

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

**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	11/24/2014 11/24/2014	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 *	LS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start	End		
Item	Operations & Maintenance Manuals			°		°
				°		°
DWR ID	DWR_NA0017_01_s_2013_3					
Action/Comments						
Inspector Comments: 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 *	LS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start	End		
Item	Emergency Supplies & Equipment			°		°
				°		°
DWR ID	DWR_NA0017_01_s_2013_5					
Action/Comments						
Inspector Comments: The LMA has all the required materials at their site.						

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>9</b>	
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee		GPS Latitude/Longitude			
			Start	End		
Item	Flood Preparedness & Training			°		°
				°		°
DWR ID	DWR_NA0017_01_s_2013_9					
Action/Comments						
Inspector Comments: The LMA has all the required booklets from DWR, flood response plan and most of their employees are trained to be a flood fighter.						

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. 01 Littlejohn Creek	Left	2.59	11/24/2014 11/24/2014	Pavel Kazi

LM Start	1.33	Rating **	A	Issue No.	15
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.881073 °	121.249280 °
				37.881073 °	121.249280 °
DWR ID	DWR_NA0017_01_f_2014_15				
Action/Comments					
Inspector Comments: 18 inch CMP pipe crossing 5 feet below crown. Flapgate buried and was inoperableCorrected: Dirt and debris was removed and flap gate is now operational.					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	11/24/2014 11/24/2014	Pavel Kazi

LM Start	1.28	Rating **	A	Issue No.	9
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.880390 °	121.249170 °
				37.880390 °	121.249170 °
DWR ID	DWR_NA0017_02_f_2014_9				
Action/Comments					
Material Inspector Comments: Soil and debris piles across the WS floodplain adjacent to Airport Way. Piles were 6 feet high and about 100 foot long. Corrected: Soil was spread out over the floodplain and graded. Debris was removed.					

No Photos

LM Start	2.01	Rating **	M	Issue No.	1
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.882528 °	37.882528 °
				-121.250601 °	-121.250601 °
DWR ID	DWR_NA0017_02_f_2013_1				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

Photo 1 of 1 : FA\_2014\_NA0017\_149\_1\_20141105\_00001.jpg



Crown depression was found looking downstream.

LM Start	2.07	Rating **	A	Issue No.	71
LM End	2.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.883128 °	37.883128 °
				-121.251565 °	-121.251565 °
DWR ID	DWR_NA0017_02_f_2014_71				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: LMA has fixed the issue.					

Photo 1 of 1 : FA\_2014\_NA0017\_149\_71\_20141125\_00087.jpg



LMA has repaired erosion on the waterside of the levee looking downstream.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	11/24/2014 11/24/2014	Pavel Kazi

LM Start	2.08	Rating **	C	Issue No.	5
LM End	2.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.883137 °	37.883137 °
				-121.251628 °	-121.251628 °
DWR ID	DWR_NA0017_02_f_2013_5				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	2.24	Rating **	M	Issue No.	4
LM End	2.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.884741 °	37.884741 °
				-121.253808 °	-121.253808 °
DWR ID	DWR_NA0017_02_s_2014_4				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2014\_NA0017\_149\_4\_20141125\_00088.jpg



Updated picture of the erosion on the waterside of the levee looking downstream.

LM Start	<b>2.24</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>2.24</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_149\_4\_20141105\_00003.jpg



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

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CR : Crown

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	11/24/2014 11/24/2014	Pavel Kazi

LM Start	2.66	Rating **	A/W	Issue No.	8
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.888853 °	37.888853 °
				-121.258640 °	-121.258640 °
DWR ID	DWR_NA0017_02_s_2012_8				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing the channel has corroded and can carry water to/from the channel. A flap gate was installed by the LMA, but the pipe appeared to be damaged.					

Photo 1 of 2 : FA\_2014\_NA0017\_149\_8\_20141125\_00089.jpg



A flap gate was installed at the end of the pipe, but the pipe appeared to have cracks. The picture was taken from the crown looking upstream during fall 2014 inspection.

LM Start	<b>2.66</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>2.66</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_149\_8\_20141105\_00005.jpg



A pipe was found without a flap gate on waterside slope of the levee looking downstream. This pipe may predate the project.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	11/24/2014 11/24/2014	Pavel Kazi

LM Start	0.25	Rating **	A	Issue No.	2
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979231 °	37.979231 °
				-121.094358 °	-121.094358 °
DWR ID	DWR_NA0017_06_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0017\_150\_2\_20141125\_00001.jpg



View of crown 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	0.61	Rating **	M	Issue No.	68
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043595 °	38.043567 °
				-121.366516 °	-121.363753 °
DWR ID	DWR_NA0017_07_f_2014_68				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.66	Rating **	C	Issue No.	12
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043574 °	38.043574 °
				-121.365620 °	-121.365620 °
DWR ID	DWR_NA0017_07_s_2014_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.92	Rating **	M	Issue No.	2
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043468 °	38.043468 °
				-121.361022 °	-121.361022 °
DWR ID	DWR_NA0017_07_s_2013_2				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_2\_20141021\_00002.jpg



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

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 CR : Crown

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	1.06	Rating **	M	Issue No.	69
LM End	1.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043412 °	38.043412 °
				-121.358477 °	-121.358477 °
DWR ID	DWR_NA0017_07_f_2014_69				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_69\_20141109\_00061.jpg



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

LM Start	1.07	Rating **	M	Issue No.	71
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043403 °	38.043301 °
				-121.358217 °	-121.349372 °
DWR ID	DWR_NA0017_07_f_2014_71				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.17	Rating **	C	Issue No.	9
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043350 °	38.043350 °
				-121.356491 °	-121.356491 °
DWR ID	DWR_NA0017_07_f_2013_9				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff damage on the landside slope.					

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	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	1.39	Rating **	M	Issue No.	74
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043273 °	38.043273 °
				-121.352491 °	-121.352491 °
DWR ID	DWR_NA0017_07_f_2014_74				
Action/Comments					
Stairway					

No Photos

LM Start	1.75	Rating **	M	Issue No.	75
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043306 °	38.043343 °
				-121.346132 °	-121.341785 °
DWR ID	DWR_NA0017_07_f_2014_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.79	Rating **	M	Issue No.	76
LM End	1.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043304 °	38.043304 °
				-121.345485 °	-121.345485 °
DWR ID	DWR_NA0017_07_f_2014_76				
Action/Comments					
Stairway					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_76\_20141109\_00062.jpg



A stairway was found on the landside of the levee looking upstream.

**\* Location**  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	1.91	Rating **	M	Issue No.	77
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043288 °	38.043288 °
				-121.343199 °	-121.343199 °
DWR ID	DWR_NA0017_07_f_2014_77				
Action/Comments					
Prunings					

No Photos

LM Start	1.94	Rating **	M	Issue No.	11
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043276 °	38.043276 °
				-121.342812 °	-121.342812 °
DWR ID	DWR_NA0017_07_f_2013_11				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Runoff on the landside slope.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_11\_20141021\_00008.jpg



Runoff was discovered on the landside slope of the levee looking upstream.

LM Start	1.99	Rating **	C	Issue No.	4
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043316 °	38.043316 °
				-121.341816 °	-121.341816 °
DWR ID	DWR_NA0017_07_s_2013_4				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	2.03	Rating **	C	Issue No.	13
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043296 °	38.043296 °
				-121.341222 °	-121.341222 °
DWR ID	DWR_NA0017_07_f_2013_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Runoff on the landside slope.					

No Photos

LM Start	2.08	Rating **	C	Issue No.	5
LM End	2.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043264 °	38.043264 °
				-121.340292 °	-121.340292 °
DWR ID	DWR_NA0017_07_s_2013_5				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	2.27	Rating **	C	Issue No.	14
LM End	2.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043230 °	38.043230 °
				-121.336707 °	-121.336707 °
DWR ID	DWR_NA0017_07_f_2013_14				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff on the lanside slope of the levee.					

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	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	2.28	Rating **	M	Issue No.	79
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043245 °	38.043222 °
				-121.336552 °	-121.332909 °
DWR ID	DWR_NA0017_07_f_2014_79				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.34	Rating **	C	Issue No.	7
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043225 °	38.043225 °
				-121.335815 °	-121.335815 °
DWR ID	DWR_NA0017_07_s_2013_7				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	2.59	Rating **	M	Issue No.	81
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043213 °	38.043213 °
				-121.331189 °	-121.331189 °
DWR ID	DWR_NA0017_07_f_2014_81				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_81\_20141109\_00063.jpg



Prunings were found on the landside toe 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  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	2.88	Rating **	C	Issue No.	17
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043154 °	38.043154 °
				-121.325942 °	-121.325942 °
DWR ID	DWR_NA0017_07_s_2014_17				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	2.99	Rating **	M	Issue No.	82
LM End	2.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043188 °	38.043188 °
				-121.324018 °	-121.324018 °
DWR ID	DWR_NA0017_07_f_2014_82				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	3.00	Rating **	M	Issue No.	83
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043189 °	38.043189 °
				-121.323881 °	-121.323881 °
DWR ID	DWR_NA0017_07_f_2014_83				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_83\_20141109\_00064.jpg



Rodent holes were found on the landside 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	3.64	Rating **	M	Issue No.	86
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043126 °	38.043126 °
				-121.312462 °	-121.312462 °
DWR ID	DWR_NA0017_07_f_2014_86				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_86\_20141109\_00065.jpg



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

LM Start	3.78	Rating **	M	Issue No.	24
LM End	3.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043025 °	38.043025 °
				-121.309918 °	-121.309918 °
DWR ID	DWR_NA0017_07_f_2013_24				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff was discovered.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_24\_20141021\_00015.jpg



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

LM Start	4.78	Rating **	C	Issue No.	32
LM End	4.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.046497 °	38.046497 °
				-121.293814 °	-121.293814 °
DWR ID	DWR_NA0017_07_f_2013_32				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	5.85	Rating **	M	Issue No.	73
LM End	5.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052753 °	38.052753 °
				-121.277680 °	-121.277680 °
DWR ID	DWR_NA0017_07_f_2012_73				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_73\_20141021\_00044.jpg



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

LM Start	5.89	Rating **	M	Issue No.	43
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052794 °	38.052794 °
				-121.277035 °	-121.277035 °
DWR ID	DWR_NA0017_07_f_2013_43				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff on the landside.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_43\_20141021\_00029.jpg



Runoff was found on the landside slope of the levee looking upstream.

LM Start	5.98	Rating **	C	Issue No.	40
LM End	5.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052834 °	38.052834 °
				-121.275254 °	-121.275254 °
DWR ID	DWR_NA0017_07_s_2014_40				
Action/Comments					
Repair slope instability.					

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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	6.10	Rating **	M	Issue No.	92
LM End	6.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.053335 °	38.053335 °
				-121.273287 °	-121.273287 °
DWR ID	DWR_NA0017_07_f_2014_92				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_92\_20141109\_00067.jpg



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

LM Start	6.34	Rating **	M	Issue No.	93
LM End	6.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.053816 °	38.053816 °
				-121.269136 °	-121.269136 °
DWR ID	DWR_NA0017_07_f_2014_93				
Action/Comments					
Debris					
Inspector Comments: The hole was drilled for testing purpose on the landside toe of the levee.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_93\_20141109\_00068.jpg



A hole was found on the landside toe of the levee.

LM Start	6.39	Rating **	M	Issue No.	87
LM End	6.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.054191 °	38.054191 °
				-121.268250 °	-121.268250 °
DWR ID	DWR_NA0017_07_f_2014_87				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_87\_20141109\_00066.jpg



An animal hole was 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  
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**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	8.87	Rating **	M	Issue No.	29
LM End	8.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.068319 °	38.068319 °
				-121.231559 °	-121.231559 °
DWR ID	DWR_NA0017_07_s _ 2012_29				
Action/Comments					
Prunings					
Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_29\_20141021\_00018.jpg



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

LM Start	8.88	Rating **	C	Issue No.	30
LM End	8.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.068331 °	38.068331 °
				-121.231534 °	-121.231534 °
DWR ID	DWR_NA0017_07_s _ 2014_30				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	9.06	Rating **	C	Issue No.	987
LM End	9.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.069536 °	38.069536 °
				-121.228662 °	-121.228662 °
DWR ID	DWR_NA0017_07_s _ 2012_987				
Action/Comments					
Prunings Inspector Comments: Burn pile has been burned but new material has been placed.					

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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	10.19	Rating **	N	Issue No.	45
LM End	10.19	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	10.23	Rating **	N	Issue No.	46
LM End	10.23	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				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_46\_20141021\_00031.jpg



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

LM Start	10.39	Rating **	M	Issue No.	89
LM End	10.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.076529 °	38.076529 °
				-121.208658 °	-121.208658 °
DWR ID	DWR_NA0017_07_f_2014_89				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Runoff					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_89\_20141109\_00076.jpg



View of erosion caused by runoff found on the landside slope 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  
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**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	10.49	Rating **	M	Issue No.	105
LM End	10.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.077665 °	38.077665 °
				-121.207662 °	-121.207662 °
DWR ID	DWR_NA0017_07_f_2014_105				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_105\_20141109\_00077.jpg



An animal hole was found on the landside shoulder of the levee looking downstream.

LM Start	11.57	Rating **	M	Issue No.	106
LM End	11.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.086375 °	38.086375 °
				-121.192541 °	-121.192541 °
DWR ID	DWR_NA0017_07_f_2014_106				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: runoff					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_106\_20141109\_00078.jpg



Erosion caused by runoff was found on the landside slope of the levee looking downstream.

LM Start	12.88	Rating **	M	Issue No.	107
LM End	12.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.096788 °	38.096788 °
				-121.176614 °	-121.176614 °
DWR ID	DWR_NA0017_07_f_2014_107				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_107\_20141109\_00079.jpg



An animal hole was found on the landside 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	13.55	Rating **	M	Issue No.	72
LM End	13.55	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				
Action/Comments					
Repair slope instability. Inspector Comments: Shallow pit at the landward toe with nearby prunings.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_72\_20141021\_00043.jpg



View of a pit along the landward levee toe looking upstream.

LM Start	14.08	Rating **	M	Issue No.	39
LM End	14.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.111902 °	38.111902 °
				-121.172685 °	-121.172685 °
DWR ID	DWR_NA0017_07_s_2012_39				
Action/Comments					
Firewood					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_39\_20141021\_00025.jpg



Move firewood to outside of 10' from landside toe of levee at LM 14.08.

LM Start	14.46	Rating **	M	Issue No.	91
LM End	14.46	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.117552 °	38.117552 °
				-121.171818 °	-121.171818 °
DWR ID	DWR_NA0017_07_f_2014_91				
Action/Comments					
Prunings					

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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.07	11/05/2014 11/06/2014	Pavel Kazi

LM Start	15.60	Rating **	N	Issue No.	53
LM End	15.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.129236 °	38.130205 °
				-121.160163 °	-121.158466 °
DWR ID	DWR_NA0017_07_s_2012_53				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2014\_NA0017\_151\_53\_20141021\_00036.jpg



View of a stump in the landward slope.

LM Start	15.87	Rating **	C	Issue No.	62
LM End	15.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.130404 °	38.130404 °
				-121.155595 °	-121.155595 °
DWR ID	DWR_NA0017_07_f_2013_62				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	1.31	Rating **	M	Issue No.	31
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042894 °	38.042894 °
				-121.360467 °	-121.360467 °
DWR ID	DWR_NA0017_08_f_2013_31				
Action/Comments					
Stairway					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_31\_20141021\_00014.jpg



View of steps that were dug on the landside slope of the levee looking downstream.

LM Start	1.48	Rating **	M	Issue No.	99
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042821 °	38.042821 °
				-121.357347 °	-121.357347 °
DWR ID	DWR_NA0017_08_f_2014_99				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_99\_20141111\_00106.jpg



View of prunings that were found on the landside toe of the levee looking downstream.

LM Start	1.73	Rating **	N	Issue No.	18
LM End	1.73	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				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_18\_20141021\_00008.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.

\* **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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	1.83	Rating **	A	Issue No.	16
LM End	1.83	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042713 °	38.042713 °
				-121.351122 °	-121.351122 °
DWR ID	DWR_NA0017_08_s_2014_16				
Action/Comments					
Inspector Comments: The LMA has repaired the monolith joint at this location.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_16\_20141021\_00006.jpg



Monolith Joints at this location was repaired by the LMA. The picture was taken from the crown looking downstream.

LM Start	1.99	Rating **	M	Issue No.	100
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.042795 °	38.042795 °
				-121.348274 °	-121.348274 °
DWR ID	DWR_NA0017_08_f_2014_100				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_100\_20141111\_00107.jpg



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

LM Start	2.06	Rating **	M	Issue No.	1007
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042805 °	38.042805 °
				-121.347071 °	-121.347071 °
DWR ID	DWR_NA0017_08_s_2012_1007				
Action/Comments					
Stairway					
Inspector Comments: Steps were removed but the hand rails still exists at the location.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_1007\_20141021\_00053.jpg



View of steps dug into the landward slope 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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	2.18	Rating **	M	Issue No.	102
LM End	2.18	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042767 °	38.042767 °
				-121.344863 °	-121.344863 °
DWR ID	DWR_NA0017_08_f_2014_102				
Action/Comments					

No Photos

LM Start	2.20	Rating **	M	Issue No.	29
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042771 °	38.042771 °
				-121.344443 °	-121.344443 °
DWR ID	DWR_NA0017_08_s_2013_29				
Action/Comments					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_29\_20141021\_00013.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	2.21	Rating **	C	Issue No.	48
LM End	2.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042776 °	38.042776 °
				-121.344309 °	-121.344309 °
DWR ID	DWR_NA0017_08_f_2013_48				
Action/Comments					
Prunings					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	2.29	Rating **	M	Issue No.	105
LM End	2.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042762 °	38.042762 °
				-121.342909 °	-121.342909 °
DWR ID	DWR_NA0017_08_f_2014_105				
Action/Comments					
Prunings					

No Photos

LM Start	2.33	Rating **	N	Issue No.	40
LM End	2.33	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.45	Rating **	N	Issue No.	36
LM End	2.45	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				
Action/Comments					
Tree stumps.					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	2.49	Rating **	M	Issue No.	107
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042739 °	38.042720 °
				-121.339495 °	-121.334688 °
DWR ID	DWR_NA0017_08_f_2014_107				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.54	Rating **	N	Issue No.	26
LM End	2.54	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.55	Rating **	N	Issue No.	12
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042743 °	38.042743 °
				-121.338343 °	-121.338343 °
DWR ID	DWR_NA0017_08_s_2012_12				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_12\_20141021\_00003.jpg



View of stumps along the landward toe 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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	2.57	Rating **	N	Issue No.	33
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042721 °	38.042721 °
				-121.337887 °	-121.337887 °
DWR ID	DWR_NA0017_08_s_2012_33				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.75	Rating **	N	Issue No.	30
LM End	2.75	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.84	Rating **	M	Issue No.	110
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042712 °	38.042712 °
				-121.333217 °	-121.333217 °
DWR ID	DWR_NA0017_08_f_2014_110				
Action/Comments					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	2.95	Rating **	M	Issue No.	111
LM End	2.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042685 °	38.042685 °
				-121.331070 °	-121.331070 °
DWR ID	DWR_NA0017_08_f_2014_111				
Action/Comments					
Prunings					

No Photos

LM Start	3.00	Rating **	M	Issue No.	112
LM End	3.00	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042683 °	38.042683 °
				-121.330274 °	-121.330274 °
DWR ID	DWR_NA0017_08_f_2014_112				
Action/Comments					

No Photos

LM Start	3.08	Rating **	N	Issue No.	13
LM End	3.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042624 °	38.042624 °
				-121.328781 °	-121.328781 °
DWR ID	DWR_NA0017_08_s_2012_13				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_13\_20141021\_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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	3.11	Rating **	M	Issue No.	38
LM End	3.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042661 °	38.042661 °
				-121.328178 °	-121.328178 °
DWR ID	DWR_NA0017_08_f_2013_38				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_38\_20141021\_00017.jpg



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

LM Start	3.15	Rating **	N	Issue No.	14
LM End	3.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042638 °	38.042638 °
				-121.327479 °	-121.327479 °
DWR ID	DWR_NA0017_08_s_2012_14				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_14\_20141021\_00005.jpg



View of a stump on the landward slope looking upstream.

LM Start	3.19	Rating **	M	Issue No.	37
LM End	3.19	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				
Action/Comments					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_37\_20141021\_00016.jpg



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown 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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	3.22	Rating **	M	Issue No.	940
LM End	3.22	Issue Type +	Ma	Location *	LS
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				
Action/Comments					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_940\_20141021\_00049.jpg



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

LM Start	3.29	Rating **	M	Issue No.	41
LM End	3.29	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				
Action/Comments					

No Photos

LM Start	3.35	Rating **	M	Issue No.	113
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042642 °	38.042642 °
				-121.324068 °	-121.324068 °
DWR ID	DWR_NA0017_08_f_2014_113				
Action/Comments					
Trim trees to at least five feet above ground level.					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	3.40	Rating **	M	Issue No.	28
LM End	3.40	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042652 °	38.042652 °
				-121.323034 °	-121.323034 °
DWR ID	DWR_NA0017_08_s_2012_28				
Action/Comments					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_28\_20141021\_00012.jpg



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

LM Start	3.54	Rating **	M	Issue No.	114
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.042650 °	38.042650 °
				-121.320630 °	-121.320630 °
DWR ID	DWR_NA0017_08_f_2014_114				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

No Photos

LM Start	3.54	Rating **	M	Issue No.	115
LM End	3.54	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042650 °	38.042650 °
				-121.320629 °	-121.320629 °
DWR ID	DWR_NA0017_08_f_2014_115				
Action/Comments					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	3.66	Rating **	M	Issue No.	116
LM End	3.66	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042646 °	38.042646 °
				-121.318533 °	-121.318533 °
DWR ID	DWR_NA0017_08_f_2014_116				
Action/Comments					

No Photos

LM Start	3.97	Rating **	M	Issue No.	117
LM End	3.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.042593 °	38.042593 °
				-121.312930 °	-121.312930 °
DWR ID	DWR_NA0017_08_f_2014_117				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.64	Rating **	M	Issue No.	27
LM End	4.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.042728 °	38.042728 °
				-121.300923 °	-121.300923 °
DWR ID	DWR_NA0017_08_s_2014_27				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Ruts on the waterside slope of the levee.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_27\_20141021\_00011.jpg



Erosion caused by runoffs on the waterside slope 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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	4.68	Rating **	M	Issue No.	46
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043078 °	38.043078 °
				-121.300166 °	-121.300166 °
DWR ID	DWR_NA0017_08_s_2014_46				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_46\_20141021\_00022.jpg



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

LM Start	6.13	Rating **	M	Issue No.	118
LM End	6.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.052193 °	38.052193 °
				-121.279140 °	-121.279140 °
DWR ID	DWR_NA0017_08_f_2014_118				
Action/Comments					
Prunings					

No Photos

LM Start	6.34	Rating **	M	Issue No.	122
LM End	6.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.052219 °	38.052219 °
				-121.275383 °	-121.275383 °
DWR ID	DWR_NA0017_08_f_2014_122				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	6.39	Rating **	M	Issue No.	121
LM End	6.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.052362 °	38.052362 °
				-121.274558 °	-121.274558 °
DWR ID	DWR_NA0017_08_f_2014_121				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_121\_20141111\_00113.jpg



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

LM Start	6.46	Rating **	M	Issue No.	123
LM End	6.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052744 °	38.052744 °
				-121.273279 °	-121.273279 °
DWR ID	DWR_NA0017_08_f_2014_123				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Surface runoff.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_123\_20141111\_00114.jpg



Erosion caused by surface runoff was found on the waterside of the levee looking downstream.

LM Start	6.56	Rating **	M	Issue No.	120
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052994 °	38.052994 °
				-121.271526 °	-121.271526 °
DWR ID	DWR_NA0017_08_f_2014_120				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: 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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	6.65	Rating **	C	Issue No.	52
LM End	6.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.053109 °	38.053109 °
				-121.269818 °	-121.269818 °
DWR ID	DWR_NA0017_08_s_2014_52				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.69	Rating **	M	Issue No.	119
LM End	6.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.053203 °	38.053203 °
				-121.269111 °	-121.269111 °
DWR ID	DWR_NA0017_08_f_2014_119				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Surface runoff.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_119\_20141111\_00112.jpg



An erosion was found due to surface runoff on the waterside of the levee looking downstream.

LM Start	7.65	Rating **	C	Issue No.	49
LM End	7.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.061985 °	38.061985 °
				-121.257531 °	-121.257531 °
DWR ID	DWR_NA0017_08_s_2012_49				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	9.48	Rating **	C	Issue No.	92
LM End	9.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.069436 °	38.069436 °
				-121.227527 °	-121.227527 °
DWR ID	DWR_NA0017_08_f_2012_92				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	10.48	Rating **	M	Issue No.	127
LM End	10.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.073721 °	38.073721 °
				-121.211623 °	-121.211623 °
DWR ID	DWR_NA0017_08_f_2014_127				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_127\_20141111\_00117.jpg



Prunings were found on the waterside of the levee looking downstream.

LM Start	12.04	Rating **	M	Issue No.	128
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.086116 °	38.086116 °
				-121.190630 °	-121.190630 °
DWR ID	DWR_NA0017_08_f_2014_128				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_128\_20141111\_00118.jpg



Erosion was found on the landside 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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	12.07	Rating **	M	Issue No.	74
LM End	12.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086226 °	38.086226 °
				-121.190051 °	-121.190051 °
DWR ID	DWR_NA0017_08_s_2014_74				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_74\_20141111\_00119.jpg



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

LM Start	12.30	Rating **	M	Issue No.	129
LM End	12.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.088030 °	38.088030 °
				-121.186976 °	-121.186976 °
DWR ID	DWR_NA0017_08_f_2014_129				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_129\_20141111\_00120.jpg



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

LM Start	12.46	Rating **	C	Issue No.	76
LM End	12.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.089554 °	38.089554 °
				-121.184999 °	-121.184999 °
DWR ID	DWR_NA0017_08_s_2014_76				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	13.00	Rating **	M	Issue No.	130
LM End	13.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.092636 °	38.092636 °
				-121.177188 °	-121.177188 °
DWR ID	DWR_NA0017_08_f_2014_130				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_130\_20141111\_00121.jpg



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

LM Start	13.61	Rating **	M	Issue No.	83
LM End	13.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.101934 °	38.101934 °
				-121.177144 °	-121.177144 °
DWR ID	DWR_NA0017_08_s_2014_83				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_83\_20141021\_00038.jpg



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

LM Start	13.63	Rating **	M	Issue No.	131
LM End	13.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.102230 °	38.102230 °
				-121.177161 °	-121.177161 °
DWR ID	DWR_NA0017_08_f_2014_131				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	15.18	Rating **	M	Issue No.	86
LM End	15.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.122684 °	38.122684 °
				-121.169123 °	-121.169123 °
DWR ID	DWR_NA0017_08_s_2014_86				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_86\_20141021\_00040.jpg



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

LM Start	15.20	Rating **	M	Issue No.	89
LM End	15.20	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_89\_20141021\_00042.jpg



Erosion was found on the waterside toe of the levee. The picture was taken from the opposite side of the levee.

LM Start	15.33	Rating **	M	Issue No.	132
LM End	15.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.124742 °	38.124742 °
				-121.168376 °	-121.168376 °
DWR ID	DWR_NA0017_08_f_2014_132				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_152\_132\_20141111\_00123.jpg



Rodent holes were found on the landside 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 2014**

**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	11/06/2014 11/10/2014	Pavel Kazi

LM Start	15.67	Rating **	M	Issue No.	90
LM End	15.67	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				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	0.11	Rating **	A	Issue No.	4
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094052 °	38.094052 °
				-121.174726 °	-121.174726 °
DWR ID	DWR_NA0017_09_f_2014_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0017\_153\_4\_20141111\_00002.jpg



View of the waterside of the levee looking upstream.

LM Start	1.32	Rating **	M	Issue No.	5
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.094020 °	38.094020 °
				-121.153255 °	-121.153255 °
DWR ID	DWR_NA0017_09_f_2014_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_153\_5\_20141111\_00003.jpg



View of rodent holes that were found on the landside of the levee looking upstream.

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	0.27	Rating **	C	Issue No.	2
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.094919 °	38.094919 °
				-121.171145 °	-121.171145 °
DWR ID	DWR_NA0017_10_s_2014_2				
Action/Comments					
Agricultural tilling					

No Photos

LM Start	0.87	Rating **	C	Issue No.	5
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.094671 °	38.094671 °
				-121.159286 °	-121.159286 °
DWR ID	DWR_NA0017_10_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several large holes in the waterward berm.					

No Photos

LM Start	1.20	Rating **	A	Issue No.	4
LM End	1.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094289 °	38.094289 °
				-121.153233 °	-121.153233 °
DWR ID	DWR_NA0017_10_f_2014_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0017\_154\_4\_20141111\_00009.jpg



View of 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	0.45	Rating **	C	Issue No.	9
LM End	0.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.101218 °	38.101218 °
				-121.168804 °	-121.168804 °
DWR ID	DWR_NA0017_11_s_2014_9				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	2.09	Rating **	M	Issue No.	23
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.117370 °	38.117370 °
				-121.153446 °	-121.153446 °
DWR ID	DWR_NA0017_11_f_2014_23				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_155\_23\_20141111\_00014.jpg



A slope instability was found on the waterside shoulder 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	0.65	Rating **	C	Issue No.	7
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.103371 °	38.103371 °
				-121.165763 °	-121.165763 °
DWR ID	DWR_NA0017_12_s_2014_7				
Action/Comments					
Debris					

No Photos

LM Start	1.09	Rating **	M	Issue No.	30
LM End	1.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.109259 °	38.109259 °
				-121.164493 °	-121.164493 °
DWR ID	DWR_NA0017_12_f_2014_30				
Action/Comments					
Debris					

No Photos

LM Start	2.22	Rating **	M	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2014\_NA0017\_156\_9\_20141111\_00024.jpg



Updated picture of the rodent holes on the landside 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	2.22	Rating **	M	Issue No.	9 (cont)	
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					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						

Photo 2 of 2 : FA\_2014\_NA0017\_156\_9\_20141021\_00008.jpg



View of a rodent hole that was found on the landside of the levee looking downstream.

LM Start	2.25	Rating **	M	Issue No.	11
LM End	2.25	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_156\_11\_20141021\_00010.jpg



View of rodent holes that were found on the landside toe of the levee upstream.

LM Start	2.41	Rating **	M	Issue No.	31
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.119524 °	38.119524 °
				-121.147546 °	-121.147546 °
DWR ID	DWR_NA0017_12_f_2014_31				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_156\_31\_20141111\_00025.jpg



View of rodent holes that were found on the landside 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	2.79	Rating **	C	Issue No.	13
LM End	2.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.123638 °	38.123638 °
				-121.144226 °	-121.144226 °
DWR ID	DWR_NA0017_12_s_2014_13				
Action/Comments					
Note and monitor erosion site.					

No Photos

LM Start	2.83	Rating **	U	Issue No.	16
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.123222 °	38.123222 °
				-121.144640 °	-121.144640 °
DWR ID	DWR_NA0017_12_s_2014_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Animal hole got bigger caused by erosion.					

Photo 1 of 2 : FA\_2014\_NA0017\_156\_16\_20141111\_00028.jpg



Updated picture of a rodent hole on the waterside of the levee. The picture was taken from the opposite side of the levee during fall 2014 inspection.

LM Start	<b>2.83</b>	Rating **	U	Issue No.	<b>16 (cont)</b>
LM End	<b>2.83</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_156\_16\_20141021\_00013.jpg



View of a rodent hole on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	2.97	Rating **	M	Issue No.	32
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.126304 °	38.126304 °
				-121.143996 °	-121.143996 °
DWR ID	DWR_NA0017_12_f_2014_32				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_156\_32\_20141111\_00026.jpg



View of a slope instability that was found on the waterside of the levee looking upstream.

LM Start	3.16	Rating **	A/W	Issue No.	12
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127388 °	38.127388 °
				-121.141197 °	-121.141197 °
DWR ID	DWR_NA0017_12_s_2012_12				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_156\_12\_20141021\_00011.jpg



View of erosion that was found on the waterside of the levee looking downstream.

LM Start	3.23	Rating **	C	Issue No.	14
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.127995 °	38.127995 °
				-121.140189 °	-121.140189 °
DWR ID	DWR_NA0017_12_s_2014_14				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	3.28	Rating **	M	Issue No.	23
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.128445 °	38.128445 °
				-121.139594 °	-121.139594 °
DWR ID	DWR_NA0017_12_f_2012_23				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 3 : FA\_2014\_NA0017\_156\_23\_20141111\_00027.jpg



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

Photo 2 of 3 : FA\_2014\_NA0017\_156\_23\_20141021\_00016.jpg



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

Photo 3 of 3 : FA\_2014\_NA0017\_156\_23\_20141021\_00015.jpg



A slope instability was found on the waterside of the levee. The picture was taken during fall 2013 inspection looking downstream.

* 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	3.39	Rating **	M	Issue No.	113
LM End	3.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130018 °	38.130018 °
				-121.139019 °	-121.139019 °
DWR ID	DWR_NA0017_12_s_2012_113				
Action/Comments					
Equipment					

Photo 1 of 1 : FA\_2014\_NA0017\_156\_113\_20141021\_00023.jpg



View of farming equipment that was found on the waterside of the levee looking upstream.

LM Start	3.48	Rating **	M	Issue No.	24
LM End	3.48	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 3 : FA\_2014\_NA0017\_156\_24\_20141021\_00018.jpg



Updated picture of the erosion on the waterside of the levee. The picture was taken during spring 2014 inspection looking downstream.

LM Start	<b>3.48</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>3.48</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA\_2014\_NA0017\_156\_24\_20141021\_00019.jpg



View of erosion that 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 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	3.48	Rating **	M	Issue No.	24 (cont)	
LM End	3.48	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					
Action/Comments						
Schedule repair of erosion site prior to the next inspection.						

Photo 3 of 3 : FA\_2014\_NA0017\_156\_24\_20141021\_00020.jpg



Updated picture of the erosion 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	0.43	Rating **	M	Issue No.	8
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.110031 °	38.110031 °
				-121.152630 °	-121.152630 °
DWR ID	DWR_NA0017_14_f_2013_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2014\_NA0017\_158\_8\_20141021\_00009.jpg



Updated picture of the rodent hole on the waterside shoulder of the levee looking upstream during the spring 2014 inspection.

Photo 2 of 2 : FA\_2014\_NA0017\_158\_8\_20141021\_00010.jpg



View of a rodent hole on the waterside shoulder of the levee looking upstream.

LM Start	0.44	Rating **	M	Issue No.	13
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.110133 °	38.110133 °
				-121.152486 °	-121.152486 °
DWR ID	DWR_NA0017_14_f_2014_13				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_158\_13\_20141111\_00011.jpg



View of a slope instability that was found on the waterside shoulder 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

# 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 2014**

**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	11/10/2014 11/10/2014	Pavel Kazi

LM Start	0.83	Rating **	M	Issue No.	2
LM End	0.83	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				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_158\_2\_20141021\_00002.jpg



View of a large diameter rodent hole in the waterward berm 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	1153
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.992900 °	121.294410 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s_2014_1153				
Action/Comments					
Garbage Inspector Comments: Removed old jute erosion control rolls from levee slope.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	1154
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.992900 °	121.294410 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s_2014_1154				
Action/Comments					
Inspector Comments: Removed a ballard from levee					

No Photos

LM Start	0.00	Rating **	U	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				
Action/Comments					
Inspector Comments: This is the Upper Calaveras river channel. No levee exists. A downed oak tree and wood debris were removed from the channel.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	0.87	Rating **	M	Issue No.	4
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.045390 °	38.045390 °
				-121.024111 °	-121.024111 °
DWR ID	DWR_NA0017_15_f_2013_4				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_4\_20141021\_00003.jpg



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

LM Start	1.39	Rating **	M	Issue No.	160
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.040482 °	38.040482 °
				-121.030357 °	-121.030357 °
DWR ID	DWR_NA0017_15_f_2014_160				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_160\_20141118\_00132.jpg



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

LM Start	1.47	Rating **	N	Issue No.	1128
LM End	1.47	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				
Action/Comments					
Tree stumps.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	1.52	Rating **	M	Issue No.	995
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.040202 °	38.040202 °
				-121.032659 °	-121.032659 °
DWR ID	DWR_NA0017_15_s_2012_995				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: The LMA was working on fixing the erosion site using an excavator during the inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_995\_20141021\_00116.jpg



View of erosion of waterward levee slope looking upstream.

LM Start	2.09	Rating **	M	Issue No.	18
LM End	2.09	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				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA\_2014\_NA0017\_159\_18\_20141021\_00010.jpg



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

LM Start	<b>2.09</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>2.09</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_159\_18\_20141021\_00011.jpg



Slope instability was found on the waterside toe 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	3.62	Rating **	M	Issue No.	54
LM End	3.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.021601 °	38.021601 °
				-121.061284 °	-121.061284 °
DWR ID	DWR_NA0017_15_s_2012_54				
Action/Comments					
Pipe Inspector Comments: A recently placed pipe in the waterward slope may be leaking and was not authorized.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_54\_20141021\_00043.jpg



View of a recently placed pipe in the waterward slope looking downstream.

LM Start	3.64	Rating **	C	Issue No.	17
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.021468 °	38.021468 °
				-121.061442 °	-121.061442 °
DWR ID	DWR_NA0017_15_f_2013_17				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	3.81	Rating **	C	Issue No.	42
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.019623 °	38.019623 °
				-121.063492 °	-121.063492 °
DWR ID	DWR_NA0017_15_f_2012_42				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	3.86	Rating **	M	Issue No.	43
LM End	3.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.019119 °	38.019119 °
				-121.064034 °	-121.064034 °
DWR ID	DWR_NA0017_15_f_2012_43				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA\_2014\_NA0017\_159\_43\_20141021\_00032.jpg



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

LM Start	<b>3.86</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>3.86</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_159\_43\_20141021\_00033.jpg



Slope instability was found on the landside slope 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	3.97	Rating **	M	Issue No.	44
LM End	3.97	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				
Action/Comments					
Repair slope instability.					

Photo 1 of 5 : FA\_2014\_NA0017\_159\_44\_20141118\_00133.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	<b>3.97</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>3.97</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA\_2014\_NA0017\_159\_44\_20141021\_00035.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during spring 2014 inspection.

LM Start	<b>3.97</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>3.97</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA\_2014\_NA0017\_159\_44\_20141021\_00034.jpg



Updated picture of the slope instability on the waterside slope 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	3.97	Rating **	M	Issue No.	44 (cont)	
LM End	3.97	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					
Action/Comments						
Repair slope instability.						

Photo 4 of 5 : FA\_2014\_NA0017\_159\_44\_20141021\_00036.jpg



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

LM Start	<b>3.97</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>3.97</b>	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : FA\_2014\_NA0017\_159\_44\_20141021\_00037.jpg



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

LM Start	4.28	Rating **	M	Issue No.	61
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.014110 °	38.014110 °
				-121.067899 °	-121.067899 °
DWR ID	DWR_NA0017_15_s_2014_61				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	4.29	Rating **	M	Issue No.	19
LM End	4.29	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				
Action/Comments					
Prunings Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 2 : FA\_2014\_NA0017\_159\_19\_20141021\_00012.jpg



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

LM Start	<b>4.29</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>4.29</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0017\_159\_19\_20141021\_00013.jpg



Example of a prunings pile immediately adjacent to access road at LM 4.29. Evidence of habitual burnings at this site.

LM Start	4.41	Rating **	C	Issue No.	33
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.012471 °	38.012471 °
				-121.068662 °	-121.068662 °
DWR ID	DWR_NA0017_15_f_2013_33				
Action/Comments					
Repair slope instability.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	4.44	Rating **	U	Issue No.	124
LM End	4.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.012910 °	38.012910 °
				-121.067996 °	-121.067996 °
DWR ID	DWR_NA0017_15_s_2013_124				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Picture was taken from the other side of the levee.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_124\_20141021\_00093.jpg



An animal hole was found on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	4.73	Rating **	M	Issue No.	96
LM End	4.73	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				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: LMA has fixed the issue but the riprap has rebar which would can be dangerous during the flood fighting efforts.					

Photo 1 of 3 : FA\_2014\_NA0017\_159\_96\_20141021\_00073.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during spring 2013 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	4.73	Rating **	M	Issue No.	96 (cont)	
LM End	4.73	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					
Action/Comments						
Note and monitor erosion site. Inspector Comments: LMA has fixed the issue but the riprap has rebar which would can be dangerous during the flood fighting efforts.						

Photo 2 of 3 : FA\_2014\_NA0017\_159\_96\_20141021\_00074.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>4.73</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>4.73</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2014\_NA0017\_159\_96\_20141021\_00075.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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	5.13	Rating **	M	Issue No.	171
LM End	5.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.003105 °	38.003105 °
				-121.073585 °	-121.073585 °
DWR ID	DWR_NA0017_15_f_2014_171				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_171\_20141118\_00134.jpg



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

LM Start	5.14	Rating **	M	Issue No.	1009
LM End	5.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.003021 °	38.003021 °
				-121.073658 °	-121.073658 °
DWR ID	DWR_NA0017_15_s_2012_1009				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_1009\_20141021\_00117.jpg



View of a slip in the waterward levee slope looking downstream.

LM Start	5.69	Rating **	C	Issue No.	26
LM End	5.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.996601 °	37.996601 °
				-121.079401 °	-121.079401 °
DWR ID	DWR_NA0017_15_s_2013_26				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	6.12	Rating **	M	Issue No.	41
LM End	6.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.991648 °	37.991648 °
				-121.083924 °	-121.083924 °
DWR ID	DWR_NA0017_15_s_2013_41				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_41\_20141021\_00030.jpg



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

LM Start	6.20	Rating **	M	Issue No.	116
LM End	6.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.990773 °	37.990773 °
				-121.084706 °	-121.084706 °
DWR ID	DWR_NA0017_15_s_2012_116				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_116\_20141021\_00087.jpg



Animal holes were found on the waterside of the levee looking downstream.

LM Start	6.30	Rating **	M	Issue No.	75
LM End	6.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.989630 °	37.989630 °
				-121.085754 °	-121.085754 °
DWR ID	DWR_NA0017_15_s_2014_75				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_75\_20141021\_00058.jpg



A rodent hole was found 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	6.40	Rating **	M	Issue No.	172
LM End	6.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.988517 °	37.988517 °
				-121.086775 °	-121.086775 °
DWR ID	DWR_NA0017_15_f_2014_172				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Arrundo					

No Photos

LM Start	6.57	Rating **	C	Issue No.	67
LM End	6.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.986503 °	37.986503 °
				-121.088477 °	-121.088477 °
DWR ID	DWR_NA0017_15_f_2013_67				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.57	Rating **	C	Issue No.	81
LM End	6.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.986522 °	37.986522 °
				-121.088510 °	-121.088510 °
DWR ID	DWR_NA0017_15_s_2014_81				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	6.59	Rating **	M	Issue No.	98
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.986225 °	37.986225 °
				-121.088704 °	-121.088704 °
DWR ID	DWR_NA0017_15_f_2012_98				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_98\_20141021\_00076.jpg



Prunings were found on the landside of the levee looking downstream.

LM Start	6.61	Rating **	C	Issue No.	90
LM End	6.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.986018 °	37.986018 °
				-121.088877 °	-121.088877 °
DWR ID	DWR_NA0017_15_s_2012_90				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	6.75	Rating **	A/W	Issue No.	79
LM End	6.88	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				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Farmer tilling & driving onto levee, causing erosion.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	6.79	Rating **	C	Issue No.	105
LM End	6.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.984100 °	37.984100 °
				-121.090772 °	-121.090772 °
DWR ID	DWR_NA0017_15_s_2014_105				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.80	Rating **	M	Issue No.	108
LM End	6.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983930 °	37.983930 °
				-121.091021 °	-121.091021 °
DWR ID	DWR_NA0017_15_s_2014_108				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.86	Rating **	C	Issue No.	113
LM End	6.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983511 °	37.983511 °
				-121.091645 °	-121.091645 °
DWR ID	DWR_NA0017_15_s_2014_113				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	7.11	Rating **	M	Issue No.	115
LM End	7.35	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				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_115\_20141021\_00086.jpg



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

LM Start	7.36	Rating **	M	Issue No.	102
LM End	7.36	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				
Action/Comments					
Debris					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_102\_20141021\_00077.jpg



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

LM Start	8.06	Rating **	M	Issue No.	104
LM End	8.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.974304 °	37.974304 °
				-121.109625 °	-121.109625 °
DWR ID	DWR_NA0017_15_s_2012_104				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 2 : FA\_2014\_NA0017\_159\_104\_20141021\_00078.jpg



Updated picture of the Arundo on the waterside slope 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	8.49	Rating **	M	Issue No.	62
LM End	8.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.970147 °	37.970147 °
				-121.114849 °	-121.114849 °
DWR ID	DWR_NA0017_15_s_2013_62				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_62\_20141021\_00047.jpg



An animal hole was found on the landside slope of the levee looking downstream.

LM Start	8.61	Rating **	M	Issue No.	65
LM End	8.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.969748 °	37.969748 °
				-121.116767 °	-121.116767 °
DWR ID	DWR_NA0017_15_s_2013_65				
Action/Comments					
Repair slope instability.					

Photo 1 of 3 : FA\_2014\_NA0017\_159\_65\_20141021\_00049.jpg



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

LM Start	<b>8.61</b>	Rating **	M	Issue No.	<b>65 (cont)</b>
LM End	<b>8.61</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA\_2014\_NA0017\_159\_65\_20141021\_00050.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream during spring 2014 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	10.01	Rating **	M	Issue No.	147
LM End	10.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.965314 °	37.965314 °
				-121.140296 °	-121.140296 °
DWR ID	DWR_NA0017_15_s_2012_147				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_147\_20141021\_00104.jpg



Prunings were found on the waterside shoulder of the levee looking downstream.

LM Start	10.04	Rating **	M	Issue No.	126
LM End	10.04	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_126\_20141021\_00095.jpg



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

LM Start	10.11	Rating **	M	Issue No.	68
LM End	10.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.965165 °	37.965165 °
				-121.141928 °	-121.141928 °
DWR ID	DWR_NA0017_15_s_2013_68				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_68\_20141021\_00055.jpg



Slope instability was found on the waterside slope 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	10.35	Rating **	M	Issue No.	87
LM End	10.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.965055 °	37.965055 °
				-121.146293 °	-121.146293 °
DWR ID	DWR_NA0017_15_s_2012_87				
Action/Comments					
Prunings Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_87\_20141021\_00066.jpg



Prunings were found on the crown of the levee looking downstream.

LM Start	10.62	Rating **	M	Issue No.	78
LM End	10.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.964942 °	37.964942 °
				-121.151073 °	-121.151073 °
DWR ID	DWR_NA0017_15_s_2012_78				
Action/Comments					
Prunings					

Photo 1 of 2 : FA\_2014\_NA0017\_159\_78\_20141021\_00059.jpg



Prunings were found on the waterside of the levee looking downstream.

LM Start	<b>10.62</b>	Rating **	M	Issue No.	<b>78 (cont)</b>
LM End	<b>10.62</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_159\_78\_20141021\_00060.jpg



View of the prunings pile on the waterward slope 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	10.75	Rating **	M	Issue No.	174
LM End	10.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.964605 °	37.964605 °
				-121.153369 °	-121.153369 °
DWR ID	DWR_NA0017_15_f_2014_174				
Action/Comments					
Prunings					

No Photos

LM Start	11.00	Rating **	M	Issue No.	106
LM End	11.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.963319 °	37.963319 °
				-121.157557 °	-121.157557 °
DWR ID	DWR_NA0017_15_s_2012_106				
Action/Comments					
Prunings					
Inspector Comments: Prunings and ashes piled at the toe.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_106\_20141118\_00135.jpg



Prunings were found on the landside of the levee looking downstream.

LM Start	11.05	Rating **	C	Issue No.	145
LM End	11.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.962984 °	37.962984 °
				-121.158332 °	-121.158332 °
DWR ID	DWR_NA0017_15_f_2012_145				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	15.49	Rating **	M	Issue No.	181
LM End	15.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.974490 °	37.974490 °
				-121.231328 °	-121.231328 °
DWR ID	DWR_NA0017_15_f_2014_181				
Action/Comments					
Repair slope instability. Inspector Comments: Surface runoff.					

No Photos

LM Start	15.68	Rating **	M	Issue No.	183
LM End	15.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975700 °	37.975700 °
				-121.234325 °	-121.234325 °
DWR ID	DWR_NA0017_15_f_2014_183				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	15.72	Rating **	M	Issue No.	32
LM End	15.72	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_32\_20141021\_00024.jpg



A rodent hole 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	15.73	Rating **	M	Issue No.	71
LM End	15.73	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2014\_NA0017\_159\_71\_20141118\_00140.jpg



Updated picture of the animal hole on the landside of the levee looking upstream during fall 2014 inspection.

LM Start	<b>15.73</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>15.73</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0017\_159\_71\_20141021\_00056.jpg



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

LM Start	16.08	Rating **	M	Issue No.	80
LM End	16.08	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.978396 °	37.978396 °
				-121.240769 °	-121.240769 °
DWR ID	DWR_NA0017_15_s_2013_80				
Action/Comments					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_80\_20141021\_00061.jpg



The monolith joint material is deteriorating at the waterside shoulder 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	16.39	Rating **	C	Issue No.	88
LM End	16.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980513 °	37.980513 °
				-121.245495 °	-121.245495 °
DWR ID	DWR_NA0017_15_f_2013_88				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff on the landside of the levee.					

No Photos

LM Start	16.52	Rating **	M	Issue No.	86
LM End	16.52	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				
Action/Comments					

No Photos

LM Start	16.58	Rating **	M	Issue No.	184
LM End	16.58	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Surface runoff.					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_184\_20141118\_00141.jpg



Erosion caused by surface runoff was found on the landside 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	16.87	Rating **	M	Issue No.	93
LM End	16.87	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				
Action/Comments					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_93\_20141021\_00071.jpg



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

LM Start	16.87	Rating **	C	Issue No.	89
LM End	16.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.983744 °	37.983744 °
				-121.253210 °	-121.253210 °
DWR ID	DWR_NA0017_15_s_2013_89				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Run off at the landside slope of the levee.					

No Photos

LM Start	18.39	Rating **	C	Issue No.	129
LM End	18.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.993847 °	37.993847 °
				-121.277254 °	-121.277254 °
DWR ID	DWR_NA0017_15_s_2014_129				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	18.44	Rating **	M	Issue No.	567
LM End	18.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.994859 °	37.994859 °
				-121.275862 °	-121.275862 °
DWR ID	DWR_NA0017_15_s_2012_567				
Action/Comments					
Equipment					

Photo 1 of 1 : FA\_2014\_NA0017\_159\_567\_20141021\_00112.jpg



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

LM Start	18.60	Rating **	M	Issue No.	131
LM End	18.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.999901 °	37.999901 °
				-121.271303 °	-121.271303 °
DWR ID	DWR_NA0017_15_s_2012_131				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	20.09	Rating **	M	Issue No.	132
LM End	20.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.993719 °	37.993719 °
				-121.284698 °	-121.284698 °
DWR ID	DWR_NA0017_15_s_2014_132				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2014\_NA0017\_159\_132\_20141118\_00142.jpg



Updated picture of the animal hole on the landside of the levee during fall 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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	20.09	Rating **	M	Issue No.	132 (cont)
LM End	20.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.993719 °	37.993719 °
				-121.284698 °	-121.284698 °
DWR ID	DWR_NA0017_15_s_2014_132				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 2 of 2 : FA\_2014\_NA0017\_159\_132\_20141021\_00097.jpg



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

LM Start	20.17	Rating **	N	Issue No.	103
LM End	20.17	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	20.80	Rating **	C	Issue No.	133
LM End	20.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.992259 °	37.992259 °
				-121.297191 °	-121.297191 °
DWR ID	DWR_NA0017_15_s_2014_133				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	21.42	Rating **	M	Issue No.	190
LM End	21.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.989355 °	37.989355 °
				-121.306845 °	-121.306845 °
DWR ID	DWR_NA0017_15_f_2014_190				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	22.17	Rating **	M	Issue No.	173
LM End	22.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981068 °	37.981068 °
				-121.315159 °	-121.315159 °
DWR ID	DWR_NA0017_15_s_2012_173				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 3 : FA\_2014\_NA0017\_159\_173\_20141021\_00106.jpg



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

LM Start	<b>22.17</b>	Rating **	M	Issue No.	<b>173 (cont)</b>
LM End	<b>22.17</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2014\_NA0017\_159\_173\_20141021\_00107.jpg



Updated picture of the erosion caused by run off on the landside slope of the levee looking downstream during spring 2013 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 2014**

**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	11/12/2014 11/14/2014	Pavel Kazi

LM Start	22.17	Rating **	M	Issue No.	173 (cont)	
LM End	22.17	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			37.981068 °	37.981068 °	
				-121.315159 °	-121.315159 °	
DWR ID	DWR_NA0017_15_s_2012_173					
Action/Comments						
Schedule repair of erosion site prior to the next inspection.						

Photo 3 of 3 : FA\_2014\_NA0017\_159\_173\_20141021\_00108.jpg



Updated picture of the erosion located on the landside of the levee looking downstream.

LM Start	23.61	Rating **	C	Issue No.	119
LM End	23.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.979951 °	37.979951 °
				-121.339787 °	-121.339787 °
DWR ID	DWR_NA0017_15_s_2013_119				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	24.03	Rating **	N	Issue No.	176
LM End	24.03	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				
Action/Comments					
Tree stumps.					

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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	793
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.055298 °	38.055298 °
				-121.000460 °	-121.000460 °
DWR ID	DWR_NA0017_16_f_2013_793				
Action/Comments					
Inspector Comments: This is in a small section of the upper Calaveras River, above Escallon-Bellota Road. The county has a small section that we maintain above the water. A large tree fell into the channel; the root ball was over 15 feet in diameter. We worked with Stockton East and their divers to remove most of the tree from the channel. Some of the tree remains in the channel because of it being too heavy (water-logged) to remove at this time. Crews plan to go back to remove it when the water goes down.					

No Photos

LM Start	0.12	Rating **	U	Issue No.	272
LM End	0.48	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					
Action/Comments					
Inspector Comments: 8/20/2014: The erosion at the site has worsened. The erosion increased both 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. [2014 Site ID:NA0017U16RM23.35]					

Photo 1 of 1 : SJR2014\_NA0017U16RM23.35\_1.jpg



Close view of the erosion.

LM Start	0.70	Rating **	N	Issue No.	216
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.045610 °	38.045610 °
				-121.022607 °	-121.022607 °
DWR ID	DWR_NA0017_16_s_2012_216				
Action/Comments					
Tree stumps.					

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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	0.83	Rating **	M	Issue No.	72
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.044366 °	38.044366 °
				-121.024280 °	-121.024280 °
DWR ID	DWR_NA0017_16_s_2012_72				
Action/Comments					
Equipment					

No Photos

LM Start	0.97	Rating **	U	Issue No.	271
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.043080 °	38.043080 °
				-121.026280 °	-121.026280 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: 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. [2014 Site ID:NA0017U16RM22.74]					

Photo 1 of 1 : SJR2014\_NA0017U16RM22.74\_1.jpg



View of the site from right river bank.

LM Start	1.13	Rating **	U	Issue No.	270
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.041260 °	38.041260 °
				-121.027730 °	-121.027730 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM22.58]					

Photo 1 of 1 : SJR2014\_NA0017U16RM22.58\_1.jpg



Front view of the erosion and broken concrete protection on the levee 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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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	1.77	Rating **	M	Issue No.	219
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					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed 9/12/2013: 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. [2014 Site ID:NA0017U16RM21.94]					

Photo 1 of 1 : SJR2014\_NA0017U16RM21.94\_1.jpg



Looking at the erosion from right river bank.

LM Start	1.88	Rating **	M	Issue No.	183
LM End	1.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.037320 °	38.037320 °
				-121.039563 °	-121.039563 °
DWR ID	DWR_NA0017_16_s_2014_183				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_183\_20141021\_00128.jpg



Rodent holes were found on the waterside of the levee looking downstream.

LM Start	1.93	Rating **	M	Issue No.	217
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037150 °	38.037150 °
				-121.040580 °	-121.040580 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM21.05]					

Photo 1 of 1 : SJR2014\_NA0017U16RM21.05\_1.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	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	1.97	Rating **	M	Issue No.	155
LM End	1.97	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_155\_20141021\_00104.jpg



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

LM Start	2.07	Rating **	M	Issue No.	85
LM End	2.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.035118 °	38.035118 °
				-121.041227 °	-121.041227 °
DWR ID	DWR_NA0017_16_s_2012_85				
Action/Comments					
Prunings					

No Photos

LM Start	2.31	Rating **	M	Issue No.	215
LM End	2.32	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					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM20.71]					

Photo 1 of 1 : SJR2014\_NA0017U16RM20.71\_1.jpg



Closer 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	2.37	Rating **	U	Issue No.	214
LM End	2.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.032202 °	38.032202 °
				-121.045226 °	-121.045226 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change has been observed.					
9/12/2013: No significant change observed.					
08/22/2012: The erosion was first reported in the 2012 spring levee inspection report. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2014 Site ID:NA0017U16RM20.62]					

Photo 1 of 1 : SJR2014\_NA0017U16RM20.62\_1.jpg



Close view of the erosion. Note the vegetation at the site.

LM Start	2.42	Rating **	M	Issue No.	213
LM End	2.42	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				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_213\_20141021\_00146.jpg



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

LM Start	<b>2.42</b>	Rating **	M	Issue No.	<b>213 (cont)</b>
LM End	<b>2.42</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_213\_20141021\_00147.jpg



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



# 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	2.72	Rating **	C	Issue No.	149
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.028765 °	38.028765 °
				-121.049537 °	-121.049537 °
DWR ID	DWR_NA0017_16_s_2014_149				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	3.00	Rating **	U	Issue No.	212
LM End	3.06	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					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM20]					

Photo 1 of 1 : SJR2014\_NA0017U16RM20\_1.jpg



Front view of the erosion.

LM Start	3.52	Rating **	M	Issue No.	53
LM End	3.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.021650 °	38.021650 °
				-121.060312 °	-121.060312 °
DWR ID	DWR_NA0017_16_s_2012_53				
Action/Comments					
Prunings					
Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_53\_20141021\_00027.jpg



Prunings were found on the waterside shoulder 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  
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**San Joaquin County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	3.59	Rating **	M	Issue No.	152
LM End	3.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.020965 °	38.020965 °
				-121.061215 °	-121.061215 °
DWR ID	DWR_NA0017_16_f_2013_152				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_152\_20141021\_00102.jpg



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

LM Start	3.61	Rating **	M	Issue No.	210
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					
Action/Comments					
Inspector Comments: 8/20/2014: A pocket erosion was found near the water's edge. [2014 Site ID:NA0017U16RM19.29]					

Photo 1 of 1 : SJR2014\_NA0017U16RM19.29\_1.jpg



View of the site from the right river bank.

LM Start	3.65	Rating **	M	Issue No.	230
LM End	3.65	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_230\_20141021\_00156.jpg



Erosion was found on the waterside slope 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	3.65	Rating **	M	Issue No.	230 (cont)	
LM End	3.65	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					
Action/Comments						
Schedule repair of erosion site prior to the next inspection.						

Photo 2 of 2 : FA\_2014\_NA0017\_160\_230\_20141021\_00157.jpg



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

LM Start	3.73	Rating **	M	Issue No.	211
LM End	3.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.019604 °	38.019604 °
				-121.062883 °	-121.062883 °
DWR ID	DWR_NA0017_16_s_2012_211				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	3.78	Rating **	M	Issue No.	209
LM End	3.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.019290 °	38.019290 °
				-121.063810 °	-121.063810 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM19.28]					

Photo 1 of 1 : SJR2014\_NA0017U16RM19.28\_1.jpg



Front view of the repaired 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	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	3.79	Rating **	M	Issue No.	266
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.018892 °	38.016572 °
				-121.063528 °	-121.065962 °
DWR ID	DWR_NA0017_16_f_2014_266				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.84	Rating **	C	Issue No.	208
LM End	3.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.018600 °	38.018600 °
				-121.064390 °	-121.064390 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: This site was repaired prior to this survey. 08/22/2012: The erosion is covered with grass and shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2014 Site ID:NA0017U16RM19.23]					

No Photos

LM Start	3.89	Rating **	M	Issue No.	207
LM End	3.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.018100 °	38.018100 °
				-121.065170 °	-121.065170 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM19.18]					

Photo 1 of 1 : SJR2014\_NA0017U16RM19.18\_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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	3.93	Rating **	M	Issue No.	267
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.017398 °	38.017398 °
				-121.065198 °	-121.065198 °
DWR ID	DWR_NA0017_16_f_2014_267				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.32	Rating **	U	Issue No.	205
LM End	4.34	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					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM18.69]					

Photo 1 of 1 : SJR2014\_NA0017U16RM18.69\_1.jpg



View of the erosion site.

LM Start	4.34	Rating **	M	Issue No.	228
LM End	4.34	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				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_228\_20141125\_00174.jpg



Updated picture of the slope instability 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	4.34	Rating **	M	Issue No.	228 (cont)	
LM End	4.34	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					
Action/Comments						
Repair slope instability.						

Photo 2 of 2 : FA\_2014\_NA0017\_160\_228\_20141021\_00155.jpg



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

LM Start	4.43	Rating **	M	Issue No.	73
LM End	4.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.011053 °	38.011053 °
				-121.068651 °	-121.068651 °
DWR ID	DWR_NA0017_16_s_2013_73				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_73\_20141021\_00041.jpg



Updated picture of the erosion on the waterside of the levee looking upstream.

LM Start	<b>4.43</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>4.43</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_73\_20141021\_00042.jpg



Erosion was found on the waterside shoulder 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	4.52	Rating **	M	Issue No.	141
LM End	4.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.009858 °	38.009858 °
				-121.069005 °	-121.069005 °
DWR ID	DWR_NA0017_16_s_2014_141				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_141\_20141021\_00093.jpg



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

LM Start	5.03	Rating **	U	Issue No.	201
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.003730 °	38.003730 °
				-121.073080 °	-121.073080 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM17.99]					

Photo 1 of 1 : SJR2014\_NA0017U16RM17.99\_1.jpg



View from right river bank.

LM Start	5.04	Rating **	C	Issue No.	138
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.003305 °	38.003305 °
				-121.072824 °	-121.072824 °
DWR ID	DWR_NA0017_16_s_2014_138				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

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	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	5.37	Rating **	M	Issue No.	265
LM End	5.37	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				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_265\_20141125\_00173.jpg



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

LM Start	5.46	Rating **	N	Issue No.	226
LM End	5.46	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	5.46	Rating **	N	Issue No.	195
LM End	5.46	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				
Action/Comments					
Tree stumps.					

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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	5.89	Rating **	M	Issue No.	57
LM End	5.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993593 °	37.993030 °
				-121.081493 °	-121.082014 °
DWR ID	DWR_NA0017_16_s_2012_57				
Action/Comments					
Equipment					

No Photos

LM Start	5.94	Rating **	M	Issue No.	172
LM End	5.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993108 °	37.993108 °
				-121.082033 °	-121.082033 °
DWR ID	DWR_NA0017_16_s_2012_172				
Action/Comments					
Equipment					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_172\_20141021\_00119.jpg



View of equipment located on the waterward side looking upstream.

LM Start	6.06	Rating **	M	Issue No.	264
LM End	6.06	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				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_264\_20141125\_00172.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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	6.35	Rating **	M	Issue No.	170
LM End	6.35	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_170\_20141125\_00171.jpg



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

LM Start	<b>6.35</b>	Rating **	M	Issue No.	<b>170 (cont)</b>
LM End	<b>6.35</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_170\_20141021\_00117.jpg



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

LM Start	6.44	Rating **	M	Issue No.	50
LM End	6.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.987303 °	37.987303 °
				-121.087292 °	-121.087292 °
DWR ID	DWR_NA0017_16_s_2014_50				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_50\_20141021\_00025.jpg



View of a rodent hole on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

<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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	6.72	Rating **	U	Issue No.	169
LM End	6.91	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					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM16.27]					

Photo 1 of 1 : SJR2014\_NA0017U16RM16.27\_1.jpg



Downstream view of the site from the right river bank.

LM Start	6.92	Rating **	M	Issue No.	120
LM End	6.92	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				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_120\_20141125\_00170.jpg



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

LM Start	<b>6.92</b>	Rating **	M	Issue No.	<b>120 (cont)</b>
LM End	<b>6.92</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_120\_20141021\_00072.jpg



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



# San Joaquin County Flood Control and Water Conservation District

* 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



# San Joaquin County Flood Control and Water Conservation District

* 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	8.85	Rating **	M	Issue No.	128 (cont)	
LM End	8.85	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					
Action/Comments						
Repair slope instability.						

Photo 2 of 2 : FA\_2014\_NA0017\_160\_128\_20141021\_00079.jpg



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

LM Start	8.94	Rating **	M	Issue No.	127
LM End	8.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.968164 °	37.968164 °
				-121.122184 °	-121.122184 °
DWR ID	DWR_NA0017_16_f_2013_127				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Collapsed animal hole on the waterside shoulder of the levee.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_127\_20141021\_00077.jpg



A collapsed animal hole was found on the waterside shoulder of the levee looking upstream.

LM Start	8.99	Rating **	M	Issue No.	165
LM End	8.99	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					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM13.86]					

Photo 1 of 1 : SJR2014\_NA0017U16RM13.86\_1.jpg



Front view of the erosion.

* 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	9.07	Rating **	U	Issue No.	164
LM End	9.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.967019 °	37.967019 °
				-121.127581 °	-121.127581 °
DWR ID					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM13.85]					

Photo 1 of 1 : SJR2014\_NA0017U16RM13.85\_1.jpg



View of the site from the right river bank.

LM Start	9.27	Rating **	C	Issue No.	129
LM End	9.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.966580 °	37.966580 °
				-121.127376 °	-121.127376 °
DWR ID	DWR_NA0017_16_s_2013_129				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	9.39	Rating **	M	Issue No.	163
LM End	9.41	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					
Action/Comments					
Inspector Comments: 8/20/2014: No significant change observed. 9/12/2013: 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. [2014 Site ID:NA0017U16RM13.72]					

Photo 1 of 1 : SJR2014\_NA0017U16RM13.72\_1.jpg



Upstream 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





# San Joaquin County Flood Control and Water Conservation District

No Photos

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

Downstream view of the site from the right river bank.

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	10.77	Rating **	M	Issue No.	91
LM End	10.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.964159 °	37.964159 °
				-121.153094 °	-121.153094 °
DWR ID	DWR_NA0017_16_s_2012_91				
Action/Comments					
Prunings					

No Photos

LM Start	10.80	Rating **	M	Issue No.	80
LM End	10.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.964053 °	37.964053 °
				-121.153671 °	-121.153671 °
DWR ID	DWR_NA0017_16_s_2012_80				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	11.07	Rating **	M	Issue No.	90
LM End	11.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.962472 °	37.962472 °
				-121.158112 °	-121.158112 °
DWR ID	DWR_NA0017_16_s_2012_90				
Action/Comments					
Prunings					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_90\_20141021\_00053.jpg



Prunings were found on the waterside shoulder 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	11.07	Rating **	M	Issue No.	90 (cont)	
LM End	11.07	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.962472 °		37.962472 °
				-121.158112 °		-121.158112 °
DWR ID	DWR_NA0017_16_s_2012_90					
Action/Comments						
Prunings						

Photo 2 of 2 : FA\_2014\_NA0017\_160\_90\_20141021\_00054.jpg



Prunings were found on the waterside of the levee looking downstream.

LM Start	11.11	Rating **	M	Issue No.	139
LM End	11.11	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_139\_20141021\_00090.jpg



Updated picture of the erosion on the waterside shoulder of the levee looking downstream.

LM Start	<b>11.11</b>	Rating **	M	Issue No.	<b>139 (cont)</b>
LM End	<b>11.11</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_139\_20141021\_00091.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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	11.16	Rating **	M	Issue No.	140
LM End	11.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961681 °	37.961681 °
				-121.159346 °	-121.159346 °
DWR ID	DWR_NA0017_16_s_2013_140				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_140\_20141021\_00092.jpg



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

LM Start	11.21	Rating **	M	Issue No.	108
LM End	11.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961494 °	37.961494 °
				-121.160196 °	-121.160196 °
DWR ID	DWR_NA0017_16_s_2014_108				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_108\_20141021\_00061.jpg



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

LM Start	13.29	Rating **	M	Issue No.	261
LM End	13.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960292 °	37.960292 °
				-121.196308 °	-121.196308 °
DWR ID	DWR_NA0017_16_f_2014_261				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_261\_20141125\_00168.jpg



An animal hole was found 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	13.41	Rating **	C	Issue No.	97
LM End	13.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960567 °	37.960567 °
				-121.198386 °	-121.198386 °
DWR ID	DWR_NA0017_16_s_2014_97				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	14.58	Rating **	C	Issue No.	145
LM End	14.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.966751 °	37.966751 °
				-121.216677 °	-121.216677 °
DWR ID	DWR_NA0017_16_s_2013_145				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	14.85	Rating **	M	Issue No.	260
LM End	14.85	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_260\_20141125\_00167.jpg



Rodent holes were found on the landside slope 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	14.97	Rating **	M	Issue No.	259
LM End	14.97	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				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	15.52	Rating **	C	Issue No.	75
LM End	15.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.973588 °	37.973588 °
				-121.231265 °	-121.231265 °
DWR ID	DWR_NA0017_16_s_2014_75				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	16.52	Rating **	M	Issue No.	71
LM End	16.52	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	16.83	Rating **	M	Issue No.	150
LM End	16.83	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_150\_20141125\_00166.jpg



Updated picture of the erosion on the landside of the levee looking downstream.

LM Start	<b>16.83</b>	Rating **	M	Issue No.	<b>150 (cont)</b>
LM End	<b>16.83</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_150\_20141021\_00099.jpg



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

LM Start	16.99	Rating **	M	Issue No.	258
LM End	16.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983432 °	37.983432 °
				-121.254645 °	-121.254645 °
DWR ID	DWR_NA0017_16_f_2014_258				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_258\_20141125\_00165.jpg



An animal hole was found landside 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	19.48	Rating **	N	Issue No.	65
LM End	19.48	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				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_65\_20141021\_00035.jpg



Tree stump was found on the landside of the levee looking upstream.

LM Start	20.33	Rating **	M	Issue No.	257
LM End	20.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.986090 °	37.986090 °
				-121.307283 °	-121.307283 °
DWR ID	DWR_NA0017_16_f_2014_257				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	20.38	Rating **	M	Issue No.	256
LM End	20.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.985457 °	37.985457 °
				-121.307658 °	-121.307658 °
DWR ID	DWR_NA0017_16_f_2014_256				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_256\_20141125\_00164.jpg



An animal hole was found on the landside toe 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	21.26	Rating **	N	Issue No.	95
LM End	21.26	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	21.30	Rating **	N	Issue No.	84
LM End	21.30	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				
Action/Comments					
Tree stumps.					

No Photos

LM Start	21.31	Rating **	M	Issue No.	86
LM End	21.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.980156 °	37.980156 °
				-121.320615 °	-121.320615 °
DWR ID	DWR_NA0017_16_f_2013_86				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_86\_20141021\_00051.jpg



Crown depression was found on 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	21.31	Rating **	M	Issue No.	83
LM End	21.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.980192 °	37.980192 °
				-121.320720 °	-121.320720 °
DWR ID	DWR_NA0017_16_f_2013_83				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_83\_20141021\_00049.jpg



View of rodent holes on the landside of the levee looking upstream during spring 2014 inspection.

LM Start	<b>21.31</b>	Rating **	M	Issue No.	<b>83 (cont)</b>
LM End	<b>21.31</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_83\_20141021\_00050.jpg



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

LM Start	21.34	Rating **	M	Issue No.	255
LM End	21.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980367 °	37.980367 °
				-121.321213 °	-121.321213 °
DWR ID	DWR_NA0017_16_f_2014_255				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_255\_20141125\_00163.jpg



Erosion occurred due to surface runoff on the waterside shoulder 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	21.37	Rating **	M	Issue No.	175
LM End	21.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980477 °	37.980477 °
				-121.321656 °	-121.321656 °
DWR ID	DWR_NA0017_16_s_2013_175				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_175\_20141125\_00162.jpg



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

LM Start	<b>21.37</b>	Rating **	M	Issue No.	<b>175 (cont)</b>
LM End	<b>21.37</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_160\_175\_20141021\_00122.jpg



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

LM Start	21.44	Rating **	M	Issue No.	197
LM End	21.44	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA\_2014\_NA0017\_160\_197\_20141021\_00133.jpg



updated picture of the erosion 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





**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	21.78	Rating **	M	Issue No.	74
LM End	21.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980773 °	37.980773 °
				-121.328866 °	-121.328866 °
DWR ID	DWR_NA0017_16_f_2013_74				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_74\_20141021\_00043.jpg



Erosion due to runoff was found on the waterside of the levee looking upstream.

LM Start	21.83	Rating **	C	Issue No.	70
LM End	21.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980543 °	37.980543 °
				-121.329590 °	-121.329590 °
DWR ID	DWR_NA0017_16_f_2013_70				
Action/Comments					
Debris					

No Photos

LM Start	22.15	Rating **	M	Issue No.	68
LM End	22.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979674 °	37.979674 °
				-121.335228 °	-121.335228 °
DWR ID	DWR_NA0017_16_f_2012_68				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_68\_20141021\_00038.jpg



Erosion was found on the waterside slope 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	22.30	Rating **	M	Issue No.	203
LM End	22.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.979412 °	37.979412 °
				-121.337810 °	-121.337810 °
DWR ID	DWR_NA0017_16_s_2013_203				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_203\_20141021\_00136.jpg



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

LM Start	22.41	Rating **	M	Issue No.	62
LM End	22.41	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_62\_20141021\_00034.jpg



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

LM Start	22.52	Rating **	A/W	Issue No.	48
LM End	22.52	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Caltrans just repaired the issue. (Permit # 18532)					

Photo 1 of 6 : FA\_2014\_NA0017\_160\_48\_20141125\_00161.jpg



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	22.52	Rating **	A/W	Issue No.	48 (cont)
LM End	22.52	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Caltrans just repaired the issue. (Permit # 18532)					

Photo 2 of 6 : FA\_2014\_NA0017\_160\_48\_20141021\_00020.jpg



Updated picture of the erosion under the (I-5) bridge by Caltrans. The picture was taken from the crown of the levee during spring 2014 inspection.

LM Start	<b>22.52</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>22.52</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 6 : FA\_2014\_NA0017\_160\_48\_20141021\_00019.jpg



Updated picture of erosion was found on the waterside toe of the levee looking from the opposite side of the levee.

LM Start	<b>22.52</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>22.52</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 6 : FA\_2014\_NA0017\_160\_48\_20141021\_00022.jpg



Updated view of the erosion site repaired by Caltrans 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	22.52	Rating **	A/W	Issue No.	48 (cont)
LM End	22.52	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				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Caltrans just repaired the issue. (Permit # 18532)					

Photo 5 of 6 : FA\_2014\_NA0017\_160\_48\_20141021\_00023.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.

LM Start	<b>22.52</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>22.52</b>	Issue Type +	Ma	Location *	WS

Photo 6 of 6 : FA\_2014\_NA0017\_160\_48\_20141021\_00024.jpg



View of the erosion under the I-5 bridge looking upstream.

LM Start	22.76	Rating **	M	Issue No.	43
LM End	22.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.976308 °	37.976308 °
				-121.344698 °	-121.344698 °
DWR ID	DWR_NA0017_16_f_2013_43				
Action/Comments					
Debris					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_43\_20141021\_00017.jpg



Debris was found 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 2014**

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.43	11/19/2014 11/24/2014	Pavel Kazi

LM Start	22.81	Rating **	M	Issue No.	254
LM End	22.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.975782 °	37.975782 °
				-121.345423 °	-121.345423 °
DWR ID	DWR_NA0017_16_f_2014_254				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	22.97	Rating **	M	Issue No.	252
LM End	22.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.974062 °	37.974062 °
				-121.347198 °	-121.347198 °
DWR ID	DWR_NA0017_16_f_2014_252				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	23.05	Rating **	M	Issue No.	45
LM End	23.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.973386 °	37.973386 °
				-121.348241 °	-121.348241 °
DWR ID	DWR_NA0017_16_f_2012_45				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Arrundo on the waterside of the levee.					

Photo 1 of 1 : FA\_2014\_NA0017\_160\_45\_20141021\_00018.jpg



Arundo was found on the waterside slope 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 2014**

**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	11/24/2014 11/24/2014	Pavel Kazi

LM Start	0.13	Rating **	M	Issue No.	2
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.957934 °	37.957934 °
				-121.149911 °	-121.149911 °
DWR ID	DWR_NA0017_17_s_2012_2				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_161\_2\_20141021\_00001.jpg



View of a prunings pile along the waterward bank looking downstream.

LM Start	0.17	Rating **	M	Issue No.	3
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.958590 °	37.958590 °
				-121.151408 °	-121.151408 °
DWR ID	DWR_NA0017_17_s_2012_3				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_161\_3\_20141021\_00002.jpg



View of a prunings pile along the waterward bank looking downstream.

LM Start	0.19	Rating **	M	Issue No.	10
LM End	0.19	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				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0017\_161\_10\_20141021\_00006.jpg



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 2014**

**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	11/24/2014 11/24/2014	Pavel Kazi

LM Start	0.22	Rating **	M	Issue No.	4
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.958943 °	37.958943 °
				-121.152261 °	-121.152261 °
DWR ID	DWR_NA0017_17_s_2012_4				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0017\_161\_4\_20141021\_00003.jpg



View of a prunings pile along the waterward bank looking downstream.

LM Start	0.25	Rating **	M	Issue No.	5
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.958966 °	37.958966 °
				-121.152641 °	-121.152641 °
DWR ID	DWR_NA0017_17_s_2012_5				
Action/Comments					
Prunings					

Photo 1 of 2 : FA\_2014\_NA0017\_161\_5\_20141125\_00007.jpg



Updated picture of the prunings on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	<b>0.25</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_NA0017\_161\_5\_20141021\_00004.jpg



Prunings were 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 2014**

**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	11/24/2014 11/24/2014	Pavel Kazi

LM Start	0.50	Rating **	A	Issue No.	5
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.958970 °	37.958970 °
				-121.156882 °	-121.156882 °
DWR ID	DWR_NA0017_18_f_2014_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0017\_162\_5\_20141125\_00002.jpg



View of 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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