_NA0017_16_s_2013_139				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 2 of 2 : FA\_2016\_NA0017\_160\_139\_20160823\_00110.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	11.57	Rating **	M	Issue No.	50
LM End	11.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960763 °	37.960763 °
				-121.172122 °	-121.172122 °
DWR ID	DWR_NA0017_16_f_2016_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_50\_20161031\_00379.jpg



View of rodent holes on the landside of the levee. Fall 2016

LM Start	12.06	Rating **	C	Issue No.	286
LM End	12.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961283 °	37.961283 °
				-121.180907 °	-121.180907 °
DWR ID	DWR_NA0017_16_s_2016_286				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	12.32	Rating **	M	Issue No.	126
LM End	12.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960427 °	37.960427 °
				-121.185560 °	-121.185560 °
DWR ID	DWR_NA0017_16_s_2016_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_126\_20160823\_00102.jpg



View of a rodent hole on the landside of the levee.

LM Start	12.62	Rating **	M	Issue No.	147
LM End	12.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.960206 °	37.959490 °
				-121.191018 °	-121.194913 °
DWR ID	DWR_NA0017_16_f_2016_147				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	12.62	Rating **	M	Issue No.	247
LM End	12.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.960206°	37.959490°
				-121.191018°	-121.194913°
DWR ID	DWR_NA0017_16_f_2016_247				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.87	Rating **	C	Issue No.	244
LM End	12.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.959694 °	37.959694 °
				-121.195381 °	-121.195381 °
DWR ID	DWR_NA0017_16_s_2016_244				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	14.25	Rating **	M	Issue No.	249
LM End	14.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.967046 °	37.967046 °
				-121.217319 °	-121.217319 °
DWR ID	DWR_NA0017_16_f_2015_249				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_249\_20160823\_00148.jpg



View of the erosion caused by surface runoff on the landside of the

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	<b>14.48</b>	Rating **	C	Issue No.	<b>260</b>
LM End	<b>14.48</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.968800°	37.968800°
				-121.220755°	-121.220755°
DWR ID	DWR_NA0017_16_f_2014_260				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>14.59</b>	Rating **	M	Issue No.	<b>259</b>
LM End	<b>14.59</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969732°	37.969732°
				-121.222552°	-121.222552°
DWR ID	DWR_NA0017_16_f_2014_259				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	<b>14.61</b>	Rating **	C	Issue No.	<b>273</b>
LM End	<b>14.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969913°	37.969913°
				-121.222870°	-121.222870°
DWR ID	DWR_NA0017_16_s_2015_273				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>16.12</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>16.12</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980250°	37.980250°
				-121.247141°	-121.247141°
DWR ID	DWR_NA0017_16_s_2014_71				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	16.43	Rating **	M	Issue No.	150
LM End	16.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.982318 °	37.982318 °
				-121.252095 °	-121.252095 °
DWR ID	DWR_NA0017_16_s_2013_150				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_150\_20160823\_00113.jpg



Updated picture of the erosion on the landside shoulder of the levee looking upstream during spring 2015 inspection.

LM Start	<b>16.43</b>	Rating **	M	Issue No.	<b>150 (cont)</b>
LM End	<b>16.43</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2016\_NA0017\_160\_150\_20160823\_00114.jpg



Erosion was found on the landside of the levee looking downstream.

LM Start	16.70	Rating **	C	Issue No.	291
LM End	16.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.984206 °	37.984206 °
				-121.256440 °	-121.256440 °
DWR ID	DWR_NA0017_16_s_2016_291				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	16.78	Rating **	C	Issue No.	292
LM End	16.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.984754 °	37.984754 °
				-121.257707 °	-121.257707 °
DWR ID	DWR_NA0017_16_s_2016_292				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	16.88	Rating **	M	Issue No.	252
LM End	16.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.985426 °	37.985426 °
				-121.259382 °	-121.259382 °
DWR ID	DWR_NA0017_16_f_2016_252				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_252\_20161031\_00381.jpg



View of debris on the waterside of the levee. Fall 2016

**\* Location**  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	17.14	Rating **	M	Issue No.	253
LM End	17.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.987190°	37.987190°
				-121.263456°	-121.263456°
DWR ID	DWR_NA0017_16_f_2016_253				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	17.14	Rating **	M	Issue No.	293
LM End	17.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.987210 °	37.987210 °
				-121.263501 °	-121.263501 °
DWR ID	DWR_NA0017_16_s_2016_293				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_293\_20160823\_00162.jpg



View of an erosion on the landside slope of the levee.

LM Start	18.39	Rating **	C	Issue No.	294
LM End	18.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.992862 °	37.992862 °
				-121.284002 °	-121.284002 °
DWR ID	DWR_NA0017_16_s_2016_294				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	18.94	Rating **	N	Issue No.	295
LM End	18.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991937 °	37.991937 °
				-121.293932 °	-121.293932 °
DWR ID	DWR_NA0017_16_s _ 2016_295				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	18.99	Rating **	C	Issue No.	296
LM End	18.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.991788 °	37.991788 °
				-121.294718 °	-121.294718 °
DWR ID	DWR_NA0017_16_s _ 2016_296				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	19.04	Rating **	N	Issue No.	65
LM End	19.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991617°	37.991617°
				-121.295628°	-121.295628°
DWR ID	DWR_NA0017_16_s_2012_65				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_65\_20160823\_00058.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	19.88	Rating **	M	Issue No.	254	
LM End	19.88	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.986025 °		37.986025 °
				-121.307306 °		-121.307306 °
DWR ID	DWR_NA0017_16_f_2016_254					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 1 of 1 : FA\_2016\_NA0017\_160\_254\_20161031\_00382.jpg



View of a rodent hole on the landside of the levee. Fall 2016

LM Start	20.79	Rating **	N	Issue No.	95
LM End	20.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979739°	37.979739°
				-121.319993°	-121.319993°
DWR ID	DWR_NA0017_16_s_2012_95				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	20.82	Rating **	M	Issue No.	255
LM End	20.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980036 °	37.980036 °
				-121.320325 °	-121.320325 °
DWR ID	DWR_NA0017_16_f_2016_255				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_255\_20161031\_00384.jpg



View of debris on the landside shoulder of the levee. Fall 2016

LM Start	20.83	Rating **	N	Issue No.	84
LM End	20.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.980085 °	37.980085 °
				-121.320448 °	-121.320448 °
DWR ID	DWR_NA0017_16_s_2012_84				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	20.97	Rating **	M	Issue No.	197
LM End	20.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980569 °	37.980569 °
				-121.322985 °	-121.322985 °
DWR ID	DWR_NA0017_16_s_2013_197				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_197\_20160823\_00130.jpg



Updated picture of the erosion on the waterside of the levee looking upstream during spring 2014 inspection.

LM Start	<b>20.97</b>	Rating **	M	Issue No.	<b>197 (cont)</b>
LM End	<b>20.97</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_160\_197\_20160823\_00131.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	21.07	Rating **	C	Issue No.	279
LM End	21.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980866 °	37.980866 °
				-121.324682 °	-121.324682 °
DWR ID	DWR_NA0017_16_s_2015_279				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	21.09	Rating **	M	Issue No.	257
LM End	21.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980908 °	37.980908 °
				-121.325130 °	-121.325130 °
DWR ID	DWR_NA0017_16_f_2016_257				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_257\_20161031\_00386.jpg



View of debris on the crown of the levee. Fall 2016

LM Start	21.18	Rating **	C	Issue No.	27
LM End	21.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.981235°	37.981235°
				-121.326604°	-121.326604°
DWR ID	DWR_NA0017_16_f_2015_27				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
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

# San Joaquin County Flood Control and Water Conservation District

Erosion due to runoff was found on the waterside of the levee looking upstream.

Erosion was found on the waterside slope of the levee looking upstream.

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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	21.94	Rating **	M	Issue No.	62
LM End	21.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979251°	37.979251°
				-121.340012°	-121.340012°
DWR ID	DWR_NA0017_16_f_2013_62				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_160\_62\_20160823\_00053.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	22.04	Rating **	A/W	Issue No.	48
LM End	22.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.978697 °	37.978697 °
				-121.341581 °	-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.					

Photo 1 of 5 : FA\_2016\_NA0017\_160\_48\_20161031\_00387.jpg



View of the riprap on the waterside slope of the levee. Fall 2016

\* Location  
LS : Land Side    N/A : Not Applicable  
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  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.978697 °	37.978697 °
				-121.341581 °	-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.					

Photo 2 of 5 : FA\_2016\_NA0017\_160\_48\_20160823\_00038.jpg



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 inspection.

LM Start	<b>22.04</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>22.04</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA\_2016\_NA0017\_160\_48\_20160823\_00039.jpg



Updated picture of erosion was found on the waterside toe of the levee looking from the opposite side of the levee. Fall 2013

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.978697 °	37.978697 °
				-121.341581 °	-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.					

Photo 4 of 5 : FA\_2016\_NA0017\_160\_48\_20160823\_00040.jpg



Updated view of the erosion site repaired by Caltrans on the waterside slope of the levee looking upstream. Fall 2012

LM Start	<b>22.04</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>22.04</b>	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : FA\_2016\_NA0017\_160\_48\_20160823\_00041.jpg



View of the erosion site repaired by Caltrans under the I-5 freeway going southbound. This picture was taken from the toe of the levee looking upstream. Spring 2012

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	22.24	Rating **	N	Issue No.	6
LM End	22.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.976650°	37.976650°
				-121.344212°	-121.344212°
DWR ID	DWR_NA0017_16_s_2016_6				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	22.53	Rating **	U	Issue No.	45
LM End	22.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.973578 °	37.973578 °
				-121.347848 °	-121.347848 °
DWR ID	DWR_NA0017_16_f_2012_45				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo on the waterside of the levee is completely blocking the visibility.					

Photo 1 of 2 : FA\_2016\_NA0017\_160\_45\_20161031\_00388.jpg



Updated picture of the arundo on the waterside slope of the levee. Fall 2016

LM Start	<b>22.53</b>	Rating **	U	Issue No.	<b>45 (cont)</b>
LM End	<b>22.53</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0017\_160\_45\_20160823\_00034.jpg



Arundo was found on the waterside slope of the levee looking upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

<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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**Flood Control Project Maintenance  
Levee Inspections**

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

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	10/26/2016 10/26/2016	Pavel Kazi

LM Start	0.67	Rating **	M	Issue No.	10
LM End	0.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.958702 °	37.958702 °
				-121.151544 °	-121.151544 °
DWR ID	DWR_NA0017_17_s_2012_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_161\_10\_20160823\_00007.jpg



Slope instability was found on the waterside of the levee looking upstream.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/26/2016 10/27/2016	Pavel Kazi

LM Start	0.01	Rating **	A	Issue No.	3
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.957521 °	37.957521 °
				-121.148672 °	-121.148672 °
DWR ID	DWR_NA0017_18_f_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA\_2016\_NA0017\_162\_3\_20161031\_00005.jpg



View of the landside slope of the levee. Fall 2016

LM Start	0.87	Rating **	M	Issue No.	4
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960206 °	37.960206 °
				-121.163559 °	-121.163559 °
DWR ID	DWR_NA0017_18_f_2015_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_162\_4\_20160823\_00002.jpg



Rodent holes were found on the landside of the levee.

<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 - Fall 2016**

**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/26/2016 10/27/2016	Pavel Kazi

LM Start	0.89	Rating **	M	Issue No.	5
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960275 °	37.960275 °
				-121.163858 °	-121.163858 °
DWR ID	DWR_NA0017_18_f_2016_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0017\_162\_5\_20161031\_00006.jpg



View of the rodent holes on the landside of the levee. Fall 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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