

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Lower San Joaquin Levee District**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	22.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/18/2015 - 05/22/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_NA0010_01_s _ 2013_23				
Action/Comments					
Inspector Comments: The LMA maintains a copy of the O&M manuals on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24	
LM End	0.00	Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_NA0010_01_s _ 2013_24					
Action/Comments						
Inspector Comments: The LMA has an adequate supplies and equipment for flood response.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	25	
LM End	0.00	Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_NA0010_01_s _ 2013_25					
Action/Comments						
Inspector Comments: LMA preparedness and training is adequate for flood response.						

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	1185
LM End	0.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.348637 °	37.348637 °
				-120.958834 °	-120.958834 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39091 DS_ID:19650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope and landward toe. Recommend removing vegetation along pipe alignment and landward toe to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.02). FS Date: 04/08/2014					

No Photos

LM Start	0.05	Rating **	A/W	Issue No.	4
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348223 °	37.347282 °
				-120.959593 °	-120.960470 °
DWR ID	DWR_NA0010_01_s_2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	0.05	Rating **	A/W	Issue No.	3
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348222 °	37.328627 °
				-120.959598 °	-120.934388 °
DWR ID	DWR_NA0010_01_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.06	Rating **	A/W	Issue No.	98
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.348157 °	37.348157 °
				-120.959658 °	-120.959658 °
DWR ID	DWR_NA0010_01_f_2014_98				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limbs due to fire along levee slope.					

Photo 1 of 2 : SP_2015_NA0010_118_98_20150309_00012.jpg



Looking southwest at tree limbs on waterward toe.

LM Start	0.06	Rating **	A/W	Issue No.	98 (cont)
LM End	0.06	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_NA0010_118_98_20150309_00013.jpg



Looking north at tree limbs on waterward toe.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	0.14	Rating **	A/W	Issue No.	7
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.347152 °	37.347152 °
				-120.960560 °	-120.960560 °
DWR ID	DWR_NA0010_01_s _ 2012_7				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	0.19	Rating **	A/W	Issue No.	99
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.346582 °	37.346582 °
				-120.961052 °	-120.961052 °
DWR ID	DWR_NA0010_01_f _ 2014_99				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limbs on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_118_99_20150309_00014.jpg



Looking south at tree limbs on landward slope and toe.

LM Start	0.21	Rating **	M	Issue No.	1178
LM End	1.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.346380 °	37.337123 °
				-120.961222 °	-120.949735 °
DWR ID	DWR_NA0010_01_s _ 2015_1178				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control vegetation on levee crown.					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	1
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.346152 °	37.343935 °
				-120.961402 °	-120.962536 °
DWR ID	DWR_NA0010_01_s_2012_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Typical view of several rodent holes on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_118_1_20150309_00001.jpg



Looking at typical rodent holes on landward slope.

LM Start	0.35	Rating **	M	Issue No.	1186
LM End	0.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.344705 °	37.344705 °
				-120.962176 °	-120.962176 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39092 DS_ID:19651 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has significant sediment buildup and shows some signs of corrosion at landward toe. Recommend cleaning sediment from inside pipe and check wall integrity. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 18.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.35). FS Date: 04/08/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	0.62	Rating **	M	Issue No.	1187
LM End	0.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.341507 °	37.341507 °
				-120.961283 °	-120.961283 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39095 DS_ID:19583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommend removing vegetation pile from waterward toe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.62). FS Date: 04/08/2014					

No Photos

LM Start	0.94	Rating **	M	Issue No.	1188
LM End	0.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.339598 °	37.339598 °
				-120.957202 °	-120.957202 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39096 DS_ID:19585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Moderate erosion around headwall on landward toe. May or may not be an issue. Need to contact owner to determine status of crossing and to address erosion issue on landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7-feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.95). FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	1.47	Rating **	M	Issue No.	1189
LM End	1.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336866 °	37.336866 °
				-120.948520 °	-120.948520 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39099 DS_ID:19588 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup inside pipe at LS toe. Recommend contacting owner to clear sediment buildup and check wall integrity through pipe section. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 108 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.48). FS Date: 04/08/2014					

No Photos

LM Start	1.69	Rating **	M	Issue No.	1190
LM End	1.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.336459 °	37.336459 °
				-120.944803 °	-120.944803 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33563 DS_ID:19589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy sediment buildup in pipe at LS toe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	1.97	Rating **	M	Issue No.	1191
LM End	1.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.334377 °	37.334377 °
				-120.940397 °	-120.940397 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39100 DS_ID:19591 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). Wooden barrier around drop inlet on LS toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.98). FS Date: 04/08/2014					

No Photos

LM Start	2.08	Rating **	M	Issue No.	1192
LM End	2.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.333653 °	37.333653 °
				-120.938770 °	-120.938770 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39123					
DS_ID:19570					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.8 feet below the crown. Flap gate on waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.08).					
FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	2.69	Rating **	M	Issue No.	1193
LM End	2.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.327362 °	37.327362 °
				-120.931591 °	-120.931591 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39127					
DS_ID:19573					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sedimentation in pipe at landward toe.					
FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 7.3 feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.70).					
FS Date: 04/08/2014					

No Photos

LM Start	3.16	Rating **	M	Issue No.	1194
LM End	3.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.321444 °	37.321444 °
				-120.928764 °	-120.928764 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39128					
DS_ID:19574					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some minor erosion around headwall on LS toe.					
FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 8-feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.16).					
FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	3.16	Rating **	U	Issue No.	10
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.321053 °	37.321053 °
				-120.928785 °	-120.928785 °
DWR ID	DWR_NA0010_01_s_2012_10				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several rodent holes noted in this section.					

Photo 1 of 1 : SP_2015_NA0010_118_10_20150527_00180.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	3.47	Rating **	U	Issue No.	1179
LM End	3.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.317057 °	37.317057 °
				-120.926443 °	-120.926443 °
DWR ID	DWR_NA0010_01_s_2015_1179				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Several erosions greater than three inches on landward slope.					

Photo 1 of 3 : SP_2015_NA0010_118_1179_20150527_00181.jpg



Looking south at erosion on landward slope and toe.

LM Start	3.47	Rating **	U	Issue No.	1179 (cont)
LM End	3.47	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_NA0010_118_1179_20150527_00182.jpg



Looking southwest at erosion on landward slope and toe.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	3.47	Rating **	U	Issue No.	1179 (cont)	
LM End	3.47	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.317057 °	37.317057 °	
				-120.926443 °	-120.926443 °	
DWR ID	DWR_NA0010_01_s _ 2015_1179					
Action/Comments						
Note and monitor erosion site. Inspector Comments: Several erosions greater than three inches on landward slope.						

Photo 3 of 3 : SP_2015_NA0010_118_1179_20150527_00183.jpg



Looking west at erosion on landward slope and toe.

LM Start	3.49	Rating **	U	Issue No.	1195
LM End	3.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.317116 °	37.317116 °
				-120.926451 °	-120.926451 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39130 DS_ID:19575 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe rusted through at Springline on LS toe. Flapgate blocked by sediment on WS toe. Heavy sediment on both ends of pipe. Need to contact owner to address issues. FIELD_STRUCT_DESC: 36-inch CM pipe, through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.50). FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	3.50	Rating **	A/W	Issue No.	17
LM End	3.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting				°
					°
DWR ID	DWR_NA0010_01_f_2012_17				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	3.70	Rating **	M	Issue No.	2
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.313892 °	37.313598 °
				-120.926507 °	-120.926607 °
DWR ID	DWR_NA0010_01_s_2012_2				
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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	3.95	Rating **	M	Issue No.	1196
LM End	3.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.311178 °	37.311178 °
				-120.927007 °	-120.927007 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39132 DS_ID:19576 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing from WS. No closure device, but degrading of levee at Highway 140 is lower than pipe, so this does not appear to be a critical issue. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 30-inch CM irrigation pipe through the levee, 3.5 feet below the crown. Slidegate on the waterward end. Brass cap No. 100 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.95). FS Date: 04/08/2014					

No Photos

LM Start	3.96	Rating **	M	Issue No.	1197
LM End	3.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.311157 °	37.311157 °
				-120.926919 °	-120.926919 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39133 DS_ID:19606 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing inlet and outlet not found. FIELD_STRUCT_DESC: 12-inch concrete irrigation pipe through the levee, 3.5 feet below the crown. 12-inch Concrete standpipes off both sides of levee. FS Date: 04/08/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	3.98	Rating **	M	Issue No.	5
LM End	4.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.310837 °	37.310003 °
				-120.926182 °	-120.925313 °
DWR ID	DWR_NA0010_01_s _ 2012_5				
Action/Comments					
Ditch					
Inspector Comments: Irrigation ditch at landside toe					

Photo 1 of 2 : SP_2015_NA0010_118_5_20150309_00002.jpg



Looking north at irrigation ditch at landside toe.

LM Start	3.98	Rating **	M	Issue No.	5 (cont)
LM End	4.05	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_118_5_20150309_00003.jpg



Looking south at irrigation ditch at landside toe.

LM Start	4.00	Rating **	M	Issue No.	1180
LM End	5.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.310637 °	37.301495 °
				-120.925935 °	-120.911238 °
DWR ID	DWR_NA0010_01_s _ 2015_1180				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	4.00	Rating **	M	Issue No.	1181
LM End	5.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.310637 °	37.301495 °
				-120.925935 °	-120.911238 °
DWR ID	DWR_NA0010_01_s_2015_1181				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	4.13	Rating **	M	Issue No.	100
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.309049 °	37.309049 °
				-120.924421 °	-120.924421 °
DWR ID	DWR_NA0010_01_f_2014_100				
Action/Comments					
Garbage Inspector Comments: Old PVC pipes left on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_118_100_20150309_00015.jpg



Looking east at old pvc pipes on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	4.16	Rating **	M	Issue No.	1198
LM End	4.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.309080 °	37.309080 °
				-120.924442 °	-120.924442 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39134 DS_ID:19607 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears sleeved with a 12-inch steel pipe with a slide gate at the LS toe. No identified authorization for changes to this crossing. Need to contact owner to obtain additional information about the modifications to crossing. FIELD_STRUCT_DESC: 48-inch CM stormdrain pipe through the levee, 14.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.16). FS Date: 04/08/2014					

LM Start	4.16	Rating **	M	Issue No.	1199
LM End	4.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.309063 °	37.309063 °
				-120.924449 °	-120.924449 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39138 DS_ID:24866 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to get details of crossing. FIELD_STRUCT_DESC: 12-inch steel stormdrain pipe through the levee 2.5-feet below the crown. 12-inch steel pipe, vent, and pump on stand visible on LS slope. 10-inch PVC pipe visible on WS slope. FS Date: 04/08/2014					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	4.18	Rating **	M	Issue No.	6
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.308540 °	37.308540 °
				-120.924003 °	-120.924003 °
DWR ID	DWR_NA0010_01_s _ 2012_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted in this section.					

Photo 1 of 1 : SP_2015_NA0010_118_6_20150527_00184.jpg



Looking at typical rodent holes within this section.

LM Start	4.27	Rating **	M	Issue No.	1200
LM End	4.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.307930 °	37.307930 °
				-120.923057 °	-120.923057 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39140 DS_ID:19608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation and fence limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward side. Recommend obtaining access to landward toe and removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 11.9 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.27). FS Date: 04/08/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	4.69	Rating **	A/W	Issue No.	9
LM End	4.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.302398 °	37.302398 °
				-120.920920 °	-120.920920 °
DWR ID	DWR_NA0010_01_s _ 2013_9				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Levee landward toe damaged by livestock.					

LM Start	4.69	Rating **	A/W	Issue No.	9 (cont)
LM End	4.69	Issue Type +	Ma	Location *	LS

LM Start	4.69	Rating **	A/W	Issue No.	9 (cont)
LM End	4.69	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP_2015_NA0010_118_9_20150527_00185.jpg



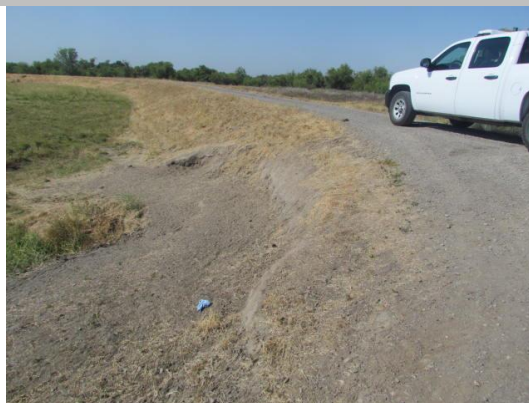
Looking northeast at corrected site on landward slope.

Photo 2 of 3 : SP_2015_NA0010_118_9_20150309_00005.jpg



Looking southeast at erosion on landward toe.

Photo 3 of 3 : SP_2015_NA0010_118_9_20150309_00006.jpg



Looking south at damage slope by livestock on landward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	4.72	Rating **	M	Issue No.	1201
LM End	4.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.302408 °	37.302408 °
				-120.920931 °	-120.920931 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39141 DS_ID:19609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to					

No Photos

LM Start	5.05	Rating **	M	Issue No.	1202
LM End	5.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.298917 °	37.298917 °
				-120.917262 °	-120.917262 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39143 DS_ID:19610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional -- sediment buildup against flapgate and inlet buried at landward side. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.05). FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	5.72	Rating **	A/W	Issue No.	116
LM End	5.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.304057 °	37.304057 °
				-120.907200 °	-120.907200 °
DWR ID	DWR_NA0010_01_s_2012_116				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large rodent holes on landside slope near fence pole.					

Photo 1 of 3 : SP_2015_NA0010_118_116_20150309_00016.jpg



Looking east at one of several rodent holes on landside shoulder and slope.

LM Start	5.72	Rating **	A/W	Issue No.	116 (cont)
LM End	5.72	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_NA0010_118_116_20150309_00017.jpg



Looking south at repaired rodent site on landside slope. (Fall 2012)

LM Start	5.72	Rating **	A/W	Issue No.	116 (cont)
LM End	5.72	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2015_NA0010_118_116_20150309_00018.jpg



Looking northeast at one of several holes on landside shoulder and slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	5.72	Rating **	M	Issue No.	1182
LM End	9.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.304118 °	37.291132 °
				-120.907068 °	-120.839647 °
DWR ID	DWR_NA0010_01_s _ 2015_1182				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	5.72	Rating **	M	Issue No.	1183
LM End	9.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.304118 °	37.291132 °
				-120.907068 °	-120.839647 °
DWR ID	DWR_NA0010_01_s _ 2015_1183				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	5.95	Rating **	M	Issue No.	1203
LM End	5.95	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.303612 °	37.303612 °
				-120.903704 °	-120.903704 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39151 DS_ID:19611 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Landward side filled in with soil. Need to contact owner. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.95). FS Date: 04/08/2014					

No Photos

LM Start	6.01	Rating **	U	Issue No.	12
LM End	6.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.303725 °	37.303725 °
				-120.902003 °	-120.902003 °
DWR ID	DWR_NA0010_01_s _ 2012_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_NA0010_118_12_20150527_00186.jpg



Looking south at dense vegetation on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	6.13	Rating **	M	Issue No.	1204
LM End	6.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.304232 °	37.304232 °
				-120.900706 °	-120.900706 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39152 DS_ID:19612 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Pipe completely blocked by soil on LS toe due to animal activity. Slide gate blocked open. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 13.1 feet below the crown. Walkway to slidegate on LS toe at concrete headwall. Flap gate at concrete headwall on the WS toe. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). Pipe crosses levee at an angle to levee alignment. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 04/08/2014					

No Photos

LM Start	6.42	Rating **	M	Issue No.	1205
LM End	6.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.304459 °	37.304459 °
				-120.895863 °	-120.895863 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39154 DS_ID:19613 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end next to 48-inch concrete riser with walkway over its top. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.40). FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	6.65	Rating **	U	Issue No.	1206
LM End	6.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.303815 °	37.303815 °
				-120.891955 °	-120.891955 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41134 DS_ID:19614 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flapgate blocked by sedimentation at WS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also recommend clearing vegetation from both waterward and landward toe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.8 feet below the crown. Wooden fence around 4'X4' drop inlet on LS toe. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.64). FS Date: 04/08/2014					

No Photos

LM Start	6.90	Rating **	U	Issue No.	1207
LM End	6.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.302098 °	37.302098 °
				-120.887943 °	-120.887943 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42850 DS_ID:19615 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate blocked by debris at LS toe. Flapgate won't close because of debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 10.3 feet below the crown. Slidegate on LS toe and a Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	7.21	Rating **	M	Issue No.	1208
LM End	7.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42851 DS_ID:19616 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe failing and corroded through at LS toe. Need to contact owner to determine status of crossing. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 5.1 feet below the crown. Flap gate on the waterward end. Brass cap No. 90 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.21). FS Date: 04/08/2014					

No Photos

LM Start	7.32	Rating **	M	Issue No.	1209
LM End	7.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299931 °	37.299931 °
				-120.880947 °	-120.880947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39160 DS_ID:19617 EP_NO: 4425 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommend contacting owner to determine status of crossing. No pump was found on waterward side (riverbank). If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 13.6 feet below the crown. Pipe encased in 6-inches of concrete through levee. 5'X7' Concrete distribution box on the waterward side. 20-inch concrete standpipe at LS toe. Pump on the riverbank, accessible by walkway platform (Pump not found). Concrete cutoff walls around pipe in line with levee shoulders. Pipe extends to 36-inch concrete pipes on both sides of levee. (Permit No. 4425-1965) FS Date: 04/08/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	7.46	Rating **	M	Issue No.	1210
LM End	7.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299817 °	37.299817 °
				-120.878519 °	-120.878519 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39161 DS_ID:19618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.46). FS Date: 04/08/2014					

LM Start	7.69	Rating **	M	Issue No.	1211
LM End	7.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.299211 °	37.299211 °
				-120.874415 °	-120.874415 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39243 DS_ID:19619 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.69). FS Date: 04/08/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	8.07	Rating **	M	Issue No.	1212
LM End	8.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.298711 °	37.298711 °
				-120.867756 °	-120.867756 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39244 DS_ID:19620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.07). FS Date: 04/09/2014					

LM Start	8.42	Rating **	M	Issue No.	1213
LM End	8.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39245 DS_ID:19621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup at landward toe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.41). FS Date: 04/09/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	8.94	Rating **	M	Issue No.	1214
LM End	8.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297296 °	37.297296 °
				-120.852871 °	-120.852871 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39247 DS_ID:19623 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.1 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.93). FS Date: 04/09/2014					

No Photos

LM Start	9.01	Rating **	U	Issue No.	1215
LM End	9.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297423 °	37.297423 °
				-120.851575 °	-120.851575 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39248 DS_ID:19624 EP_NO: 12156 Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate rusted through and open on WS toe. Inlet appears to be obscured or covered in soil at LS toe. Also dense vegetation on waterward and landward sides. Need to contact owner to contact CVFPB to address issue. FIELD_STRUCT_DESC: 30-inch concrete drainpipe through the levee, 7.3 feet below the crown. Encasing 26-inch steel pipe through entire section, annular gap grouted. Concrete wingwalls on each side of pipe. Slide gate on discharge end with elevated walkway access. Two concrete cutoff walls in center of levee. Concrete headwall (6-inch thick) on discharge end of pipe. (Permit No. 12156-1978) FS Date: 04/09/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	9.01	Rating **	M	Issue No.	1216
LM End	9.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297425 °	37.297425 °
				-120.851522 °	-120.851522 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39249					
DS_ID:19625					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Some sediment buildup in pipe.					
FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.00).					
FS Date: 04/09/2014					

No Photos

LM Start	9.03	Rating **	M	Issue No.	1217
LM End	9.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.297488 °	37.297488 °
				-120.851157 °	-120.851157 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39250 DS_ID:19626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 80 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.03). FS Date: 04/09/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	9.16	Rating **	M	Issue No.	117
LM End	9.78	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.296145 °	37.293077 °
				-120.848588 °	-120.839170 °
DWR ID	DWR_NA0010_01_s _ 2012_117				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 3 : SP_2015_NA0010_118_117_20150309_00019.jpg



Looking south at typical view of vegetation on levee crown.

Photo 2 of 3 : SP_2015_NA0010_118_117_20150309_00020.jpg



Looking south at levee crown. (Fall 2013)

Photo 3 of 3 : SP_2015_NA0010_118_117_20150309_00021.jpg



Looking south at vegetation on levee crown. (Spring 2013)

LM Start	9.16	Rating **	M	Issue No.	117 (cont)
LM End	9.78	Issue Type +	Ma	Location *	CR

LM Start	9.16	Rating **	M	Issue No.	117 (cont)
LM End	9.78	Issue Type +	Ma	Location *	CR

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	9.38	Rating **	M	Issue No.	1218
LM End	9.38	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.295413 °	37.295413 °
				-120.845664 °	-120.845664 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39251 DS_ID:19627 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to					

No Photos

LM Start	9.57	Rating **	M	Issue No.	14
LM End	9.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.295517 °	37.295517 °
				-120.841452 °	-120.841452 °
DWR ID	DWR_NA0010_01_s_2015_14				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Depression greater than 3" deep by 18" wide by 18" long on levee crown					

Photo 1 of 2 : SP_2015_NA0010_118_14_20150527_00188.jpg



Looking west at depression greater than three inches on levee crown.

Photo 2 of 2 : SP_2015_NA0010_118_14_20150527_00187.jpg



Looking west at depression on levee crown.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	10.24	Rating **	M	Issue No.	1219
LM End	10.24	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.287511 °	37.287511 °
				-120.840251 °	-120.840251 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39253 DS_ID:19629 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation blocks waterward and landward					

No Photos

LM Start	10.70	Rating **	M	Issue No.	15
LM End	11.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.283672 °	37.278767 °
				-120.833150 °	-120.824107 °
DWR ID	DWR_NA0010_01_s_2015_15				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control vegetation on levee crown					

No Photos

LM Start	11.03	Rating **	M	Issue No.	1220
LM End	11.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.282627 °	37.282627 °
				-120.828233 °	-120.828233 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39255 DS_ID:19632 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 66 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.00). FS Date: 04/09/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	1221
LM End	11.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273787 °	37.273787 °
				-120.825519 °	-120.825519 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36103 DS_ID:19634 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner--landward side has been buried. It appears that soil was removed from levee toe, immediately upstream, and used to pile soil at landward side at crossing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 62 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.48). FS Date: 04/25/2014					

No Photos

LM Start	11.78	Rating **	M	Issue No.	1222
LM End	11.78	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.269701 °	37.269701 °
				-120.826450 °	-120.826450 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36105 DS_ID:19635 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional --landward side is buried. Debris found on landward side (channel). Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 17.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 61 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.76). FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	12.12	Rating **	M	Issue No.	1223
LM End	12.12	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.265336 °	37.265336 °
				-120.826591 °	-120.826591 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36106 DS_ID:19636 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional --landward side is buried. Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.11). FS Date: 04/25/2014					

LM Start	12.95	Rating **	M	Issue No.	1224
LM End	12.95	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.256873 °	37.256873 °
				-120.821277 °	-120.821277 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36146 DS_ID:19637 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall on landward side blocked by debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of crossing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.94). FS Date: 04/25/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	13.49	Rating **	M	Issue No.	1225
LM End	13.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251590 °	37.251590 °
				-120.814354 °	-120.814354 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36109 DS_ID:19638 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Concrete headwall blocked by debris located on landward toe. Recommend clearing debris from landward slope and toe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.2 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.48). FS Date: 04/25/2014					

No Photos

LM Start	13.59	Rating **	M	Issue No.	1226
LM End	13.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250138 °	37.250138 °
				-120.814720 °	-120.814720 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39256 DS_ID:19639 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to waterward toe due to fence. Unable to find the concrete headwall and flap gate on waterward side past fence. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also need access past fence on waterward side. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.58). FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	13.83	Rating **	M	Issue No.	1227
LM End	13.83	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.247568 °	37.247568 °
				-120.817074 °	-120.817074 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36544					
DS_ID:19640					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No photos available--missed crossing. Aerial photograph indicates crossing is present. Need to confirm if crossing is still present on waterward side.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.81).					
FS Date: 04/25/2014					

No Photos

LM Start	14.22	Rating **	M	Issue No.	1228
LM End	14.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36166 DS_ID:19641 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.21). FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	14.66	Rating **	M	Issue No.	1229
LM End	14.66	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.237584 °	37.237584 °
				-120.812967 °	-120.812967 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36167 DS_ID:19642 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope and toe. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.65). FS Date: 04/25/2014					

LM Start	15.30	Rating **	M	Issue No.	1230
LM End	15.30	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.231428 °	37.231428 °
				-120.805543 °	-120.805543 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36168 DS_ID:19643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.29). FS Date: 04/25/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	15.58	Rating **	M	Issue No.	1231
LM End	15.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
Item				Start	End
	DWR UCIP Field Study	37.228155 °	37.228155 °		
		-120.802645 °	-120.802645 °		
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36169 DS_ID:19644 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.57). FS Date: 04/25/2014					

No Photos

LM Start	15.82	Rating **	M	Issue No.	1232
LM End	15.82	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.226099 °	37.226099 °
				-120.799125 °	-120.799125 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36171 DS_ID:19645 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 60 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.81). FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	16.09	Rating **	M	Issue No.	1233
LM End	16.09	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224157 °	37.224157 °
				-120.795250 °	-120.795250 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36172 DS_ID:19646 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.3 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 16.09). FS Date: 04/25/2014					

No Photos

LM Start	16.16	Rating **	M	Issue No.	1234
LM End	16.16	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224120 °	37.224120 °
				-120.794002 °	-120.794002 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39257 DS_ID:19647 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 16.15). FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	16.73	Rating **	M	Issue No.	1235
LM End	16.73	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39258 DS_ID:19648 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 16.72). FS Date: 04/25/2014					

No Photos

LM Start	16.73	Rating **	M	Issue No.	1236
LM End	16.73	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224223 °	37.224223 °
				-120.783806 °	-120.783806 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39360 DS_ID:24870 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status and reason for crossing. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee at an unknown depth. Concrete standpipe visible on landward side. FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	17.02	Rating **	M	Issue No.	1237
LM End	17.02	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.221838 °	37.221838 °
				-120.780230 °	-120.780230 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39259 DS_ID:19577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Concrete headwall is buried by dense vegetation. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.01). FS Date: 04/25/2014					

No Photos

LM Start	17.20	Rating **	M	Issue No.	1238
LM End	17.20	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219302 °	37.219302 °
				-120.779475 °	-120.779475 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39260 DS_ID:19578 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup inside pipe visible from landward side. Recommend clearing pipe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.19). FS Date: 04/25/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	17.26	Rating **	M	Issue No.	1239
LM End	17.26	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.218332 °	37.218332 °
				-120.779459 °	-120.779459 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36203 DS_ID:19579 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.26). FS Date: 04/25/2014					

LM Start	17.26	Rating **	M	Issue No.	16
LM End	17.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.218251 °	37.218251 °
				-120.779461 °	-120.779461 °
DWR ID	DWR_NA0010_01_s _ 2015_16				

No Photos

Action/Comments					
Tree or limb Inspector Comments: Discard downed tree limbs on landward toe.					

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	17.53	Rating **	M	Issue No.	1240
LM End	17.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.215976 °	37.215976 °
				-120.777615 °	-120.777615 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36204 DS_ID:19580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.53). FS Date: 04/25/2014					

No Photos

LM Start	18.19	Rating **	M	Issue No.	1241
LM End	18.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.210998 °	37.210998 °
				-120.768900 °	-120.768900 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39261 DS_ID:19581 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.19). FS Date: 04/25/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	18.77	Rating **	M	Issue No.	27
LM End	18.77	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.205080 °	37.205080 °
				-120.762655 °	-120.762655 °
DWR ID	DWR_NA0010_01_s _ 2014_27				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_NA0010_118_27_20150309_00011.jpg



Looking at prunings on waterward shoulder and slope.

LM Start	18.79	Rating **	M	Issue No.	1242
LM End	18.79	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.204966 °	37.204966 °
				-120.762511 °	-120.762511 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36246 DS_ID:19593 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 50 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.79). FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	19.18	Rating **	M	Issue No.	1243
LM End	19.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202801 °	37.202801 °
				-120.756209 °	-120.756209 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39263 DS_ID:19594 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional crossing--pipe is buried on waterward side. Sediment buildup in pipe visible from landward side. Need to coordinate with owner to determine status. If crossing is no longer in use, owner will need to coordinate with DWR Inspector and CVFPB to properly abandon. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Slide gate on the waterward slope. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.17). FS Date: 04/25/2014					

No Photos

LM Start	19.32	Rating **	M	Issue No.	1244
LM End	19.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200921 °	37.200921 °
				-120.756901 °	-120.756901 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39266 DS_ID:24871 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee at an unknown depth. Pump station located on landward side. Electrical panel located on landward side. FS Date: 04/25/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	19.32	Rating **	M	Issue No.	8
LM End	19.32	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.200923 °	37.200923 °
				-120.756987 °	-120.756987 °
DWR ID	DWR_NA0010_01_s_2012_8				
Action/Comments					
Pipe					
Inspector Comments: Farmer installed a pipe across levee crown, landside and waterside slopes. Ramp is not according to standards.					

Photo 1 of 1 : SP_2015_NA0010_118_8_20150309_00004.jpg



Looking south at pipe across levee crown.

LM Start	19.32	Rating **	M	Issue No.	1245
LM End	19.32	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200919 °	37.200919 °
				-120.756928 °	-120.756928 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39267 DS_ID:24872 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. FIELD_STRUCT_DESC: 2 of 2: 20-inch steel pipe through levee at an unknown depth. Pump station located on landward side. Electrical panel located on landward side. FS Date: 04/25/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	19.54	Rating **	M	Issue No.	1246
LM End	19.54	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.199427 °	37.199427 °
				-120.760235 °	-120.760235 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39268 DS_ID:19596 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Dense vegetation blocks both waterward and landward headwalls. Sediment buildup in pipe visible from landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.54). FS Date: 04/25/2014					

No Photos

LM Start	19.81	Rating **	M	Issue No.	1247
LM End	19.81	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.197502 °	37.197502 °
				-120.764045 °	-120.764045 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36253					
DS_ID:19597					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No photos available for crossing--crossing missed.					
Recommend taking photos to confirm status of crossing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.81).					
FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	20.18	Rating **	M	Issue No.	1248
LM End	20.18	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.194669 °	37.194669 °
				-120.759736 °	-120.759736 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39269 DS_ID:19598 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.18). FS Date: 04/25/2014					

LM Start	20.25	Rating **	U	Issue No.	1184
LM End	20.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.193657 °	37.193657 °
				-120.760138 °	-120.760138 °
DWR ID	DWR_NA0010_01_s _ 2015_1184				
Action/Comments					
Ramp Inspector Comments: Landowner installed unauthorized ramp on landward slope and toe.					

Photo 1 of 2 : SP_2015_NA0010_118_1184_20150527_00189.jpg



Looking north at ramp cut into landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	20.25	Rating **	U	Issue No.	1184 (cont)	
LM End	20.25	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.193657 °	37.193657 °	
				-120.760138 °	-120.760138 °	
DWR ID	DWR_NA0010_01_s_2015_1184					
Action/Comments						
Ramp Inspector Comments: Landowner installed unauthorized ramp on landward slope and toe.						

Photo 2 of 2 : SP_2015_NA0010_118_1184_20150527_00190.jpg



Looking east at ramp cut into landward slope.

LM Start	20.27	Rating **	U	Issue No.	1249
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39270 DS_ID:19599 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Unauthorized crossing through pipe. Line was pushed through existing crossing. Need to contact owner. Also sediment buildup in pipe visible from landward side--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 5.0 feet below the crown. Flap gate on the waterward end. FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	20.27	Rating **	M	Issue No.	1250
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193550 °	37.193550 °
				-120.760284 °	-120.760284 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39285 DS_ID:24873 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 12-inch steel sleeved into a 24-inch steel pipe through levee at an unknown depth. FS Date: 04/25/2014					

No Photos

LM Start	20.27	Rating **	M	Issue No.	1251
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39878 DS_ID:19600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing partially submersed--no signs of failure of pipe present along pipe alignment. Recommend contacting owner to determine status of crossing and condition. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.27). FS Date: 04/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	20.27	Rating **	M	Issue No.	1252
LM End	20.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39286 DS_ID:24874 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 18-inch steel sleeved into a 24-inch steel pipe through levee at an unknown depth. FS Date: 04/25/2014					

LM Start	20.28	Rating **	M	Issue No.	20
LM End	22.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.193426 °	37.172663 °
				-120.760419 °	-120.754894 °
DWR ID	DWR_NA0010_01 f _ 2012_20				

Action/Comments					
Agricultural tilling Inspector Comments: Farmer cutting into landside toe and slope.					

Photo 1 of 2 : SP_2015_NA0010_118_20_20150309_00007.jpg



Looking east at farmer discing into landside slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	20.28	Rating **	M	Issue No.	20 (cont)
LM End	22.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.193426 °	37.172663 °
				-120.760419 °	-120.754894 °
DWR ID	DWR_NA0010_01_f_2012_20				
Action/Comments					
Agricultural tilling					
Inspector Comments: Farmer cutting into landside toe and slope.					

Photo 2 of 2 : SP_2015_NA0010_118_20_20150309_00008.jpg



Looking west at farmer discing landside slope.

LM Start	20.69	Rating **	M	Issue No.	101
LM End	21.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.188074 °	37.178114 °
				-120.763419 °	-120.758790 °
DWR ID	DWR_NA0010_01_f_2014_101				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	21.40	Rating **	M	Issue No.	1253
LM End	21.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179065 °	37.179065 °
				-120.761567 °	-120.761567 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39271 DS_ID:19603 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional--crossing buried on landward side. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.40). FS Date: 04/25/2014					

No Photos

LM Start	21.76	Rating **	M	Issue No.	1254
LM End	21.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.176106 °	37.176106 °
				-120.756768 °	-120.756768 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39272 DS_ID:19604 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional crossing-landward side is buried. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 40 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.76). FS Date: 04/25/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	22.13	Rating **	M	Issue No.	1255
LM End	22.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171181 °	37.171181 °
				-120.754526 °	-120.754526 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39273 DS_ID:19605 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional crossing--landward side is buried. Need to contact owner to determine status. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Wooden head- boards on the landward end of pipe. Brass cap No. 31 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.13). FS Date: 04/25/2014					

No Photos

LM Start	22.20	Rating **	M	Issue No.	22
LM End	22.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.169962 °	37.166983 °
				-120.754240 °	-120.750127 °
DWR ID	DWR_NA0010_01_s_2012_22				
Action/Comments					
Ditch					

Photo 1 of 2 : SP_2015_NA0010_118_22_20150309_00009.jpg



Looking downstream at irrigation ditch at landside 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/18/2015 05/22/2015	Richard Willoughby

LM Start	22.20	Rating **	M	Issue No.	22 (cont)
LM End	22.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.169962 °	37.166983 °
				-120.754240 °	-120.750127 °
DWR ID	DWR_NA0010_01_s _ 2012_22				
Action/Comments					
Ditch					

Photo 2 of 2 : SP_2015_NA0010_118_22_20150309_00010.jpg



Looking upstream at irrigation at landside toe.

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02A San Joaquin River			Left	7.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/22/2015 - 05/22/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	250
LM End	7.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296314 °	37.231606 °
				-120.880559 °	-120.812192 °
DWR ID	DWR_NA0010_02A_s_2015_250				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_NA0010_119_250_20150527_00006.jpg



Looking west at typical view of landward slope.

LM Start	0.00	Rating **	M	Issue No.	251
LM End	7.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296314 °	37.231601 °
				-120.880559 °	-120.812191 °
DWR ID	DWR_NA0010_02A_s_2015_251				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_NA0010_119_251_20150527_00007.jpg



Looking northwest at typical view of waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.24	Rating **	M	Issue No.	253
LM End	0.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.293440 °	37.293440 °
				-120.878978 °	-120.878978 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36503 DS_ID:19652 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 139 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.24). FS Date: 05/01/2014					

LM Start	0.67	Rating **	M	Issue No.	254
LM End	0.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.288087 °	37.288087 °
				-120.874919 °	-120.874919 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36504 DS_ID:19653 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 138 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.67). FS Date: 05/01/2014					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.75	Rating **	U	Issue No.	5
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.286877 °	37.286877 °
				-120.874222 °	-120.874222 °
DWR ID	DWR_NA0010_02A_s_2012_5				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: A field investigation report in on file. For more information and pictures see field investigation report #4301.					

Photo 1 of 3 : SP_2015_NA0010_119_5_20150309_00003.jpg



Looking north at erosion on waterward slope. (Fall 2014)

Photo 2 of 3 : SP_2015_NA0010_119_5_20150309_00004.jpg



Looking north at large erosion on waterward slope. (Fall 2013)

Photo 3 of 3 : SP_2015_NA0010_119_5_20150309_00005.jpg



Looking south at large erosion on waterside slope. (Spring 2012)

LM Start	0.75	Rating **	U	Issue No.	5 (cont)
LM End	0.75	Issue Type +	Ma	Location *	WS

LM Start	0.75	Rating **	U	Issue No.	5 (cont)
LM End	0.75	Issue Type +	Ma	Location *	WS

*** 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	255
LM End	1.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.284889 °	37.284889 °
				-120.871352 °	-120.871352 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39363					
DS_ID:19654					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to					

No Photos

LM Start	1.22	Rating **	M	Issue No.	256
LM End	1.22	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.286118 °	37.286118 °
				-120.868167 °	-120.868167 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36506 DS_ID:19655 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 136 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.22). FS Date: 05/01/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	1.34	Rating **	M	Issue No.	257
LM End	1.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.286463 °	37.286463 °
				-120.865997 °	-120.865997 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36507 DS_ID:19656 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 14.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.34). FS Date: 05/01/2014					

LM Start	1.62	Rating **	M	Issue No.	258
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.288599 °	37.288599 °
				-120.862007 °	-120.862007 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36508 DS_ID:19657 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 05/01/2014					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	1.86	Rating **	M	Issue No.	259
LM End	1.86	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.290836 °	37.290836 °
				-120.858882 °	-120.858882 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36509 DS_ID:19658 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.86). FS Date: 05/01/2014					

LM Start	2.30	Rating **	M	Issue No.	260
LM End	2.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291686 °	37.291686 °
				-120.851475 °	-120.851475 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36510 DS_ID:19659 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.30). FS Date: 05/01/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	2.32	Rating **	M	Issue No.	261
LM End	2.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291532 °	37.291532 °
				-120.851203 °	-120.851203 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36511 DS_ID:19660 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 135 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.32). FS Date: 05/01/2014					

LM Start	2.32	Rating **	M	Issue No.	2
LM End	2.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.291433 °	37.291433 °
				-120.850917 °	-120.850917 °
DWR ID	DWR_NA0010_02A_s_2012_2				

Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on landside and waterside slope.					

Photo 1 of 2 : SP_2015_NA0010_119_2_20150309_00001.jpg



Looking northeast at unauthorized ramp on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	2.32	Rating **	M	Issue No.	2 (cont)
LM End	2.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.291433 °	37.291433 °
				-120.850917 °	-120.850917 °
DWR ID	DWR_NA0010_02A_s_2012_2				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on landside and waterside slope.					

Photo 2 of 2 : SP_2015_NA0010_119_2_20150309_00002.jpg



Looking northwest at unauthorized ramp on waterward slope.

LM Start	2.59	Rating **	M	Issue No.	262
LM End	2.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.289487 °	37.289487 °
				-120.846941 °	-120.846941 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36512 DS_ID:19661 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.59). FS Date: 05/01/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	2.96	Rating **	M	Issue No.	263
LM End	2.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.284326 °	37.284326 °
				-120.845157 °	-120.845157 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36513 DS_ID:19662 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.96). FS Date: 05/01/2014					

LM Start	3.29	Rating **	M	Issue No.	264
LM End	3.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.279656 °	37.279656 °
				-120.844795 °	-120.844795 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36514 DS_ID:19665 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 05/01/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	3.62	Rating **	M	Issue No.	265
LM End	3.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.278203 °	37.278203 °
				-120.839884 °	-120.839884 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36515 DS_ID:19666 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.62). FS Date: 05/01/2014					

LM Start	3.96	Rating **	M	Issue No.	266
LM End	3.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.279704 °	37.279704 °
				-120.834709 °	-120.834709 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39364 DS_ID:19667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Signs of erosion or sink hole present on landward toe--Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 130 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.95). FS Date: 05/01/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	5.27	Rating **	A/W	Issue No.	1
LM End	7.37	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.261990 °	37.236516 °
				-120.832408 °	-120.817542 °
DWR ID	DWR_NA0010_02A_f_2012_1				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Rutting on levee crown.					

No Photos

LM Start	5.43	Rating **	M	Issue No.	267
LM End	5.43	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.260069 °	37.260069 °
				-120.831768 °	-120.831768 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36517 DS_ID:19668 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 05/01/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	6.06	Rating **	M	Issue No.	268
LM End	6.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253527 °	37.253527 °
				-120.823991 °	-120.823991 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36518 DS_ID:19669 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.06). FS Date: 05/01/2014					

LM Start	6.49	Rating **	M	Issue No.	269
LM End	6.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248210 °	37.248210 °
				-120.823120 °	-120.823120 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36519 DS_ID:19670 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.50). FS Date: 05/01/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	7.05	Rating **	M	Issue No.	270
LM End	7.05	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240333 °	37.240333 °
				-120.821490 °	-120.821490 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39365 DS_ID:19671 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Pipe extension visible on landward side--need to contact owner for additional information about extension/modification. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.6 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.05). FS Date: 05/01/2014					

No Photos

LM Start	7.71	Rating **	M	Issue No.	252
LM End	7.71	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.232828 °	37.232828 °
				-120.813799 °	-120.813799 °
DWR ID	DWR_NA0010_02A_s_2015_252				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Two rodent holes on levee crown.					

Photo 1 of 1 : SP_2015_NA0010_119_252_20150527_00008.jpg



Looking at rodent holes on levee crown.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	7.77	Rating **	M	Issue No.	271
LM End	7.77	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.232650 °	37.232650 °
				-120.813363 °	-120.813363 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36521 DS_ID:19673 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 125 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.77). FS Date: 05/01/2014					

LM Start	8.16	Rating **	M	Issue No.	272
LM End	8.16	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.228343 °	37.228343 °
				-120.808789 °	-120.808789 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39366 DS_ID:19674 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope and landward headwall. Recommend removing vegetation along pipe alignment and toe to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.16). FS Date: 05/14/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	8.49	Rating **	M	Issue No.	273
LM End	8.49	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.225241 °	37.225241 °
				-120.804286 °	-120.804286 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39367 DS_ID:19675 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on landward toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward slope. Recommend removing vegetation along pipe alignment toe to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.4 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.48). FS Date: 05/14/2014					

No Photos

LM Start	8.86	Rating **	M	Issue No.	274
LM End	8.86	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.222271 °	37.222271 °
				-120.798705 °	-120.798705 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42503 DS_ID:19676 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Burrow activity presen on waterward slope. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.86). FS Date: 05/14/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	9.03	Rating **	M	Issue No.	275
LM End	9.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220888 °	37.220888 °
				-120.796394 °	-120.796394 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36525 DS_ID:19677 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.02). FS Date: 05/14/2014					

No Photos

LM Start	9.20	Rating **	M	Issue No.	276
LM End	9.20	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220520 °	37.220520 °
				-120.793277 °	-120.793277 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40443 DS_ID:19678 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 120 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.20). FS Date: 05/14/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	9.46	Rating **	M	Issue No.	277
LM End	9.46	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220227 °	37.220227 °
				-120.788634 °	-120.788634 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36527 DS_ID:19686 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.46). FS Date: 05/14/2014					

LM Start	10.13	Rating **	M	Issue No.	278
LM End	10.13	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.214229 °	37.214229 °
				-120.784350 °	-120.784350 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36528 DS_ID:19687 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.7 feet below the crown. Flap gate on the waterward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.12). FS Date: 05/14/2014					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	10.81	Rating **	M	Issue No.	279
LM End	10.81	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.206352 °	37.206352 °
				-120.777634 °	-120.777634 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42504 DS_ID:19688 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side-- recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.81). FS Date: 05/14/2014					

No Photos

LM Start	11.17	Rating **	M	Issue No.	280
LM End	11.17	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.204640 °	37.204640 °
				-120.771564 °	-120.771564 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36530 DS_ID:19689 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Brass cap No. 115 BM on headwall on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.17). FS Date: 05/14/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	11.43	Rating **	M	Issue No.	281
LM End	11.43	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201792 °	37.201792 °
				-120.768462 °	-120.768462 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36531 DS_ID:19690 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Screw gate on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.43). FS Date: 05/14/2014					

No Photos

LM Start	13.22	Rating **	M	Issue No.	282
LM End	13.22	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.179265 °	37.179265 °
				-120.764870 °	-120.764870 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39370					
DS_ID:19663					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.5 feet below the crown. Slide gate in pipe riser on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.22).					
FS Date: 05/14/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/22/2015 05/22/2015	Richard Willoughby

LM Start	13.71	Rating **	M	Issue No.	283
LM End	13.71	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.173327 °	37.173327 °
				-120.761055 °	-120.761055 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39891 DS_ID:19664 EP_NO: 14138 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10 feet below the crown. Concrete cutoff wall at the centerline of pipe. Flap gate on the landward end. Screw gate on the waterward end, with accessible walkway. (Permit No. 14138-1985). FS Date: 05/14/2014					

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02B San Joaquin River			Left	5.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/22/2015 - 05/22/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/22/2015 05/22/2015	Richard Willoughby

LM Start	7.87	Rating **	M	Issue No.	168
LM End	13.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231604 °	37.178622 °
				-120.812190 °	-120.764448 °
DWR ID	DWR_NA0010_02B_s_2015_168				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 1 : SP_2015_NA0010_120_168_20150527_00006.jpg



Looking north at typical view of levee crown.

LM Start	7.87	Rating **	M	Issue No.	169
LM End	13.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231604 °	°
				-120.812190 °	°
DWR ID	DWR_NA0010_02B_s_2015_169				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_NA0010_120_169_20150527_00008.jpg



Looking northwest at typical view of waterward slope.

LM Start	7.87	Rating **	M	Issue No.	170
LM End	13.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231603 °	°
				-120.812190 °	°
DWR ID	DWR_NA0010_02B_s_2015_170				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_NA0010_120_170_20150527_00007.jpg



Looking northwest at typical view of waterward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/22/2015 05/22/2015	Richard Willoughby

LM Start	9.46	Rating **	A/W	Issue No.	2
LM End	9.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.220223 °	37.220223 °
				-120.788590 °	-120.788590 °
DWR ID	DWR_NA0010_02B_f_2014_2				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	12.10	Rating **	A/W	Issue No.	5
LM End	12.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.193504 °	37.193504 °
				-120.763859 °	-120.763859 °
DWR ID	DWR_NA0010_02B_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove wild roses on landside toe.					

Photo 1 of 1 : SP_2015_NA0010_120_5_20150309_00005.jpg



Looking north at wildroses on landward slope.

LM Start	12.25	Rating **	M	Issue No.	1
LM End	12.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.191500 °	37.191500 °
				-120.764521 °	-120.764521 °
DWR ID	DWR_NA0010_02B_f_2014_1				
Action/Comments					
Tree or limb					
Inspector Comments: Fallen tree limbs on landward slope.					

Photo 1 of 2 : SP_2015_NA0010_120_1_20150309_00001.jpg



Looking southwest at tree limb on waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/22/2015 05/22/2015	Richard Willoughby

LM Start	12.25	Rating **	M	Issue No.	1 (cont)	
LM End	12.25	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.191500 °		37.191500 °
				-120.764521 °		-120.764521 °
DWR ID	DWR_NA0010_02B_f_2014_1					
Action/Comments						
Tree or limb						
Inspector Comments: Fallen tree limbs on landward slope.						

Photo 2 of 2 : SP_2015_NA0010_120_1_20150309_00002.jpg



Looking southwest at tree limb on waterward slope.

LM Start	13.42	Rating **	M	Issue No.	167
LM End	13.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.176379 °	37.176379 °
				-120.762255 °	-120.762255 °
DWR ID	DWR_NA0010_02B_s_2015_167				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

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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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River			Right	2.10
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/21/2015 - 05/21/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

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The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	66
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.111728 °	37.088908 °
				-120.587563 °	-120.566846 °
DWR ID	DWR_NA0010_03_s_2015_66				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					
Inspector Comments: Control annual growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_121_66_20150527_00023.jpg



Looking at typical view of waterward slope.

LM Start	0.19	Rating **	M	Issue No.	67
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.109013 °	37.109013 °
				-120.587799 °	-120.587799 °
DWR ID	DWR_NA0010_03_s_2015_67				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent holes noted at landward toe.					

No Photos

LM Start	0.40	Rating **	M	Issue No.	4
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.106450 °	37.088965 °
				-120.586024 °	-120.566867 °
DWR ID	DWR_NA0010_03_f_2014_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_121_4_20150527_00024.jpg



Looking at typical view of landward slope.

*** 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.44	Rating **	M	Issue No.	68
LM End	0.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.106233 °	37.106233 °
				-120.585797 °	-120.585797 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:34083 DS_ID:19691 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend removing tall grass on landward slope and clearing sediment build up inside pipe. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.3 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.43). FS Date: 04/17/2014					

LM Start	1.54	Rating **	M	Issue No.	65
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.094270 °	37.094270 °
				-120.573112 °	-120.573112 °
DWR ID	DWR_NA0010_03_s_2015_65				

No Photos

Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/21/2015 05/21/2015	Richard Willoughby

LM Start	1.73	Rating **	M	Issue No.	69
LM End	1.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.092079 °	37.092079 °
				-120.572316 °	-120.572316 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39371					
DS_ID:19693					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend clearing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.8 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.72).					
FS Date: 04/17/2014					

No Photos

LM Start	2.05	Rating **	A/W	Issue No.	5
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.089317 °	37.089317 °
				-120.567480 °	-120.567480 °
DWR ID	DWR_NA0010_03_f_2014_5				
Action/Comments					
Prunings					
Inspector Comments: Prunings on landward toe.					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/21/2015 05/21/2015	Richard Willoughby

LM Start	2.06	Rating **	M	Issue No.	70
LM End	2.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.089394 °	37.089394 °
				-120.567731 °	-120.567731 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36543 DS_ID:19694 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner--additional appurtenances found on waterward side not part of original description. Unable to determine if walkway, pump, and pipe through waterward berm is if part of original crossing. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 6.6 feet below the crown. Slide gate on the waterward end. Pump on the waterward bank. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.05). FS Date: 04/17/2014					

* 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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 04 San Joaquin River			Left	1.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/21/2015 - 05/21/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	105
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112570 °	37.100055 °
				-120.589082 °	-120.580240 °
DWR ID	DWR_NA0010_04_s_2015_105				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					
Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_122_105_20150527_00051.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	M	Issue No.	106
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112570 °	37.097534 °
				-120.589082 °	-120.578145 °
DWR ID	DWR_NA0010_04_s_2015_106				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_122_106_20150527_00052.jpg



Looking at typical view of waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	107
LM End	0.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112353 °	37.112353 °
				-120.589565 °	-120.589565 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40529 DS_ID:19977 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 1 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure. FS Date: 04/17/2014					

No Photos

LM Start	0.03	Rating **	M	Issue No.	108
LM End	0.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112348 °	37.112348 °
				-120.589581 °	-120.589581 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36875 DS_ID:24856 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 2 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure. FS Date: 04/17/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	109
LM End	0.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112343 °	37.112343 °
				-120.589601 °	-120.589601 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36876 DS_ID:24857 EP_NO: 5024 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 3 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure. FS Date: 04/17/2014					

No Photos

LM Start	0.03	Rating **	M	Issue No.	110
LM End	0.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112336 °	37.112336 °
				-120.589624 °	-120.589624 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36877					
DS_ID:24858					
EP_NO: 5024					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned.					
FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 4 of 4: 72x60-inch R.C.B.C. through the levee, 21.0 feet below the crown. Slide gates on the waterward side. Concrete headwalls on both sides. Landward slope cobble revetted. Flashboards can be seen on the downstream side of the structure.					
FS Date: 04/17/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.24	Rating **	M	Issue No.	111
LM End	0.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.109933 °	37.109933 °
				-120.590689 °	-120.590689 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:34093 DS_ID:19695 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment and debris blocking concrete headwall located on waterward side. During inspection water was flowing from landward side to waterward side. Recommend removing sediment to confirm condition of flap gate and pipe. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 18.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both sides. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.27). FS Date: 04/17/2014					

LM Start	0.30	Rating **	A/W	Issue No.	4
LM End	0.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.109052 °	37.109052 °
				-120.590800 °	-120.590800 °
DWR ID	DWR NA0010 04 s 2014 4				

Action/Comments					
Tree or limb Inspector Comments: Downed tree on landward slope and toe.					

Photo 1 of 1 : SP_2015_NA0010_122_4_20150309_00004.jpg



Looking east at downed tree and prunings on landward slope and toe.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.32	Rating **	M	Issue No.	3
LM End	1.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.108822 °	37.096532 °
				-120.590718 °	-120.578027 °
DWR ID	DWR_NA0010_04_s_2012_3				
Action/Comments					
Ditch					
Inspector Comments: Agricultural ditch within 10' easement.					

LM Start	0.32	Rating **	M	Issue No.	3 (cont)
LM End	1.49	Issue Type +	En	Location *	LS

LM Start	0.32	Rating **	M	Issue No.	3 (cont)
LM End	1.49	Issue Type +	En	Location *	LS

Photo 1 of 3 : SP_2015_NA0010_122_3_20150309_00001.jpg



Looking north at irrigation ditch at landside toe.

Photo 2 of 3 : SP_2015_NA0010_122_3_20150309_00002.jpg



Looking north at irrigation ditch at landward toe. (Fall 2013)

Photo 3 of 3 : SP_2015_NA0010_122_3_20150309_00003.jpg



Looking north at irrigation ditch at landside 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/21/2015 05/21/2015	Richard Willoughby

LM Start	1.58	Rating **	M	Issue No.	112
LM End	1.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.095274 °	37.095274 °
				-120.577959 °	-120.577959 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40530					
DS_ID:19975					
EP_NO: 3416					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to confirm if crossing is still in use. Need to					

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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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 05 East Side Bypass			Right	34.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/20/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	1307
LM End	0.65	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.278767 °	37.273430 °
				-120.824107 °	-120.815127 °
DWR ID	DWR_NA0010_05_s _ 2015_1307				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control vegetation on levee crown.					

No Photos

LM Start	0.07	Rating **	M	Issue No.	1312
LM End	0.07	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.278174 °	37.278174 °
				-120.823465 °	-120.823465 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39563 DS_ID:19756 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris blocking landward headwall--recommend clearing. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.07). FS Date: 04/09/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	0.31	Rating **	U	Issue No.	1313
LM End	0.31	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.276669 °	37.276669 °
				-120.819755 °	-120.819755 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39315 DS_ID:24867 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe is open on both ends and levee has been degraded at this location. No permit identified for this crossing. FIELD_STRUCT_DESC: 6'X9' CMP stormdrain through the levee 4.5-feet below the crown. Pipe is CMP on WS toe and Steel on the LS toe. The levee is degraded at this location. FS Date: 04/09/2014					

No Photos

LM Start	0.59	Rating **	M	Issue No.	1314
LM End	0.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273945 °	37.273945 °
				-120.815835 °	-120.815835 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39584					
DS_ID:19757					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Excess debris on landward headwall--recommend clearing.					
FIELD_STRUCT_DESC: 30-inch C.M. stormdrain pipe through the levee, 7.5 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.59).					
FS Date: 04/09/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	0.65	Rating **	M	Issue No.	1315
LM End	0.65	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39585 DS_ID:19758 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. Cobble revetment around both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.65). FS Date: 04/09/2014					

No Photos

LM Start	2.82	Rating **	M	Issue No.	1308
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256783 °	37.256783 °
				-120.785438 °	-120.785438 °
DWR ID	DWR_NA0010_05_s_2015_1308				
Action/Comments					
Tree or limb					
Inspector Comments: Discard dead tree limbs at landward toe.					

Photo 1 of 2 : SP_2015_NA0010_123_1308_20150527_00459.jpg



Looking southeast at dead tree limbs on landward toe.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	2.82	Rating **	M	Issue No.	1308 (cont)
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256783 °	37.256783 °
				-120.785438 °	-120.785438 °
DWR ID	DWR_NA0010_05_s _ 2015_1308				
Action/Comments					
Tree or limb					
Inspector Comments: Discard dead tree limbs at landward toe.					

Photo 2 of 2 : SP_2015_NA0010_123_1308_20150527_00460.jpg



Looking south at several dead tree limbs on landward toe.

LM Start	2.82	Rating **	A/W	Issue No.	3
LM End	2.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.256803 °	37.256835 °
				-120.785407 °	-120.784528 °
DWR ID	DWR_NA0010_05_s _ 2012_3				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 2 : SP_2015_NA0010_123_3_20150309_00002.jpg



Looking south at trimmed trees on landward slope and toe.

LM Start	2.82	Rating **	A/W	Issue No.	3 (cont)
LM End	2.87	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_123_3_20150309_00003.jpg



Looking south at dense trees on landside slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	2.83	Rating **	M	Issue No.	1316
LM End	2.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.256810 °	37.256810 °
				-120.785113 °	-120.785113 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33709 DS_ID:19809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Log partially blocking inlet at LS toe.					

No Photos

LM Start	3.20	Rating **	M	Issue No.	6
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256635 °	37.256635 °
				-120.778935 °	-120.778935 °
DWR ID	DWR_NA0010_05_s _ 2014_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: No rodent visible but several rodent holes visible.					

Photo 1 of 1 : SP_2015_NA0010_123_6_20150527_00461.jpg



Looking at typical view of rodent holes on waterward slope.

LM Start	3.20	Rating **	M	Issue No.	7
LM End	3.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256554 °	37.256554 °
				-120.778847 °	-120.778847 °
DWR ID	DWR_NA0010_05_f _ 2012_7				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on waterside slope.					

Photo 1 of 3 : SP_2015_NA0010_123_7_20150309_00004.jpg



Looking south at unauthorized ramp on waterside slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	3.20	Rating **	M	Issue No.	7 (cont)	
LM End	3.20	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.256554 °		37.256554 °
				-120.778847 °		-120.778847 °
DWR ID	DWR_NA0010_05_f_2012_7					
Action/Comments						
Ramp						
Inspector Comments: Unauthorized ramp on waterside slope.						

Photo 2 of 3 : SP_2015_NA0010_123_7_20150309_00005.jpg



Looking northwest at unauthorized ramp on waterward slope.

Photo 3 of 3 : SP_2015_NA0010_123_7_20150309_00006.jpg



Looking northwest at unauthorized ramp on waterside slope.

LM Start	3.33	Rating **	M	Issue No.	1317
LM End	3.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255258 °	37.255258 °
				-120.776996 °	-120.776996 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43055					
DS_ID:19810					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe corroded through at flapgate on WS toe.					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	3.34	Rating **	A/W	Issue No.	1
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.255297 °	37.255297 °
				-120.777032 °	-120.777032 °
DWR ID	DWR_NA0010_05_s _ 2012_1				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.55	Rating **	A/W	Issue No.	2
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255192 °	37.255192 °
				-120.773595 °	-120.773595 °
DWR ID	DWR_NA0010_05_s _ 2012_2				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limb on landside slope and toe.					

Photo 1 of 1 : SP_2015_NA0010_123_2_20150309_00001.jpg



Looking south at down tree limb on landside slope and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	3.66	Rating **	M	Issue No.	1318
LM End	3.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252308 °	37.252308 °
				-120.768038 °	-120.768038 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39586 DS_ID:19811 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.67). FS Date: 04/16/2014					

No Photos

LM Start	4.01	Rating **	M	Issue No.	1319
LM End	4.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248432 °	37.248432 °
				-120.764066 °	-120.764066 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39880					
DS_ID:19769					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 16.0 feet below the crown. Flap gate on the waterward end.					
Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.02).					
FS Date: 04/16/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	4.26	Rating **	M	Issue No.	1320
LM End	4.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.246008 °	37.246008 °
				-120.760706 °	-120.760706 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39588					
DS_ID:19770					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.6-feet below the crown. Flap gate on the waterward end. Concrete head wall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.27).					
FS Date: 04/16/2014					

No Photos

LM Start	4.53	Rating **	M	Issue No.	1321
LM End	4.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243668 °	37.243668 °
				-120.756812 °	-120.756812 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39589					
DS_ID:19771					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.54).					
FS Date: 04/16/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	4.88	Rating **	M	Issue No.	1322
LM End	4.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240978 °	37.240978 °
				-120.751613 °	-120.751613 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39590					
DS_ID:19772					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.3-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.89).					
FS Date: 04/16/2014					

No Photos

LM Start	5.13	Rating **	M	Issue No.	1323
LM End	5.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39591 DS_ID:19773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.15). FS Date: 04/16/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	5.58	Rating **	A/W	Issue No.	8
LM End	5.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.238970 °	37.238970 °
				-120.739688 °	-120.739688 °
DWR ID	DWR_NA0010_05_s _ 2014_8				
Action/Comments					
Pipe Inspector Comments: Landowner installed 18" pvc pipe to 24" drain pipe. Eighteen inch pipe has a water meter installed. It appears that dike around drainage structure will prevent proper drainage.					

Photo 1 of 2 : SP_2015_NA0010_123_8_20150309_00007.jpg



Looking west at drain structure on landward toe.

LM Start	5.58	Rating **	A/W	Issue No.	8 (cont)
LM End	5.58	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_123_8_20150309_00008.jpg



Looking south at drain structure on landward toe.

LM Start	6.52	Rating **	M	Issue No.	15
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.230497 °	37.230497 °
				-120.727263 °	-120.727263 °
DWR ID	DWR_NA0010_05_s _ 2012_15				
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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	6.59	Rating **	M	Issue No.	1309
LM End	6.59	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.229682 °	37.229682 °
				-120.726305 °	-120.726305 °
DWR ID	DWR_NA0010_05_s _ 2015_1309				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Landward slope damage caused by animal foot traffic.					

Photo 1 of 2 : SP_2015_NA0010_123_1309_20150527_00462.jpg



Looking north at damaged landward slope.

LM Start	6.59	Rating **	M	Issue No.	1309 (cont)
LM End	6.59	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_123_1309_20150527_00463.jpg



Looking south at damaged landward slope.

LM Start	7.36	Rating **	M	Issue No.	1324
LM End	7.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.224560 °	37.224560 °
				-120.714057 °	-120.714057 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39592					
DS_ID:19761					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	7.58	Rating **	M	Issue No.	1325
LM End	7.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.221465 °	37.221465 °
				-120.713780 °	-120.713780 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34170 DS_ID:19762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. Slide gate rusted shut on WS slope. Unable to locate inlet or outlet. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 20.4 feet below the crown. Slide gate in 36-inch C.M. pipe riser unit in waterward slope. Concrete "U" headwalls on each end (not found 2014). (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.58). FS Date: 04/22/2014					

No Photos

LM Start	8.08	Rating **	M	Issue No.	4
LM End	8.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.213600 °	37.213600 °
				-120.706630 °	-120.706630 °
DWR ID	DWR_NA0010_05_s_2012_4				
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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	8.45	Rating **	M	Issue No.	1326
LM End	8.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.209606 °	37.209606 °
				-120.702069 °	-120.702069 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34265 DS_ID:19763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe filled with silt on LS toe and should be cleared. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 16.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwalls on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.44). FS Date: 04/22/2014					

No Photos

LM Start	8.85	Rating **	M	Issue No.	5
LM End	8.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.205778 °	37.205778 °
				-120.696843 °	-120.696843 °
DWR ID	DWR_NA0010_05_s_2012_5				
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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	10.05	Rating **	M	Issue No.	1327
LM End	10.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.194736 °	37.194736 °
				-120.680116 °	-120.680116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34273 DS_ID:19767 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slidegate actuator appears bent and may not work properly (WS slope). FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 15.0-feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.05). FS Date: 04/22/2014					

No Photos

LM Start	12.88	Rating **	M	Issue No.	27
LM End	13.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175782 °	37.174988 °
				-120.641112 °	-120.637376 °
DWR ID	DWR_NA0010_05_s _ 2013_27				
Action/Comments					
Fence					
Inspector Comments: Electric fence on landward slope.					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	12.88	Rating **	M	Issue No.	1328
LM End	12.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.175816 °	37.175816 °
				-120.640865 °	-120.640865 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39593 DS_ID:19707 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 10.2-feet below the crown. Flap gate on the waterward end. Concrete headwalls on the landward end with flashboards. Concrete saddle and apron on the waterward end with a flapgate. Metal screen at LS toe inlet (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.87). FS Date: 04/22/2014					

LM Start	13.01	Rating **	M	Issue No.	1310
LM End	13.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175587 °	37.175587 °
				-120.638730 °	-120.638730 °
DWR ID	DWR NA0010 05 s 2015 1310				

Action/Comments					
Tree or limb Inspector Comments: Downed tree on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_123_1310_20150527_00464.jpg



Looking south at fallen tree limbs on waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	13.41	Rating **	M	Issue No.	1329
LM End	13.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171523 °	37.171523 °
				-120.633442 °	-120.633442 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34288 DS_ID:19708 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some erosion around headwall on the WS toe and there are animal burrows on both slopes. FIELD_STRUCT_DESC: 48-inch C.M. stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end. Flashboard attachment in concrete "U" headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.40). FS Date: 04/22/2014					

No Photos

LM Start	13.59	Rating **	M	Issue No.	1311
LM End	13.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.169607 °	37.169607 °
				-120.631358 °	-120.631358 °
DWR ID	DWR_NA0010_05_s_2015_1311				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_123_1311_20150527_00465.jpg



Looking east at a fallen tree limbs on waterward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	13.71	Rating **	M	Issue No.	1330
LM End	13.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.168202 °	37.168202 °
				-120.629886 °	-120.629886 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34824					
DS_ID:19709					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe not visible and may need to have silt removed from outlet on WS toe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 16-feet below the crown. Flap gate on the waterward end. Slidegate on concrete headwall at LS toe. Concrete saddle and apron on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.72).					
FS Date: 04/22/2014					

No Photos

LM Start	15.09	Rating **	M	Issue No.	1331
LM End	15.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.156805 °	37.156805 °
				-120.609513 °	-120.609513 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34664 DS_ID:19712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor erosion at headwall on WS toe. FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 11.9 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.09). FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	15.75	Rating **	M	Issue No.	1332
LM End	15.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.150012 °	37.150012 °
				-120.601330 °	-120.601330 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39595 DS_ID:19713 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. Stormdrain pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.74). FS Date: 04/23/2014					

No Photos

LM Start	15.80	Rating **	M	Issue No.	1333
LM End	15.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.149381 °	37.149381 °
				-120.600761 °	-120.600761 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39596 DS_ID:19715 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Excess vegetation at inlet on LS toe should be cleared. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12-feet below the crown. Flap gate on the waterward end. Concrete head wall on the landward end. Concrete saddle and apron on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.80). FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	16.67	Rating **	M	Issue No.	1334	
LM End	16.67	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.138760 °		37.138760 °
				-120.592393 °		-120.592393 °
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:34725						
DS_ID:19716						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe heavily silted on LS toe.						
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the						
levee, 10.5-feet below the crown. Flap gate on the waterward end.						
Concrete headwall on both ends. (USACE-1967). This entry matches						
the Drainage or Irrigation Structure referenced in O&M manual (HLM						
16.67).						
FS Date: 04/23/2014						

No Photos

LM Start	17.21	Rating **	M	Issue No.	1335
LM End	17.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.132211 °	37.132211 °
				-120.587106 °	-120.587106 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39597 DS_ID:19717 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side-- recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 12-feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.20). FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	17.53	Rating **	M	Issue No.	1336
LM End	17.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.127843 °	37.127843 °
				-120.585245 °	-120.585245 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39599 DS_ID:19743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 9.8-feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.52). FS Date: 04/23/2014					

No Photos

LM Start	18.08	Rating **	M	Issue No.	1337
LM End	18.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.120309 °	37.120309 °
				-120.582041 °	-120.582041 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34747 DS_ID:19745 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Animal burrows in levee on both slopes. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.4-feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.07). FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	18.69	Rating **	M	Issue No.	1338
LM End	18.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.115472 °	37.115472 °
				-120.573628 °	-120.573628 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39600 DS_ID:19746 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.68). FS Date: 04/23/2014					

No Photos

LM Start	19.14	Rating **	M	Issue No.	1339
LM End	19.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.115466 °	37.115466 °
				-120.565467 °	-120.565467 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39601					
DS_ID:19747					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.11).					
FS Date: 04/23/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	19.46	Rating **	M	Issue No.	1340
LM End	19.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113542 °	37.113542 °
				-120.560389 °	-120.560389 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39602					
DS_ID:19777					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 9.0-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.46).					
FS Date: 04/23/2014					

No Photos

LM Start	19.49	Rating **	M	Issue No.	1341
LM End	19.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113172 °	37.113172 °
				-120.560014 °	-120.560014 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39345					
DS_ID:24868					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Markers closer to the levee may be necessary to properly mark pipe crossing location.					
FIELD_STRUCT_DESC: Gasline of unknown diameter at unknown depth below the crown. CMP riser and gasline marker off LS toe.					
FS Date: 04/22/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	19.51	Rating **	M	Issue No.	1342
LM End	19.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112953 °	37.112953 °
				-120.559943 °	-120.559943 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39603 DS_ID:19778 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.50). FS Date: 04/23/2014					

No Photos

LM Start	20.13	Rating **	M	Issue No.	1343
LM End	20.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.106149 °	37.106149 °
				-120.552538 °	-120.552538 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34759 DS_ID:19782 EP_NO: 13828 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: *DELETE* NOT INSTALLED THROUGH THE LEVEE. 24-inch steel irrigation pipe through the levee, 4.0 feet below the crown. Pump missing from pad on the landward side. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe on landward shoulder. Pre-existing ditch runs from waterward toe to channel. Pipe extends from pump to the channel. Rock revetment on the cut slopes of the inlet channel. (Permit No. 13828-1988) FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	20.59	Rating **	M	Issue No.	1344
LM End	20.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.100903 °	37.100903 °
				-120.547282 °	-120.547282 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39605 DS_ID:19784 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.59). FS Date: 04/23/2014					

No Photos

LM Start	21.08	Rating **	M	Issue No.	1345
LM End	21.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.095603 °	37.095603 °
				-120.541593 °	-120.541593 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39606					
DS_ID:19785					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.8-feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.08).					
FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	21.43	Rating **	M	Issue No.	1346
LM End	21.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.091755 °	37.091755 °
				-120.537414 °	-120.537414 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39614 DS_ID:19786 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 12.7-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.42). FS Date: 04/23/2014					

No Photos

LM Start	21.81	Rating **	M	Issue No.	1347
LM End	21.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.087525 °	37.087525 °
				-120.532827 °	-120.532827 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39883 DS_ID:19787 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.4-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.81). FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	21.85	Rating **	M	Issue No.	1348
LM End	21.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.087108 °	37.087108 °
				-120.532374 °	-120.532374 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39610 DS_ID:19788 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.7-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.85). FS Date: 04/23/2014					

No Photos

LM Start	22.19	Rating **	M	Issue No.	1349
LM End	22.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.083410 °	37.083410 °
				-120.528356 °	-120.528356 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39611					
DS_ID:19789					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope.					
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.19).					
FS Date: 04/23/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	22.46	Rating **	M	Issue No.	1350
LM End	22.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.080486 °	37.080486 °
				-120.525180 °	-120.525180 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39613 DS_ID:19790 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.4-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.79). FS Date: 04/23/2014					

No Photos

LM Start	22.79	Rating **	M	Issue No.	1351
LM End	22.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.076830 °	37.076830 °
				-120.521116 °	-120.521116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39616 DS_ID:19791 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 12.2-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.94). FS Date: 04/23/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	22.93	Rating **	M	Issue No.	1352
LM End	22.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
Item				Start	End
	DWR UCIP Field Study	37.075387 °	37.075387 °		
		-120.519406 °	-120.519406 °		
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39617 DS_ID:19792 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.1-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.79). FS Date: 04/23/2014					

No Photos

LM Start	23.07	Rating **	M	Issue No.	1353
LM End	23.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.073901 °	37.073901 °
				-120.517651 °	-120.517651 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39618 DS_ID:19793 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris blocking closure of outlet. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.5-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. FS Date: 04/23/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	23.63	Rating **	M	Issue No.	1354
LM End	23.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.067799 °	37.067799 °
				-120.511093 °	-120.511093 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39621					
DS_ID:19796					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 30-inch C.M. pipe through the levee, 12.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 23.62).					
FS Date: 03/25/2014					

No Photos

LM Start	23.93	Rating **	M	Issue No.	1355
LM End	23.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.064494 °	37.064494 °
				-120.507531 °	-120.507531 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39620					
DS_ID:19797					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 36-inch C.M. stormdrain pipe through the levee, 12.1 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 23.85).					
FS Date: 03/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	24.14	Rating **	M	Issue No.	1356
LM End	24.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.061707 °	37.061707 °
				-120.505413 °	-120.505413 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39622 DS_ID:19798 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 24.18). FS Date: 03/25/2014					

LM Start	24.46	Rating **	M	Issue No.	1357
LM End	24.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.058673 °	37.058673 °
				-120.501238 °	-120.501238 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39623 DS_ID:19799 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 24.46). FS Date: 03/25/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	24.89	Rating **	M	Issue No.	1358
LM End	24.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.054146 °	37.054146 °
				-120.495968 °	-120.495968 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41716					
DS_ID:19802					
EP_NO: 12873					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Clear soil from siphon breaker and install a protective riser.					
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 2.0 feet below the crown. Siphon breaker on waterward shoulder. Slant pump at channel on WS toe. Gatevalve on LS toe. Pre-existing ditch runs from waterward toe to channel. Riprap placed around intake. 2-inch PVC electrical conduit at same location (Permit No. 12873-1981)					
FS Date: 03/25/2014					

No Photos

LM Start	25.15	Rating **	M	Issue No.	1359
LM End	25.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.051477 °	37.051477 °
				-120.492650 °	-120.492650 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32789					
DS_ID:19803					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate propped open during flood season.					
FIELD_STRUCT_DESC: 30-inch C.M. stormdrain pipe through the					
levee, 11.3 feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the					
waterward end. (USACE-1967). This entry matches the Drainage or					
Irrigation Structure referenced in O&M manual (HLM 25.13).					
FS Date: 03/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	25.51	Rating **	M	Issue No.	1360
LM End	25.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.047455 °	37.047455 °
				-120.488443 °	-120.488443 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39625 DS_ID:19804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 30-inch C.M. pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 25.51). FS Date: 03/25/2014					

No Photos

LM Start	25.53	Rating **	M	Issue No.	1361
LM End	25.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.047170 °	37.047170 °
				-120.488222 °	-120.488222 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39626					
DS_ID:19805					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 30-inch C.M. stormdrain pipe through the levee, 12.1 feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 25.53).					
FS Date: 03/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	25.59	Rating **	A/W	Issue No.	9
LM End	25.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.047630 °	37.047042 °
				-120.488530 °	-120.488092 °
DWR ID	DWR_NA0010_05_s _ 2012_9				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	26.11	Rating **	M	Issue No.	1362
LM End	26.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.040070 °	37.040070 °
				-120.482796 °	-120.482796 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39627					
DS_ID:19806					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup in pipe visible from landward side--					
recommend contacting owner to clear pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the					
levee, 10.0 feet below the crown. Flap gate on the waterward end.					
Concrete headwall on the landward end. Concrete "U" headwall on the					
waterward end. (USACE-1967). This entry matches the Drainage or					
Irrigation Structure referenced in O&M manual (HLM 26.11).					
FS Date: 03/25/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	26.85	Rating **	M	Issue No.	1363
LM End	26.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032669 °	37.032669 °
				-120.473901 °	-120.473901 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39628 DS_ID:19808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has heavy silt buildup visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.4 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 26.85). FS Date: 03/25/2014					

No Photos

LM Start	26.88	Rating **	M	Issue No.	1364
LM End	26.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032680 °	37.032680 °
				-120.473454 °	-120.473454 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32806					
DS_ID:19748					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Tumble weed buildup at inlet mat create blockage and should be removed.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 11.3 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 26.87).					
FS Date: 03/25/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	28.17	Rating **	M	Issue No.	1365
LM End	28.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.032623 °	37.032623 °
				-120.450108 °	-120.450108 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32823					
DS_ID:19750					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Animal Burrowing activity at LS toe may undermine headwall.					
FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.8 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 28.17).					
FS Date: 03/25/2014					

No Photos

LM Start	28.95	Rating **	U	Issue No.	1366
LM End	28.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.028295 °	37.028295 °
				-120.439275 °	-120.439275 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32830					
DS_ID:19752					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate will not close due to 24-inch PVC pipe sleeved through pipe. Also slide gate rails rusted beyond use.					
FIELD_STRUCT_DESC: 48-inch concrete irrigation siphon pipe through the levee, 12.1 feet below the crown. Concrete "U" headwall on inlet structure on the landward end. Slide gate mounted on headwall. 36-inch C.M. pipe riser unit with slide gate, 8.0 feet upstream from siphon on the landward side. 24-inch pipe from this unit enters siphon behind inlet structure. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 28.95). [Rodunder Siphon Structure]					
FS Date: 03/27/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	29.48	Rating **	M	Issue No.	1367
LM End	29.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.021497 °	37.021497 °
				-120.434602 °	-120.434602 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39884 DS_ID:19753 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. FIELD_STRUCT_DESC: 36-inch C.M. pipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 29.49). FS Date: 03/27/2014					

No Photos

LM Start	29.68	Rating **	M	Issue No.	171
LM End	29.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.020272 °	37.018712 °
				-120.433737 °	-120.432682 °
DWR ID	DWR_NA0010_05_s_2014_171				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Waterside erosion caused by livestock.					

Photo 1 of 3 : SP_2015_NA0010_123_171_20150309_00011.jpg



Looking south at erosion caused by livestock on landside slope.

* 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**

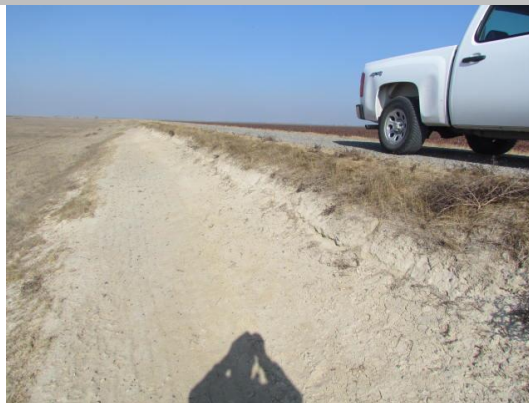
Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	29.68	Rating **	M	Issue No.	171 (cont)
LM End	29.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.020272 °	37.018712 °
				-120.433737 °	-120.432682 °
DWR ID	DWR_NA0010_05_s_2014_171				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Waterside erosion caused by livestock.					

Photo 2 of 3 : SP_2015_NA0010_123_171_20150309_00012.jpg



Looking south at livestock erosion on landward slope.

LM Start	29.68	Rating **	M	Issue No.	171 (cont)
LM End	29.80	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_NA0010_123_171_20150309_00013.jpg



Looking east at livestock erosion on landward slope.

LM Start	29.72	Rating **	M	Issue No.	1368
LM End	29.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.018505 °	37.018505 °
				-120.432544 °	-120.432544 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39631					
DS_ID:19754					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	29.86	Rating **	A/W	Issue No.	21
LM End	31.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.017953 °	36.996773 °
				-120.432132 °	-120.410739 °
DWR ID	DWR_NA0010_05_f_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	29.89	Rating **	M	Issue No.	16
LM End	29.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017540 °	37.017540 °
				-120.431955 °	-120.431955 °
DWR ID	DWR_NA0010_05_s_2012_16				
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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	30.04	Rating **	M	Issue No.	1369
LM End	30.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.014471 °	37.014471 °
				-120.429759 °	-120.429759 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39632 DS_ID:19696 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 30-inch square stormdrain R.C.B.C. through the levee, 13.1 feet below the crown. Concrete "U", headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 30.04). FS Date: 03/27/2014					

LM Start	30.46	Rating **	A/W	Issue No.	22
LM End	34.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.010443 °	36.978581 °
				-120.426820 °	-120.368381 °

Action/Comments					
Keep the crown roadway free of vegetation. Inspector Comments: Control wild growth on levee crown.					

Photo 1 of 1 : SP_2015_NA0010_123_22_20150309_00010.jpg



Looking at vegetation on levee crown.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	30.96	Rating **	M	Issue No.	1370
LM End	30.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.004212 °	37.004212 °
				-120.419178 °	-120.419178 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39633					
DS_ID:19697					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some debris buildup at LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. stormdrain through the levee, 13.3 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 30.96).					
FS Date: 03/27/2014					

No Photos

LM Start	31.20	Rating **	M	Issue No.	1371
LM End	31.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.001754 °	37.001754 °
				-120.416254 °	-120.416254 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39643					
DS_ID:19698					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Excess vegetation buildup at inlet on LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. stormdrain through levee, 13.4 feet below crown. Concrete "U" headwall on waterward end. Flap gate on waterward end. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 31.19).					
FS Date: 03/27/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	31.67	Rating **	M	Issue No.	1372
LM End	31.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995029 °	36.995029 °
				-120.408914 °	-120.408914 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39645 DS_ID:19700 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 13.0 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end with flashboard attachment. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 31.71). FS Date: 04/01/2014					

No Photos

LM Start	32.22	Rating **	M	Issue No.	1373
LM End	32.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.989435 °	36.989435 °
				-120.402626 °	-120.402626 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39646 DS_ID:19701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup inside culvert. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 14.2 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end with flashboard attachment. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 32.22). FS Date: 04/01/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	33.01	Rating **	M	Issue No.	1374
LM End	33.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.980861 °	36.980861 °
				-120.393116 °	-120.393116 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39647 DS_ID:19702 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup blocking landward headwall--recommend contacting owner to clear debris. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 12.2 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 33.01). FS Date: 04/01/2014					

No Photos

LM Start	33.71	Rating **	M	Issue No.	1375
LM End	33.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.976808 °	36.976808 °
				-120.382593 °	-120.382593 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39648 DS_ID:19703 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 13.9 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 33.72). FS Date: 04/01/2014					

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	

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/19/2015 05/20/2015	Richard Willoughby

LM Start	34.51	Rating **	M	Issue No.	1376
LM End	34.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.978593 °	36.978593 °
				-120.368511 °	-120.368511 °
DWR ID					

No Photos

Action/Comments
<p>Inspector Comments: FS_ID:39649</p> <p>DS_ID:19755</p> <p>EP_NO: N/A</p> <p>Repair Type: Non-Urgent</p> <p>Crossing Status: Found</p> <p>UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup visible on waterward headwall--recommend contacting owner to clear pipe.</p> <p>FIELD_STRUCT_DESC: 36-inch square R.C.B.C. through the levee, 9.7 feet below the crown. Slide gate in 56"X91" concrete riser unit on the waterward slope. Concrete "U" headwalls on both ends. Landside channel cobble revetted for 8.0 feet. (USACE-1967). [Chowchilla Canal Irrigation Structure] This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 34.51).</p> <p>FS Date: 04/01/2014</p>

LM Start	34.61	Rating **	M	Issue No.	11
LM End	34.61	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.978555 °	36.978555 °
				-120.368467 °	-120.368467 °
DWR ID	DWR_NA0010_05_s_2012_11				

	Action/Comments
Ramp	Inspector Comments: Unauthorized ramp on waterside slope. Ramp is caused by vehicle traffic.

Photo 1 of 1 : SP_2015_NA0010_123_11_20150309_00009.jpg



Looking west at unauthorized ramp on waterward slope.

* 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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 06 East Side Bypass			Left	36.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/20/2015 - 05/21/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	0.72	Rating **	M	Issue No.	1213
LM End	0.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271444 °	37.271444 °
				-120.815835 °	-120.815835 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39463 DS_ID:19815 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Sediment buildup on landward side. Recommend removing sediment buildup on landward toe. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 7.2 feet below crown. Slide gate inside 36-inch CM pipe riser in the waterward slope. Pump on concrete structure in channel. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.74). FS Date: 04/18/2014					

No Photos

LM Start	0.85	Rating **	M	Issue No.	1214
LM End	0.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.270460 °	37.270460 °
				-120.814290 °	-120.814290 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36565					
DS_ID:19816					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Landward side blocked--need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 16.2 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.86).					
FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	1.84	Rating **	A/W	Issue No.	125
LM End	1.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259527 °	37.259527 °
				-120.803300 °	-120.803300 °
DWR ID	DWR_NA0010_06_s _ 2012_125				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.94	Rating **	M	Issue No.	1215
LM End	1.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.259312 °	37.259312 °
				-120.802863 °	-120.802863 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36566 DS_ID:19817 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 13.5 feet below crown. Flap gate on the waterward end. Concrete headwall at both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.95). FS Date: 04/18/2014					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	2.60	Rating **	M	Issue No.	1216
LM End	2.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252948 °	37.252948 °
				-120.794352 °	-120.794352 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39464 DS_ID:19818 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Sediment buildup in pipe visible on landward side. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 6.9 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.61). FS Date: 04/18/2014					

No Photos

LM Start	2.63	Rating **	M	Issue No.	1217
LM End	2.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252743 °	37.252743 °
				-120.793756 °	-120.793756 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36568					
DS_ID:19819					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 9.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65).					
FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	2.84	Rating **	M	Issue No.	1218
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253020 °	37.253020 °
				-120.790219 °	-120.790219 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36569					
DS_ID:19820					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.5 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.85).					
FS Date: 04/18/2014					

No Photos

LM Start	3.07	Rating **	M	Issue No.	1219
LM End	3.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253811 °	37.253811 °
				-120.786059 °	-120.786059 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36583					
DS_ID:19821					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe.					
FIELD_STRUCT_DESC: 24 inch CM pipe through levee, 11.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.09).					
FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	3.27	Rating **	M	Issue No.	1220
LM End	3.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253513 °	37.253513 °
				-120.782509 °	-120.782509 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36584 DS_ID:19822 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe condition on waterward slope and landward toe (headwall blocked by dense vegetation). Recommend removing vegetation from landward toe. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.4 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 04/18/2014					

No Photos

LM Start	3.44	Rating **	M	Issue No.	1221
LM End	3.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.252152 °	37.252152 °
				-120.779969 °	-120.779969 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36585 DS_ID:19823 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment of crossing unknown--altered crossing. No headwall found on landward side only siphon breaker found a short distance from landward toe. Tall grass observed on waterward slope and some burrow activity also noticed. Need to contact owner to determine alignment of crossing and status of crossing. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 15.7 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. BM stamped 9770-152 on top of the headwall on the waterward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.43). FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	3.48	Rating **	M	Issue No.	1222
LM End	3.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
Item				Start	End
	DWR UCIP Field Study	37.251902 °	37.251902 °		
		-120.779391 °	-120.779391 °		
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39482 DS_ID:19824 EP_NO: 6965 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Description of structure does not match. Need to contact owner. Current description includes concrete platform, trash screen, and gage reading on waterward side. Metal box located on waterward shoulder. Large plant facility locate on landward side. FIELD_STRUCT_DESC: 16-inch steel discharge pipe through levee, 7.4 feet below crown. CM cutoff wall around pipe in center of levee. Siphon breaker on apex of pipe on landward levee shoulder. Pump on waterward side, with timber platform on waterward berm for support. Pipe exposed on both slopes. (Permit No. 6965-1971) FS Date: 04/10/2014					

No Photos

LM Start	3.53	Rating **	M	Issue No.	1223
LM End	3.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251687 °	37.251687 °
				-120.778534 °	-120.778534 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39465 DS_ID:19825 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup inside pipe visible from landward side. Excess soil is also present on landward toe partially blocking concrete headwall and inlet. Recommend removing soil from landward toe and clear buildup inside. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 6.8 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete headwall on both ends. Pipe connects to 30-inch steel drainpipe on waterward side. Drainpipe extends to pump on waterward side, on support platform in channel. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.54). Extension drainpipe and pump installed under Permit No. 12527 (1980). FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	3.76	Rating **	M	Issue No.	1224
LM End	3.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251199 °	37.251199 °
				-120.774474 °	-120.774474 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39466					
DS_ID:19826					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 7.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.77).					
FS Date: 04/18/2014					

No Photos

LM Start	3.96	Rating **	M	Issue No.	1225
LM End	3.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250742 °	37.250742 °
				-120.771026 °	-120.771026 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39467					
DS_ID:19827					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition.					
FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 6.7 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.97).					
FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	4.16	Rating **	M	Issue No.	1226
LM End	4.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.248353 °	37.248353 °
				-120.768922 °	-120.768922 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36606 DS_ID:19828 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.17). FS Date: 04/18/2014					

No Photos

LM Start	4.39	Rating **	M	Issue No.	1227
LM End	4.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.246459 °	37.246459 °
				-120.765470 °	-120.765470 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36607					
DS_ID:19829					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.3 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.41).					
FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	4.61	Rating **	A/W	Issue No.	16
LM End	4.61	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.244012 °	37.244012 °
				-120.761372 °	-120.761372 °
DWR ID	DWR_NA0010_06_s _ 2012_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several rodent holes on levee crown.					

No Photos

LM Start	4.66	Rating **	M	Issue No.	10
LM End	4.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.243540 °	37.243540 °
				-120.760782 °	-120.760782 °
DWR ID	DWR_NA0010_06_s _ 2012_10				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent holes next to fence post on landward slope.					

Photo 1 of 2 : SP_2015_NA0010_124_10_20150309_00011.jpg



Looking at rodent hole along fence line on landward slope.

Photo 2 of 2 : SP_2015_NA0010_124_10_20150309_00012.jpg



Looking at typical rodent holes on landward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	4.69	Rating **	M	Issue No.	1228
LM End	4.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243946 °	37.243946 °
				-120.761296 °	-120.761296 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39468					
DS_ID:19830					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sediment buildup inside crossing visible from					

No Photos

LM Start	4.75	Rating **	M	Issue No.	1229
LM End	4.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243408 °	37.243408 °
				-120.760564 °	-120.760564 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36609 DS_ID:19831 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend removing tall grass on landward toe to determine condition of crossing from landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.75). FS Date: 04/18/2014					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	4.93	Rating **	M	Issue No.	1230
LM End	4.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.242024 °	37.242024 °
				-120.757602 °	-120.757602 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36610 DS_ID:19862 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along waterward slope to conduct proper inspection of structure. Also recommend removing dense vegetation blocking landward headwall. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.94). FS Date: 04/18/2014					

LM Start	5.33	Rating **	M	Issue No.	1231
LM End	5.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.239098 °	37.239098 °
				-120.751774 °	-120.751774 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39875 DS_ID:19863 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Clear vegetation from waterward slope and landward headwall. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.9 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.34). FS Date: 04/18/2014					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	5.62	Rating **	M	Issue No.	1232
LM End	5.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.238610 °	37.238610 °
				-120.746591 °	-120.746591 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36611 DS_ID:19864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also recommend removing excess vegetation at landward headwall. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.63). FS Date: 04/18/2014					

LM Start	5.76	Rating **	A/W	Issue No.	9
LM End	5.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.238355 °	37.238355 °
				-120.742677 °	-120.742677 °

Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Levee damage caused by motorcycle traffic.					

Photo 1 of 2 : SP_2015_NA0010_124_9_20150309_00009.jpg



Looking northwest at damaged slope repaired.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	5.76	Rating **	A/W	Issue No.	9 (cont)
LM End	5.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.238355 °	37.238355 °
				-120.742677 °	-120.742677 °
DWR ID	DWR_NA0010_06_s _ 2012_9				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Levee damage caused by motorcycle traffic.					

Photo 2 of 2 : SP_2015_NA0010_124_9_20150309_00010.jpg



Looking at slope damage caused by vehicle traffic on landward slope.

LM Start	5.98	Rating **	U	Issue No.	65
LM End	5.98	Issue Type +	Ma	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Erosion Areas			37.236372 °	37.236372 °
				-120.739706 °	-120.739706 °
DWR ID	DWR_NA0010_06_f _ 2014_65				
Action/Comments					
Inspector Comments: Erosion on right side of headwall at landward toe.					

Photo 1 of 2 : SP_2015_NA0010_124_65_20150309_00016.jpg



Looking northwest at erosion around headwall of drainage structure on landward toe.

LM Start	5.98	Rating **	U	Issue No.	65 (cont)
LM End	5.98	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_124_65_20150309_00017.jpg



Looking south erosion around headwall of drainage structure on landward toe.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	6.05	Rating **	M	Issue No.	1233
LM End	6.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.236414 °	37.236414 °
				-120.739735 °	-120.739735 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39470					
DS_ID:19865					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Sediment buildup in pipe					

No Photos

LM Start	6.06	Rating **	A/W	Issue No.	22
LM End	6.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235777 °	37.235777 °
				-120.738598 °	-120.738598 °
DWR ID	DWR_NA0010_06_s _ 2012_22				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.09	Rating **	A/W	Issue No.	21
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235623 °	37.235623 °
				-120.738017 °	-120.738017 °
DWR ID	DWR_NA0010_06_s _ 2012_21				
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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	7.10	Rating **	A/W	Issue No.	7
LM End	7.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.226675 °	37.226675 °
				-120.724498 °	-120.724498 °
DWR ID	DWR_NA0010_06_s _ 2012_7				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	7.28	Rating **	M	Issue No.	1234
LM End	7.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.226102 °	37.226102 °
				-120.722739 °	-120.722739 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39471 DS_ID:19868 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Clear animal from waterward side. Some sediment buildup in pipe visible landward side--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.6 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.29). FS Date: 04/18/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	7.73	Rating **	M	Issue No.	1235
LM End	7.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.222743 °	37.222743 °
				-120.716416 °	-120.716416 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39472					
DS_ID:19869					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup in pipe visible on landward side--recommend clearing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.8 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.74). Skewed crossing					
FS Date: 04/18/2014					

No Photos

LM Start	8.20	Rating **	M	Issue No.	1236
LM End	8.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.216547 °	37.216547 °
				-120.713000 °	-120.713000 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39473 DS_ID:19870 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe--recommend contacting owner to clear sediment. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 16.5 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.21). FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	8.51	Rating **	M	Issue No.	1237
LM End	8.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.213288 °	37.213288 °
				-120.709503 °	-120.709503 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39474 DS_ID:19871 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Sediment buildup in pipe visible on landward side--recommend clearing. Good candidate for pressure test or video inspection due to signs of heavy corrosion. If no leaks after tests this crossing would be a good candidate for rehabilitation. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 9.2 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.51). FS Date: 04/18/2014					

No Photos

LM Start	9.59	Rating **	M	Issue No.	1238
LM End	9.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202481 °	37.202481 °
				-120.695303 °	-120.695303 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42525 DS_ID:19872 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 12/5/14 Accidently missed updating record. Photos have been added and coordinates have been updated. Unable to confirm if crossing is the same cable line originally identified in desk study at levee mile 6.43. Recommend contacting owner to confirm alignment, size of conduit, and permit issued. FIELD_STRUCT_DESC: Buried telephone cable under crown of roadway. FS Date: 04/18/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	9.63	Rating **	M	Issue No.	1239
LM End	9.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202014 °	37.202014 °
				-120.694820 °	-120.694820 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42524 DS_ID:19873 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/5/14 Accidently missed entry. Photos have been added and coordinates have been updated by Olivia Magana. Unable to determine condition of crossing due to limited access. Recommend contacting owner to provide condition of crossing. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 14.0 feet below crown. Slide gate in concrete diversion box on the waterward shoulder. FS Date: 04/18/2014					

No Photos

LM Start	9.64	Rating **	M	Issue No.	1240
LM End	9.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201544 °	37.201544 °
				-120.694865 °	-120.694865 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39492					
DS_ID:19742					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Accidentally missed--need photos					
FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 1 of 6.					
Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing.					
FS Date: 04/21/2014					

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	9.64	Rating **	M	Issue No.	1241
LM End	9.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39497					
DS_ID:19739					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Accidentally missed--need photos.					
FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 2 of 4.					
Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure.					
Rock revetment immediately downstream of structure. Provide field description for crossing.					
FS Date: 04/21/2014					

No Photos

LM Start	9.64	Rating **	M	Issue No.	1242
LM End	9.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39498					
DS_ID:19740					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Accidentally missed--need photos					
FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 3 of 6.					
Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing.					
FS Date: 04/21/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	9.64	Rating **	M	Issue No.	1243
LM End	9.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39885 DS_ID:19741 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Accidentally missed--need photos FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 4 of 4. Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing. FS Date: 04/21/2014					

No Photos

LM Start	9.65	Rating **	M	Issue No.	1244
LM End	9.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.201930 °	37.201930 °
				-120.694798 °	-120.694798 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39500					
DS_ID:19558					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Accidentally missed--need photos					
FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 5 of 6.					
Approximately 14 R.C.B.C. across intersection of Mariposa Bypass and Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wingwalls on both sides of structure. Rock revetment immediately downstream of structure. Provide field description for crossing.					
FS Date: 04/21/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	9.74	Rating **	M	Issue No.	1245
LM End	9.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200948 °	37.200948 °
				-120.694362 °	-120.694362 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39475					
DS_ID:19874					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Waterward side not visible--need to determine alignment.					
FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 14.0 feet below crown. Slide gate in concrete diversion box on the waterward shoulder.					
FS Date: 04/17/2014					

No Photos

LM Start	9.74	Rating **	M	Issue No.	6
LM End	10.95	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.200697 °	37.188106 °
				-120.692927 °	-120.677684 °
DWR ID	DWR_NA0010_06_s_2012_6				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Levee crown should be regraded due to excessive rutting.					

No Photos

LM Start	11.49	Rating **	M	Issue No.	14
LM End	11.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.186189 °	37.186189 °
				-120.668476 °	-120.668476 °
DWR ID	DWR_NA0010_06_s_2015_14				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Almond tree located along Sandy Mush Rd. on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_124_14_20150309_00013.jpg



Looking east at tree on waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	11.64	Rating **	M	Issue No.	1246
LM End	11.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.186227 °	37.186227 °
				-120.667337 °	-120.667337 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39892 DS_ID:19875 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to stop--high traffic area--safety issue. Crossing needs to be evaluated FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 16.6 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.64). FS Date: 04/17/2014					

No Photos

LM Start	11.82	Rating **	M	Issue No.	1247
LM End	11.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.185513 °	37.185513 °
				-120.664561 °	-120.664561 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39476 DS_ID:19876 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Clear debris from waterward and landward toes. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 17.0 feet below crown. Slide gate in pipe riser on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 11.82). FS Date: 04/17/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	13.31	Rating **	M	Issue No.	1248
LM End	13.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.171675 °	37.171675 °
				-120.655064 °	-120.655064 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39477					
DS_ID:19877					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Not accessible--crossing is buried on landward side.					
Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.8 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.30).					
FS Date: 04/17/2014					

No Photos

LM Start	14.45	Rating **	M	Issue No.	1249
LM End	14.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.167888 °	37.167888 °
				-120.636419 °	-120.636419 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39478 DS_ID:19878 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not accessible--crossing is buried on landward side. Need to contact owner to determine status. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 12.3 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.44). FS Date: 04/17/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	14.94	Rating **	M	Issue No.	1212
LM End	14.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.162287 °	37.162287 °
				-120.628791 °	-120.628791 °
DWR ID	DWR_NA0010_06_s _ 2015_1212				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several rodent holes noted on levee crown and landside and waterside slopes.					

Photo 1 of 1 : SP_2015_NA0010_124_1212_20150528_00399.jpg



Looking at rodent hole on levee crown.

LM Start	15.46	Rating **	M	Issue No.	124
LM End	15.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.158920 °	37.157217 °
				-120.620232 °	-120.618915 °
DWR ID	DWR_NA0010_06_s _ 2012_124				
Action/Comments					
Exterminate rodents and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	15.77	Rating **	M	Issue No.	1250
LM End	15.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.156934 °	37.156934 °
				-120.617210 °	-120.617210 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39480 DS_ID:19884 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Sediment buildup on both the waterward and landward side. Recommend removing sediment buildup from both side. Also recommend clearing excess sediment inside crossing. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 14.0 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.76). FS Date: 04/17/2014					

No Photos

LM Start	15.91	Rating **	M	Issue No.	1251
LM End	15.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.155539 °	37.155539 °
				-120.615303 °	-120.615303 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36663					
DS_ID:19885					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing. Waterward side is buried and not accessible. Landward side headwall is blocked by dense vegetation. Recommend confirming status of flap gate on waterward side and removing dense vegetation form landward side.					
FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 16.6 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.91).					
FS Date: 04/17/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	16.48	Rating **	M	Issue No.	1252
LM End	16.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.149747 °	37.149747 °
				-120.607702 °	-120.607702 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:36665 DS_ID:19559 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. Unable to confirm pipe diameter. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 5.9 feet below the crown. Slide gate on the waterward side. Siphon extends under channel. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 16.49). FS Date: 04/17/2014					

LM Start	16.89	Rating **	A/W	Issue No.	63
LM End	19.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.144129 °	37.113644 °
				-120.602479 °	-120.588271 °
DWR ID	DWR_NA0010_06 f_2014_63				

Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control tumble weeds on landward and waterward slopes.					

Photo 1 of 1 : SP_2015_NA0010_124_63_20150309_00014.jpg



Looking north at tumble weeds on levee slopes.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	16.89	Rating **	A/W	Issue No.	64
LM End	18.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.144128 °	37.119569 °
				-120.602479 °	-120.587353 °
DWR ID	DWR_NA0010_06_f_2014_64				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense tumble weeds on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_124_64_20150309_00015.jpg



Looking northeast at dense tumble weeds on waterward slope.

LM Start	18.29	Rating **	M	Issue No.	1253
LM End	18.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.127773 °	37.127773 °
				-120.590809 °	-120.590809 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39876 DS_ID:19887 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up on landward side toe -- debris blockage. No photos available. Recommend taking photos of crossing. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.5 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.27). FS Date: 04/17/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	18.91	Rating **	U	Issue No.	1254
LM End	18.91	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.119268 °	37.119268 °
				-120.587208 °	-120.587208 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42941 DS_ID:19888 EP_NO: 3040 Repair Type: Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Leak on waterward toe approximately 15 feet from toe. Good candidate for video or pressure test. FIELD_STRUCT_DESC: 48-inch CM pipe through levee, 8.8 feet below crown. Slide gate in riser pipe on the landward side (not waterward slope). Concrete headwall on the landward side (not waterward side). Siphon under channel. 24-inch CM "clean out" pipe at center of channel, metal plate cover. (Permit No. 3040-1960) FS Date: 04/17/2014					

No Photos

LM Start	18.98	Rating **	M	Issue No.	1255
LM End	18.98	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.118178 °	37.118178 °
				-120.586783 °	-120.586783 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36687 DS_ID:19889 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.2 feet below crown. Slide gate in pipe riser on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.97). FS Date: 04/17/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	19.14	Rating **	U	Issue No.	1211
LM End	19.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.114793 °	37.114793 °
				-120.587582 °	-120.587582 °
DWR ID	DWR_NA0010_06_s _ 2015_1211				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several large rodent holes with more than 2 cubic feet of material was noted on waterward slope					

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2015_NA0010_124_1211_20150528_00402.jpg



Looking at close-up view of large rodent hole on waterward slope.

Photo 2 of 3 : SP_2015_NA0010_124_1211_20150528_00400.jpg



Looking at large rodent hole on waterward slope.

Photo 3 of 3 : SP_2015_NA0010_124_1211_20150528_00401.jpg



Looking east at several rodent holes on waterward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	19.38	Rating **	M	Issue No.	1256
LM End	19.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.112902 °	37.112902 °
				-120.588751 °	-120.588751 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36688					
DS_ID:19890					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to					

No Photos

LM Start	19.82	Rating **	M	Issue No.	1257
LM End	19.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.113304 °	37.113304 °
				-120.579102 °	-120.579102 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36689 DS_ID:19891 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 2.5x2.5-foot R.C.B.C. through the levee, 14.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 19.85). FS Date: 04/17/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	20.79	Rating **	U	Issue No.	1209
LM End	20.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.113107 °	37.112176 °
				-120.563782 °	-120.562516 °
DWR ID	DWR_NA0010_06_s _ 2015_1209				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion on landward slope greater than 3 inches. Erosion caused by livestock.					

Photo 1 of 2 : SP_2015_NA0010_124_1209_20150528_00403.jpg



Looking north at livestock erosion on landward slope.

LM Start	20.79	Rating **	U	Issue No.	1209 (cont)
LM End	20.88	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_124_1209_20150528_00404.jpg



Looking northeast at livestock erosion on landward slope.

LM Start	20.83	Rating **	M	Issue No.	1210
LM End	20.83	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.112782 °	37.112782 °
				-120.563170 °	-120.563170 °
DWR ID	DWR_NA0010_06_s _ 2015_1210				
Action/Comments					
Garbage					
Inspector Comments: Garbage (sofa) dump on waterward berm about 100 plus feet away from waterward toe.					

Photo 1 of 1 : SP_2015_NA0010_124_1210_20150528_00405.jpg



Looking east at garbage (soft) on waterward berm.

*** 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	22.99	Rating **	M	Issue No.	8
LM End	23.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.088663 °	37.087968 °
				-120.538193 °	-120.537485 °
DWR ID	DWR_NA0010_06_s _ 2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	23.93	Rating **	M	Issue No.	1258
LM End	23.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.077406 °	37.077406 °
				-120.525938 °	-120.525938 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:34010 DS_ID:19879 EP_NO: 13638 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status. Crossing has been modified. FIELD_STRUCT_DESC: 16-inch steel pipe through levee, 3.5 feet below crown. Pump on the waterside. Siphon breaker on the landward shoulder. Cutoff wall around pipe at center of levee. Intake trench on waterward side. (Permit No. 13638-1984) FS Date: 04/17/2014					

No Photos

LM Start	24.58	Rating **	M	Issue No.	5
LM End	24.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.071198 °	°
				-120.519220 °	°
DWR ID	DWR_NA0010_06_s _ 2012_5				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Landside erosion caused by livestock.					

Photo 1 of 3 : SP_2015_NA0010_124_5_20150528_00406.jpg



Looking north at livestock erosion on landward slope. (Spring 2015)

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	24.58	Rating **	M	Issue No.	5 (cont)	
LM End	24.93	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.071198 °		°
				-120.519220 °		°
DWR ID	DWR_NA0010_06_s _ 2012_5					
Action/Comments						
Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comments: Landside erosion caused by livestock.						

Photo 2 of 3 : SP_2015_NA0010_124_5_20150309_00007.jpg



Looking north at livestock erosion on landward slope. (Spring 2014)

LM Start	24.58	Rating **	M	Issue No.	5 (cont)
LM End	24.93	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2015_NA0010_124_5_20150309_00008.jpg



Looking north at livestock erosion on landside slope. (Fall 2014)

LM Start	26.13	Rating **	M	Issue No.	1208
LM End	26.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.054222 °	37.054222 °
				-120.500862 °	-120.500862 °
DWR ID	DWR_NA0010_06_s _ 2015_1208				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes next to and within rock revertment on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_124_1208_20150528_00407.jpg



Looking northeast at several rodent holes on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	27.64	Rating **	M	Issue No.	3
LM End	27.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.036955 °	37.032887 °
				-120.484395 °	-120.481225 °
DWR ID	DWR_NA0010_06_s _ 2012_3				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Landside erosion caused by livestock. Erosion greater than 3" in depth on landward slope. Levee crown has narrowed within this reach.					

Photo 1 of 5 : SP_2015_NA0010_124_3_20150528_00408.jpg



Looking north at livestock erosion on landward shoulder and slope.(Spring 2015)

LM Start	27.64	Rating **	M	Issue No.	3 (cont)
LM End	27.97	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP_2015_NA0010_124_3_20150309_00003.jpg



Looking north at livestock erosion on landside shoulder and slope. (Fall 2014)

LM Start	27.64	Rating **	M	Issue No.	3 (cont)
LM End	27.97	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : SP_2015_NA0010_124_3_20150309_00004.jpg



Looking south at livestock erosion on landward slope. (Fall 2013)

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	27.64	Rating **	M	Issue No.	3 (cont)	
LM End	27.97	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.036955 °		37.032887 °
				-120.484395 °		-120.481225 °
DWR ID	DWR_NA0010_06_s _ 2012_3					
Action/Comments						
Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comments: Landside erosion caused by livestock. Erosion greater than 3" in depth on landward slope. Levee crown has narrowed within this reach.						

Photo 4 of 5 : SP_2015_NA0010_124_3_20150309_00005.jpg



Looking north at livestock erosion on landward slope. (Spring 2013)

Photo 5 of 5 : SP_2015_NA0010_124_3_20150309_00006.jpg



Looking south at livestock erosion on landside shoulder and slope.

LM Start	28.47	Rating **	M	Issue No.	19
LM End	28.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.029937 °	37.030102 °
				-120.473384 °	-120.469122 °
DWR ID	DWR_NA0010_06_s _ 2015_19				
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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	29.35	Rating **	M	Issue No.	1259
LM End	29.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.030369 °	37.030369 °
				-120.455969 °	-120.455969 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39886 DS_ID:19881 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 12.4 feet below crown. Slide gate in 48-inch CM pipe riser in the waterward slope. Concrete "U" headwall on both ends. Cobble pad on the landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 29.34). FS Date: 04/10/2014					

No Photos

LM Start	30.27	Rating **	M	Issue No.	1260
LM End	30.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.027330 °	37.027330 °
				-120.441498 °	-120.441498 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36693 DS_ID:19882 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Altered crossing--steel pipe section on landward side and concrete pipe section on waterward side. Joints on waterward side seperated. Need to contact owner to determine status. FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch R.C. siphon pipe through the levee, 14.5 feet below the crown. Concrete "U" headwall on outlet structure on the landward end. Slide gate mounted on the headwall. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 30.27). FS Date: 04/10/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	30.81	Rating **	U	Issue No.	1207
LM End	31.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.021615 °	37.018428 °
				-120.437587 °	-120.435378 °
DWR ID	DWR_NA0010_06_s _ 2015_1207				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Landward erosion greater than 1" in depth and greater than 3" in length. Erosion caused by livestock traffic.					

Photo 1 of 2 : SP_2015_NA0010_124_1207_20150528_00409.jpg



Looking northeast at livestock erosion on landward slope.

LM Start	30.81	Rating **	U	Issue No.	1207 (cont)
LM End	31.06	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_124_1207_20150528_00410.jpg



Looking south at livestock erosion on landward slope.

LM Start	31.10	Rating **	M	Issue No.	2
LM End	31.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017955 °	37.017955 °
				-120.435017 °	-120.435017 °
DWR ID	DWR_NA0010_06_s _ 2012_2				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 2 : SP_2015_NA0010_124_2_20150309_00001.jpg



Looking west at rodent holes on landside slope and toe near fence line.

*** 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	31.10	Rating **	M	Issue No.	2 (cont)	
LM End	31.10	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.017955 °		37.017955 °
				-120.435017 °		-120.435017 °
DWR ID	DWR_NA0010_06_s_2012_2					
Action/Comments						
Exterminate rodents and backfill and compact or grout burrows.						

Photo 2 of 2 : SP_2015_NA0010_124_2_20150309_00002.jpg



Looking at typical rodent hole on landside slope.

LM Start	32.99	Rating **	M	Issue No.	1261
LM End	32.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995672 °	36.995672 °
				-120.412919 °	-120.412919 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42526 DS_ID:19883 EP_NO: 6416A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing updated--need to contact owner to determine permit issued by CVFPB for authorized changes. FIELD_STRUCT_DESC: 20-inch (not 18 inch as mentioned in DS study) steel pipe through the levee, 3.9 feet below crown. Electrical conduit through levee. Capped with welded plate on landward end. Siphon breaker on apex of pipe on the landward shoulder. Cutoff wall around pipe at centerline of levee. Slant pump on waterward slope. (Permit No. 6416A-1980) FS Date: 04/10/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	33.08	Rating **	M	Issue No.	123
LM End	33.08	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.995667 °	36.995667 °
				-120.412910 °	-120.412910 °
DWR ID	DWR_NA0010_06_s _ 2012_123				
Action/Comments					
Fence					
Inspector Comments: Landowner constructed a metal fence around slant pump without a permit.					

Photo 1 of 1 : SP_2015_NA0010_124_123_20150309_00018.jpg



Looking northeast at new metal fence around slant pump on waterside slope.

LM Start	35.33	Rating **	M	Issue No.	1262
LM End	35.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.974509 °	36.974509 °
				-120.382056 °	-120.382056 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39481 DS_ID:19813 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. High vegetation along crossing alignment--recommend removing vegetation along pipe crossing. FIELD_STRUCT_DESC: 48x72-inch through the levee, 15.1 feet below the crown. Slide gate in concrete riser in the waterward slope. Concrete "U" headwall on both ends. Landside channel cobble revetted for 8.0 feet. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 35.33). FS Date: 04/10/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/20/2015 05/21/2015	Richard Willoughby

LM Start	35.36	Rating **	A/W	Issue No.	1
LM End	36.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974650 °	36.974430 °
				-120.383022 °	-120.367090 °
DWR ID	DWR_NA0010_06_s _ 2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 07 Bear Creek Bypass			Right	3.62
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/19/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.07	Rating **	U	Issue No.	188
LM End	0.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:41131 DS_ID:19892 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flapgate partially blocked by soil buildup at WS toe. FIELD_STRUCT_DESC: 24-inch C.M stormdrain pipe through the levee, 10.8 feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.07). FS Date: 04/15/2014					

LM Start	0.49	Rating **	M	Issue No.	189
LM End	0.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.258543 °	37.258543 °
				-120.764728 °	-120.764728 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:33713 DS_ID:19894 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. FIELD_STRUCT_DESC: 36-inch C.M stormdrain pipe through the levee, 9.7 feet below the crown. Slide gate in 48-inch C.M. pipe riser in the landward slope. Concrete "U" headwall on the landward end, inlet channel cobble revetted. Dilapidated wooden pier on WS. Waterward slope and outlet ditch cobble revetted. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.49). FS Date: 04/15/2014					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	29
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258722 °	37.258722 °
				-120.764867 °	-120.764867 °
DWR ID	DWR_NA0010_07_s _ 2012_29				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted on landward and waterward slope and shoulder.					

Photo 1 of 1 : SP_2015_NA0010_125_29_20150528_00010.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	0.85	Rating **	M	Issue No.	190
LM End	0.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262981 °	37.262981 °
				-120.761703 °	-120.761703 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39507 DS_ID:19896 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 9.8-feet below the crown. Flap gate on the waterward end. Wooden weir on concrete headwall at the LS toe. 36-inch concrete riser at LS toe. Concrete "U" headwall on the waterward end. Concrete standpipe on landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.85). FS Date: 04/15/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.22	Rating **	M	Issue No.	1
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.264387 °	37.264387 °
				-120.755805 °	-120.755805 °
DWR ID	DWR_NA0010_07_f_2012_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 2 : SP_2015_NA0010_125_1_20150309_00001.jpg



Looking north at several rodent holes on landward slope.

LM Start	1.22	Rating **	M	Issue No.	1 (cont)
LM End	1.22	Issue Type +	Ma	Location *	LS

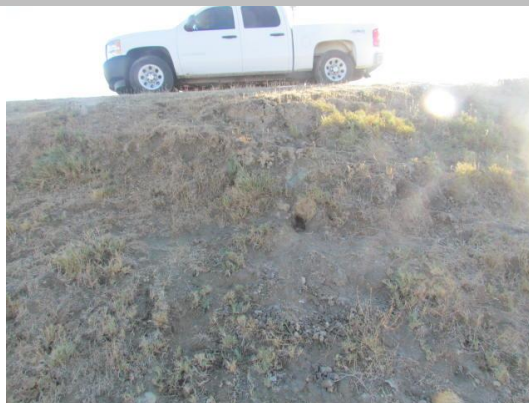
Photo 2 of 2 : SP_2015_NA0010_125_1_20150309_00002.jpg



Looking at east at active rodent holes on landside berm.

LM Start	1.25	Rating **	A/W	Issue No.	11
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.264367 °	37.264367 °
				-120.755218 °	-120.755218 °
DWR ID	DWR_NA0010_07_f_2014_11				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Slope damage caused by livestock and rodent activity.					

Photo 1 of 1 : SP_2015_NA0010_125_11_20150309_00008.jpg



Looking west at slope damage and rodent activity on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.50	Rating **	A/W	Issue No.	3
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263930 °	37.263930 °
				-120.750680 °	-120.750680 °
DWR ID	DWR_NA0010_07_s_2012_3				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Erosion on landward slope has been repaired by district. Landward toe erosion not repaired.					

Photo 1 of 5 : SP_2015_NA0010_125_3_20150528_00012.jpg



Looking east at repaired landward slope.

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)
LM End	1.50	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP_2015_NA0010_125_3_20150309_00003.jpg



Looking northeast at landside slope damaged by livestock.

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)
LM End	1.50	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : SP_2015_NA0010_125_3_20150309_00004.jpg



Looking south at landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)	
LM End	1.50	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.263930 °	37.263930 °	
				-120.750680 °	-120.750680 °	
DWR ID	DWR_NA0010_07_s _ 2012_3					
Action/Comments						
Repair the levee slope damaged by livestock and prevent large animal access.						
Inspector Comments: Erosion on landward slope has been repaired by district. Landward toe erosion not repaired.						

LM Start	1.50	Rating **	A/W	Issue No.	3 (cont)
LM End	1.50	Issue Type +	Ma	Location *	LS

Photo 4 of 5 : SP_2015_NA0010_125_3_20150309_00005.jpg



Looking southeast at damage on landward toe.(Spring 2013)

Photo 5 of 5 : SP_2015_NA0010_125_3_20150309_00006.jpg



Looking southeast at landside slope and toe damage by livestock.

LM Start	1.51	Rating **	M	Issue No.	6
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263885 °	37.263885 °
				-120.750527 °	-120.750527 °
DWR ID	DWR_NA0010_07_s _ 2014_6				
Action/Comments					
Exterminate rodents and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.71	Rating **	M	Issue No.	5
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.262570 °	37.262467 °
				-120.747453 °	-120.747180 °
DWR ID	DWR_NA0010_07_s _ 2013_5				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.94	Rating **	M	Issue No.	187
LM End	1.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261032 °	37.261032 °
				-120.743705 °	-120.743705 °
DWR ID	DWR_NA0010_07_s _ 2015_187				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several rodent holes noted on levee crown.					

Photo 1 of 1 : SP_2015_NA0010_125_187_20150528_00013.jpg



Looking at several rodent holes on levee crown.

LM Start	2.09	Rating **	M	Issue No.	12
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259187 °	37.259187 °
				-120.742551 °	-120.742551 °
DWR ID	DWR_NA0010_07_f _ 2014_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent activity noted next to fence post.					

Photo 1 of 1 : SP_2015_NA0010_125_12_20150309_00009.jpg



Looking east at rodent hole next to fence post on landward shoulder.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/19/2015 05/19/2015	Richard Willoughby

LM Start	2.63	Rating **	A/W	Issue No.	8
LM End	2.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.254896 °	37.254896 °
				-120.734926 °	-120.734926 °
DWR ID	DWR_NA0010_07_s_2014_8				
Action/Comments					
Pipe					
Inspector Comments: Same landowner at LM 2.48 is connecting eighteen inch to drain pipe to montior water draining into channel. Landowner has corrected site according to Board standards.					

Photo 1 of 1 : SP_2015_NA0010_125_8_20150309_00007.jpg



Looking west at site corrected according to Board standards.

LM Start	3.09	Rating **	M	Issue No.	191
LM End	3.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.251883 °	37.251883 °
				-120.728264 °	-120.728264 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39508 DS_ID:19901 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup at landward toe and inside pipe--recommend clearing. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 10.4-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.09). FS Date: 04/15/2014					

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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 08 Bear Creek Bypass			Left	3.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/19/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.01	Rating **	A/W	Issue No.	28
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.253178 °	37.256802 °
				-120.768513 °	-120.740452 °
DWR ID	DWR_NA0010_08_s _ 2012_28				
Action/Comments					
Keep the crown roadway free of vegetation.					

Photo 1 of 2 : SP_2015_NA0010_126_28_20150309_00005.jpg



Looking west at levee crown in complies with standards.

LM Start	0.01	Rating **	A/W	Issue No.	28 (cont)
LM End	2.22	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_126_28_20150309_00006.jpg



Looking west at vegetation on levee crown.

LM Start	0.90	Rating **	M	Issue No.	29
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.262384 °	37.262384 °
				-120.760528 °	-120.760528 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39887					
DS_ID:19832					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at inlet on LS toe.					

No Photos

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.20	Rating **	M	Issue No.	2
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263182 °	37.263183 °
				-120.755650 °	-120.755637 °
DWR ID	DWR_NA0010_08_s _ 2012_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.21	Rating **	M	Issue No.	30
LM End	1.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263188 °	37.263188 °
				-120.755399 °	-120.755399 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39509 DS_ID:19833 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris blocking landward headwall--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 11.6 feet below crown. Flap gate on the waterward end. Concrete headwalls. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.21). FS Date: 04/16/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.38	Rating **	M	Issue No.	31
LM End	1.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.263194 °	37.263194 °
				-120.752299 °	-120.752299 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39510 DS_ID:19834 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 11.5 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.38). FS Date: 04/16/2014					

LM Start	1.38	Rating **	M	Issue No.	8
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263175 °	37.263175 °
				-120.752307 °	-120.752307 °
DWR ID	DWR_NA0010_08_s_2013_8				

Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_NA0010_126_8_20150309_00004.jpg



Looking west at rodent holes on landward slope.

LM Start	1.61	Rating **	M	Issue No.	1
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261842 °	37.261842 °
				-120.748510 °	-120.748510 °
DWR ID	DWR NA0010 08 s 2012 1				

Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/19/2015 05/19/2015	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	32
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.258220 °	37.258220 °
				-120.742868 °	-120.742868 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39511 DS_ID:19835 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional landward inlet is buried in sediment. Need to contact owner to determine status. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 12.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.05). FS Date: 04/16/2014					

LM Start	2.07	Rating **	M	Issue No.	7
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258063 °	37.257688 °
				-120.742460 °	-120.741573 °
DWR ID	DWR NA0010 08 s 2012 7				

Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes were noted on landside slope near drainage pipe. Also noted rodent holes near gate.					

Photo 1 of 4 : SP_2015_NA0010_126_7_20150528_00034.jpg



Looking at several rodent holes near fence line on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/19/2015 05/19/2015	Richard Willoughby

LM Start	2.07	Rating **	M	Issue No.	7 (cont)
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258063 °	37.257688 °
				-120.742460 °	-120.741573 °
DWR ID	DWR_NA0010_08_s_2012_7				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes were noted on landside slope near drainage pipe. Also noted rodent holes near gate.					

Photo 2 of 4 : SP_2015_NA0010_126_7_20150309_00001.jpg



Looking at typical rodent hole along the section.

LM Start	2.07	Rating **	M	Issue No.	7 (cont)
LM End	2.13	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP_2015_NA0010_126_7_20150309_00002.jpg



Looking south at several rodent holes on landward slope.

LM Start	2.07	Rating **	M	Issue No.	7 (cont)
LM End	2.13	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2015_NA0010_126_7_20150309_00003.jpg



Looking at typical rodent hole on landside slope near headwall.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/19/2015 05/19/2015	Richard Willoughby

LM Start	2.12	Rating **	M	Issue No.	33
LM End	2.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.257800 °	37.257800 °
				-120.741604 °	-120.741604 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39512 DS_ID:19836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe visible from landward side.					

No Photos

LM Start	3.06	Rating **	U	Issue No.	34
LM End	3.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.250864 °	37.250864 °
				-120.728151 °	-120.728151 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42853 DS_ID:19838 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through levee, 13.4 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.06). FS Date: 04/16/2014					

No Photos

LM Start	3.40	Rating **	M	Issue No.	3
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.253052 °	37.253600 °
				-120.722647 °	-120.720198 °
DWR ID	DWR_NA0010_08_s_2012_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes on landward slope within this reach.					

Photo 1 of 1 : SP_2015_NA0010_126_3_20150528_00035.jpg



Looking at typical view of rodent holes on landward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/19/2015 05/19/2015	Richard Willoughby

LM Start	3.43	Rating **	M	Issue No.	35
LM End	3.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.253151 °	37.253151 °
				-120.722182 °	-120.722182 °
DWR ID					

No Photos

Action/Comments

Inspector Comments: FS_ID:39513
 DS_ID:19840
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No access available on landward side. Need to confirm status of crossing.
 FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through levee, 13.0 feet below crown. Flap gate on the waterward end. Concrete headwall on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.43).
 FS Date: 04/16/2014

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 09 Owens Creek Bypass			Right	0.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/19/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	33
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.220075 °
					° -120.698360 °
DWR ID	DWR_NA0010_09_s _ 2015_33				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

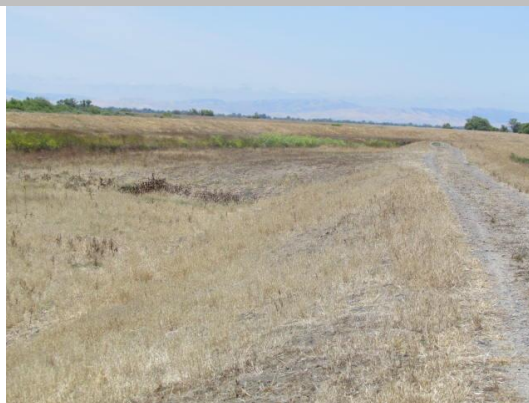
Photo 1 of 1 : SP_2015_NA0010_127_33_20150528_00010.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	A	Issue No.	34
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.220075 °
					° -120.698360 °
DWR ID	DWR_NA0010_09_s _ 2015_34				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_NA0010_127_34_20150528_00011.jpg



Looking at typical view of waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.47	Rating **	M	Issue No.	35
LM End	0.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.220416 °	37.220416 °
				-120.705248 °	-120.705248 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39888 DS_ID:19841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwalls on landward and waterward under water. Need photo to confirm condition of concrete headwalls, pipe, and gate on both toes. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 18.7-feet below the crown. Slide gate inside 36-inch C.M. pipe riser on the waterward slope. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.47). FS Date: 04/22/2014					

No Photos

LM Start	0.70	Rating **	M	Issue No.	36
LM End	0.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219874 °	37.219874 °
				-120.701438 °	-120.701438 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39515 DS_ID:19842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Animal burrows in area on LS slope. Minor sediment buildup in pipe visible on landward side--recommend clearing. FIELD_STRUCT_DESC: 24-inch C.M. stormdrain pipe through the levee, 8.7-feet below the crown. Flap gate on the waterward end. Concrete headwall on the landward end. Concrete "U" headwall on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.70). FS Date: 04/22/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 10 Owens Creek Bypass			Left	0.80
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/19/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

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If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	49
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.217918 °	37.219343 °
				-120.711430 °	-120.698195 °
DWR ID	DWR_NA0010_10_s_2015_49				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_NA0010_128_49_20150528_00009.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	M	Issue No.	50
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.217918 °	37.219343 °
				-120.711430 °	-120.698195 °
DWR ID	DWR_NA0010_10_s_2015_50				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_NA0010_128_50_20150528_00008.jpg



Looking at typical view of waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.31	Rating **	M	Issue No.	51
LM End	0.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.219116 °	37.219116 °
				-120.706652 °	-120.706652 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39516 DS_ID:19845 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status. FIELD_STRUCT_DESC: 36-inch CM stormdrain pipe through levee, 19.6-feet below crown. Slide gate in 48-inch CM pipe riser on the waterward slope. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.31). FS Date: 04/22/2014					

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 11 Mariposa Bypass			Right	3.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/21/2015 - 05/21/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

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- c) corrections to deficiencies noted in this report

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If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	136
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202777 °	37.202333 °
				-120.755150 °	-120.695280 °
DWR ID	DWR_NA0010_11_s_2015_136				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_129_136_20150528_00037.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	M	Issue No.	137
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202778 °	37.202333 °
				-120.755150 °	-120.695280 °
DWR ID	DWR_NA0010_11_s_2015_137				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_129_137_20150528_00038.jpg



Looking at typical view of waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.42	Rating **	M	Issue No.	138
LM End	0.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202754 °	37.202754 °
				-120.747689 °	-120.747689 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39517					
DS_ID:19846					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 11.0 feet below the crown. Slide gate inside CMP riser located on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.42).					
FS Date: 04/18/2014					

No Photos

LM Start	0.65	Rating **	M	Issue No.	139
LM End	0.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202751 °	37.202751 °
				-120.743474 °	-120.743474 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39518 DS_ID:19847 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.65). FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/21/2015 05/21/2015	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	140
LM End	0.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202745 °	37.202745 °
				-120.739935 °	-120.739935 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39519					
DS_ID:19848					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.					
FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 10.3 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.84).					
FS Date: 04/18/2014					

No Photos

LM Start	1.13	Rating **	M	Issue No.	141
LM End	1.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202748 °	37.202748 °
				-120.734796 °	-120.734796 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39520 DS_ID:19849 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.13). FS Date: 04/18/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/21/2015 05/21/2015	Richard Willoughby

LM Start	1.49	Rating **	M	Issue No.	142
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202753 °	37.202753 °
				-120.728133 °	-120.728133 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39521 DS_ID:19850 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 48-inch C.M. pipe through the levee, 16.3 feet below the crown. Slide gate in riser pipe on the waterward slope. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.50). FS Date: 04/18/2014					

No Photos

LM Start	1.77	Rating **	M	Issue No.	1
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202743 °	37.202743 °
				-120.723187 °	-120.723187 °
DWR ID	DWR_NA0010_11_s_2012_1				
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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/21/2015 05/21/2015	Richard Willoughby

LM Start	1.98	Rating **	M	Issue No.	143
LM End	1.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202740 °	37.202740 °
				-120.719247 °	-120.719247 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39522 DS_ID:19851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 12.8 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.99). FS Date: 04/18/2014					

No Photos

LM Start	3.04	Rating **	M	Issue No.	144
LM End	3.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.202494 °	37.202494 °
				-120.700153 °	-120.700153 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39523 DS_ID:19852 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch C.M. pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.04). FS Date: 04/18/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 12 Mariposa Bypass			Left	3.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/22/2015 - 05/22/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	149
LM End	3.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200935 °	°
				-120.755205 °	°
DWR ID	DWR_NA0010_12_s_2015_149				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_130_149_20150528_00077.jpg



Looking at typical view of growth on waterward slope.

LM Start	0.00	Rating **	M	Issue No.	148
LM End	3.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200934 °	37.200959 °
				-120.755205 °	-120.694810 °
DWR ID	DWR_NA0010_12_s_2015_148				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_130_148_20150528_00078.jpg



Looking at typical view of growth on landward slope.

*** 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.40	Rating **	M	Issue No.	150
LM End	0.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200934 °	37.200934 °
				-120.747996 °	-120.747996 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36704 DS_ID:19855 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.5 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.39). FS Date: 04/18/2014					

No Photos

LM Start	1.06	Rating **	M	Issue No.	151
LM End	1.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200922 °	37.200922 °
				-120.736012 °	-120.736012 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39889 DS_ID:19856 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.5 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.06). FS Date: 04/18/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/22/2015 05/22/2015	Richard Willoughby

LM Start	1.27	Rating **	M	Issue No.	152
LM End	1.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200919 °	37.200919 °
				-120.732234 °	-120.732234 °

No Photos

Action/Comments					
Inspector Comments: FS_ID:36705 DS_ID:19857 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landward side not accessible due to dense vegetation and fence. Concrete headwall and flap gate under water therefore not able to evaluate condition. Will need to coordinate with owner to evaluate condition of crossing on waterward side and obtain access to evaluate landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 17.4 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.27). FS Date: 04/18/2014					

LM Start	1.53	Rating **	M	Issue No.	153
LM End	1.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200913 °	37.200913 °
				-120.727496 °	-120.727496 °

No Photos

Action/Comments					
Inspector Comments: FS_ID:34126 DS_ID:19858 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited access on landward side due to fence and dense vegetation. Recommend obtaining access to landward side and clear vegetation on landward side. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.7 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.53). FS Date: 04/18/2014					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/22/2015 05/22/2015	Richard Willoughby

LM Start	2.16	Rating **	M	Issue No.	154
LM End	2.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200908 °	37.200908 °
				-120.716118 °	-120.716118 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39506 DS_ID:19859 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 14.4 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.16). FS Date: 04/18/2014					

No Photos

LM Start	2.33	Rating **	M	Issue No.	1
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200907 °	37.200907 °
				-120.712978 °	-120.712978 °
DWR ID	DWR_NA0010_12_s_2012_1				
Action/Comments					
Exterminate rodents and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/22/2015 05/22/2015	Richard Willoughby

LM Start	2.70	Rating **	M	Issue No.	155
LM End	2.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200906 °	37.200906 °
				-120.706316 °	-120.706316 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39890					
DS_ID:19860					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend clearing sediment deposit inside pipe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 10.7 feet below crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.70).					
FS Date: 04/18/2014					

No Photos

LM Start	2.99	Rating **	U	Issue No.	156
LM End	2.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200931 °	37.200931 °
				-120.700908 °	-120.700908 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42854 DS_ID:19861 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Soil missing behind concrete headwall on waterward side. Unable to determine if missing soil is due to sink holes, rodent activity, or due to erosion. Headwall appears to be leaning slightly forward. Reason why this crossing was labelled urgent was due to the uncertainty of damage to concrete headwall and reason for soil missing behind concrete. Need to coordinate with LMA to determine more information about repair at this location. FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 2 feet below levee crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.00). FS Date: 04/18/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/22/2015 05/22/2015	Richard Willoughby

LM Start	3.36	Rating **	M	Issue No.	157
LM End	3.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.200954 °	37.200954 °
				-120.694795 °	-120.694795 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39893 DS_ID:19906 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to confirm if crossing recorded as Unit 6 9.735 is the same as this one. No way to measure diameter crossing has slide gate on landward side. FIELD_STRUCT_DESC: [Eastside Canal Siphon] 48-inch CM pipe through levee, 17.5 feet below the crown and under the channel. Slide gate on landward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.36). FS Date: 04/18/2014					

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 13 Ash Slough			Right	1.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/19/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	65
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.046297 °
					° -120.428123 °
DWR ID	DWR_NA0010_13_s_2015_65				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_131_65_20150528_00026.jpg



Looking at typical view of growth on landward slope.

LM Start	0.00	Rating **	M	Issue No.	66
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.046297 °
					° -120.428123 °
DWR ID	DWR_NA0010_13_s_2015_66				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_131_66_20150528_00027.jpg



Looking at typical view of growth on waterward slope.

LM Start	0.15	Rating **	M	Issue No.	3
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.035697 °	37.035697 °
				-120.441197 °	-120.441197 °
DWR ID	DWR_NA0010_13_s_2012_3				
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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.31	Rating **	A/W	Issue No.	2
LM End	1.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.037893 °	37.046269 °
				-120.440373 °	-120.428350 °
DWR ID	DWR_NA0010_13_f_2012_2				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

No Photos

LM Start	0.91	Rating **	M	Issue No.	5
LM End	0.91	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.044855 °	37.044855 °
				-120.434106 °	-120.434106 °
DWR ID	DWR_NA0010_13_s_2014_5				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on waterward slope.					

LM Start	0.91	Rating **	M	Issue No.	5 (cont)
LM End	0.91	Issue Type +	En	Location *	WS

Photo 1 of 3 : SP_2015_NA0010_131_5_20150309_00001.jpg



Looking east at unauthorized ramp on waterward slope. (Fall 2014)

Photo 2 of 3 : SP_2015_NA0010_131_5_20150309_00002.jpg



Looking west at unauthorized ramp on waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	5 (cont)	
LM End	0.91	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.044855 °		37.044855 °
				-120.434106 °		-120.434106 °
DWR ID	DWR_NA0010_13_s_2014_5					
Action/Comments						
Ramp						
Inspector Comments: Unauthorized ramp on waterward slope.						

Photo 3 of 3 : SP_2015_NA0010_131_5_20150309_00003.jpg



Looking east at unauthorized ramp on waterward slope.

LM Start	1.15	Rating **	M	Issue No.	67
LM End	1.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.045872 °	37.045872 °
				-120.430070 °	-120.430070 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39877 DS_ID:19727 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Pipe filled with soil on WS at outlet. Actuator missing from slide gate on WS shoulder. FIELD_STRUCT_DESC: 1 of 2: 36-inch C.M. stormdrain pipe through the levee, 12.3 feet below the crown. Slide gate inside 48-inch C.M. pipe riser in waterward slope. Concrete distribution box (6x12-foot) on landward side. (USACE-1967). 7'X14' concrete outlet structure on WS toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.14). FS Date: 03/27/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.15	Rating **	M	Issue No.	68
LM End	1.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.045870 °	37.045870 °
				-120.430080 °	-120.430080 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39524 DS_ID:19908 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No lid on riser at WS shoulder could be safety issue. FIELD_STRUCT_DESC: 2 of 2: 36-inch C.M. stormdrain pipe through the levee, 12.3 feet below the crown. Slide gate inside 48-inch C.M. pipe riser in waterward slope. Concrete distribution box (6x12-foot) on landward side. 7'X14' concrete distribution box on WS toe (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.14). FS Date: 03/27/2014					

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 14 Ash Slough			Left	1.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/19/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

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The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	77
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032377 °	37.045398 °
				-120.441273 °	-120.427757 °
DWR ID	DWR_NA0010_14_s_2015_77				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_132_77_20150528_00030.jpg



Looking at typical view of growth on landward slope.

LM Start	0.00	Rating **	M	Issue No.	78
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032377 °	37.045398 °
				-120.441273 °	-120.427757 °
DWR ID	DWR_NA0010_14_s_2015_78				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_132_78_20150528_00031.jpg



Looking at typical view of growth on waterward slope.

LM Start	0.00	Rating **	A/W	Issue No.	2
LM End	1.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.032379 °	37.045404 °
				-120.441265 °	-120.427749 °
DWR ID	DWR_NA0010_14_f_2012_2				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.14	Rating **	M	Issue No.	80
LM End	1.14	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.044906 °	37.044906 °
				-120.429695 °	-120.429695 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39526 DS_ID:19909 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Lid should be installed on CMP riser on WS slope, could be a safety hazard. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch CM pipe through levee, 10-feet below crown. Slide gate inside 48-inch CM pipe riser in waterward slope. Concrete distribution box (6'X7') at toe of waterward slope. Slots for wooden flashboard on waterward side of box. 7'X9' Concrete distribution box on the landward side 20-feet from toe. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.15). FS Date: 03/27/2014					

LM Start	1.24	Rating **	M	Issue No.	79
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.045343 °	37.045343 °
				-120.428007 °	-120.428007 °
DWR ID	DWR NA0010 14 s 2015 79				

Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes on landward at this location.					

Photo 1 of 1 : SP_2015_NA0010_132_79_20150528_00032.jpg



Looking at typical view of rodent holes on landward slope.

* 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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 15 Berenda Slough			Right	2.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/20/2015 - 05/20/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.01	Rating **	A/W	Issue No.	11
LM End	1.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.996547 °	36.996587 °
				-120.410220 °	-120.374503 °
DWR ID	DWR_NA0010_15_s_2012_11				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 2 : SP_2015_NA0010_133_11_20150309_00001.jpg



Looking east at typical view of levee in compliance with standards.

LM Start	0.01	Rating **	A/W	Issue No.	11 (cont)
LM End	1.99	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2015_NA0010_133_11_20150309_00002.jpg



Looking east at vegetation on levee crown.

LM Start	0.03	Rating **	M	Issue No.	75
LM End	2.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996551 °	36.996560 °
				-120.409814 °	-120.383500 °
DWR ID	DWR_NA0010_15_s_2015_75				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					
Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_133_75_20150528_00009.jpg



Looking at typical view of growth on waterward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	74
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996552 °	36.996560 °
				-120.409813 °	-120.383500 °
DWR ID	DWR_NA0010_15_s_2015_74				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_133_74_20150528_00010.jpg



Looking at typical view of growth on landward slope.

LM Start	1.00	Rating **	M	Issue No.	76
LM End	1.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996566 °	36.996566 °
				-120.392280 °	-120.392280 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39527 DS_ID:19912 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 8.5 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01). FS Date: 03/27/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	77
LM End	1.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996582 °	36.996582 °
				-120.382757 °	-120.382757 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:32840 DS_ID:19913 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Excessive vegetation at inlet on LS toe. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. stormdrain through the levee, 8.9 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.53). FS Date: 03/27/2014					

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 16 Berenda Slough			Left	1.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/20/2015 - 05/20/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	91
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995349 °	36.995456 °
				-120.408896 °	-120.383420 °
DWR ID	DWR_NA0010_16_s _ 2015_91				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_134_91_20150528_00022.jpg



Looking at typical view of growth on waterward slope.

LM Start	0.00	Rating **	M	Issue No.	90
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995349 °	36.995457 °
				-120.408896 °	-120.383420 °
DWR ID	DWR_NA0010_16_s _ 2015_90				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_134_90_20150528_00023.jpg



Looking at typical view of growth on landward slope.

LM Start	0.01	Rating **	A/W	Issue No.	14
LM End	1.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.995388 °	36.995507 °
				-120.408738 °	-120.373592 °
DWR ID	DWR_NA0010_16_s _ 2012_14				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control vegetation on levee crown.					

Photo 1 of 1 : SP_2015_NA0010_134_14_20150309_00003.jpg



Looking west at the properly maintained levee crown.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	92
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995439 °	36.995439 °
				-120.392146 °	-120.392146 °
DWR ID	DWR_NA0010_16_s_2015_92				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Notice several rodent holes within this section.					

Photo 1 of 1 : SP_2015_NA0010_134_92_20150528_00024.jpg



Looking at several rodent holes on landward slope.

LM Start	1.46	Rating **	M	Issue No.	93
LM End	1.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995473 °	36.995473 °
				-120.382872 °	-120.382872 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39529 DS_ID:19915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation buildup at landside toe-- recommend clearing. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through levee, 8.5 feet below crown. Concrete "U" headwall on waterward end. Two concrete cutoff walls. Flap gate on waterward side. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.46). FS Date: 04/01/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.68	Rating **	M	Issue No.	4
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995503 °	36.995503 °
				-120.378579 °	-120.378579 °
DWR ID	DWR_NA0010_16_s _ 2014_4				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.76	Rating **	A/W	Issue No.	3
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.995488 °	36.995488 °
				-120.377152 °	-120.377152 °
DWR ID	DWR_NA0010_16_s _ 2012_3				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	1.77	Rating **	M	Issue No.	2
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995487 °	36.995487 °
				-120.377054 °	-120.377054 °
DWR ID	DWR_NA0010_16_f _ 2014_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Large rodent holes on landward slope.					

Photo 1 of 2 : SP_2015_NA0010_134_2_20150309_00001.jpg



Looking at large rodent holes on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.77	Rating **	M	Issue No.	2 (cont)	
LM End	1.77	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			36.995487 °		36.995487 °
				-120.377054 °		-120.377054 °
DWR ID	DWR_NA0010_16_f_2014_2					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comments: Large rodent holes on landward slope.						

Photo 2 of 2 : SP_2015_NA0010_134_2_20150309_00002.jpg



Looking southwest at several rodent holes on landward slope.

* 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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 17 Chowchilla Canal Bypass			Right	16.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/20/2015 - 05/20/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	11
LM End	16.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_NA0010_17_f_2014_11				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_135_11_20150528_00112.jpg



Looking at typical view of growth on landward slope.

LM Start	0.00	Rating **	M	Issue No.	12
LM End	16.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_NA0010_17_f_2014_12				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_135_12_20150528_00113.jpg



Looking at typical view of growth on waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/20/2015 05/20/2015	Richard Willoughby

LM Start	2.58	Rating **	M	Issue No.	13
LM End	2.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.952254 °	36.952254 °
				-120.348804 °	-120.348804 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39531 DS_ID:19916 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 48x60-inch R.C.B.C. through the levee, 14.6 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.58). FS Date: 04/01/2014					

LM Start	5.75	Rating **	M	Issue No.	8
LM End	5.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.908605 °	36.906507 °
				-120.331112 °	-120.330353 °
DWR ID	DWR_NA0010_17_s_2012_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted on landward slope.					

Photo 1 of 2 : SP_2015_NA0010_135_8_20150528_00114.jpg



Looking at several rodent holes on landward slope. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/20/2015 05/20/2015	Richard Willoughby

LM Start	5.75	Rating **	M	Issue No.	8 (cont)	
LM End	5.90	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			36.908605 °		36.906507 °
				-120.331112 °		-120.330353 °
DWR ID	DWR_NA0010_17_s_2012_8					
Action/Comments						
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted on landward slope.						

Photo 2 of 2 : SP_2015_NA0010_135_8_20150309_00001.jpg



Looking at several rodent holes on landside slope. (Fall 2014)

LM Start	6.51	Rating **	M	Issue No.	4
LM End	6.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.898124 °	36.896943 °
				-120.326714 °	-120.326133 °
DWR ID	DWR_NA0010_17_s_2012_4				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Notice several rodent holes within this reach.					

Photo 1 of 1 : SP_2015_NA0010_135_4_20150528_00115.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	7.27	Rating **	M	Issue No.	5
LM End	7.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.887869 °	36.886341 °
				-120.321697 °	-120.320940 °
DWR ID	DWR_NA0010_17_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Notice several rodent holes within this reach.					

Photo 1 of 1 : SP_2015_NA0010_135_5_20150528_00116.jpg



Looking at typical view of rodent holes on landward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/20/2015 05/20/2015	Richard Willoughby

LM Start	9.88	Rating **	M	Issue No.	14
LM End	9.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.850703 °	36.850703 °
				-120.314154 °	-120.314154 °

No Photos

Action/Comments					
Inspector Comments: FS_ID:39532 DS_ID:19917 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 48x60-inch R.C.B.C. through the levee, 15-feet below the crown. Concrete "U" headwall on the waterward end. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.89). FS Date: 04/01/2014					

LM Start	12.34	Rating **	M	Issue No.	3
LM End	12.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.820558 °	36.820155 °
				-120.300616 °	-120.300784 °

Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes with this reach.					

Photo 1 of 1 : SP_2015_NA0010_135_3_20150528_00117.jpg



Looking at several rodent holes on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/20/2015 05/20/2015	Richard Willoughby

LM Start	13.29	Rating **	M	Issue No.	15
LM End	13.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807509 °	36.807509 °
				-120.306231 °	-120.306231 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39533 DS_ID:19918 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some vegetation buildup at inlet--recommend clearing. FIELD_STRUCT_DESC: 48x60-inch R.C.B.C. through the levee, 15.3 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.30). FS Date: 04/01/2014					

No Photos

LM Start	14.39	Rating **	M	Issue No.	16
LM End	14.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.793318 °	36.793318 °
				-120.302138 °	-120.302138 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41406 DS_ID:24850 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Gas line through the levee at an unknown depth. Gas line markers on both shoulders. FS Date: 04/01/2014					

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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/20/2015 05/20/2015	Richard Willoughby

LM Start	14.40	Rating **	U	Issue No.	17
LM End	14.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.793195 °	36.793195 °
				-120.302028 °	-120.302028 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39534 DS_ID:19562 EP_NO: 18568 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to confirm and obtain status of crossing. Markers misleading--unable to confirm if markers correspond to this crossing. Need markers at levee. FIELD_STRUCT_DESC: 30-inch steel gas pipeline through the levee approximately 60-feet below the crown. Location markers on waterside and landside. Provide field description of crossing. (Permit No. 18568-2010) FS Date: 04/01/2014					

No Photos

LM Start	14.69	Rating **	M	Issue No.	18
LM End	14.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.789066 °	36.789066 °
				-120.300644 °	-120.300644 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39535 DS_ID:19920 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy vegetation buildup at LS toe--recommend clearing. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 14.0 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.69). FS Date: 04/01/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 18 Chowchilla Canal Bypass			Left	15.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/20/2015 - 05/20/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	365
LM End	15.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974113 °	36.773934 °
				-120.363229 °	-120.285420 °
DWR ID	DWR_NA0010_18_s _ 2015_365				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on landward slope.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	366
LM End	15.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974113 °	36.773934 °
				-120.363228 °	-120.285420 °
DWR ID	DWR_NA0010_18_s _ 2015_366				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control growth on waterward slope.					

No Photos

LM Start	1.44	Rating **	M	Issue No.	7
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.956163 °	36.956163 °
				-120.353672 °	-120.353672 °
DWR ID	DWR_NA0010_18_s _ 2014_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several noted on landward slope and on levee crown.					

Photo 1 of 1 : SP_2015_NA0010_137_7_20150528_00044.jpg



Looking at typical view of rodent holes within this section on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.65	Rating **	M	Issue No.	367
LM End	1.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.953398 °	36.953398 °
				-120.351982 °	-120.351982 °
DWR ID	DWR_NA0010_18_s _ 2015_367				
Action/Comments					
Ramp Inspector Comments: Unauthorized ramp on landward and waterward slope.					

Photo 1 of 3 : SP_2015_NA0010_137_367_20150528_00045.jpg



Looking northwest at unauthorized ramp on landward slope.

Photo 2 of 3 : SP_2015_NA0010_137_367_20150528_00046.jpg



Looking northeast on at unauthorized ramp on waterward slope.

Photo 3 of 3 : SP_2015_NA0010_137_367_20150528_00047.jpg



Looking northeast at close-up view of ramp on landward slope.

LM Start	1.65	Rating **	M	Issue No.	367 (cont)
LM End	1.65	Issue Type +	En	Location *	LS

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.69	Rating **	M	Issue No.	368
LM End	1.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.952821 °	36.952821 °
				-120.351597 °	-120.351597 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39503 DS_ID:19925 EP_NO: 6603 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Appears abandoned--good					

No Photos

LM Start	2.25	Rating **	U	Issue No.	369
LM End	2.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.945577 °	36.945577 °
				-120.347140 °	-120.347140 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43089 DS_ID:19926 EP_NO: 6603 Repair Type: Urgent Crossing Status: Found UCIP Comments: Subsidence present along pipe alignment on landward side. Modified crossing-- worked done on landward side. Need to contact owner to determine permit authorizing work. Dense vegetation on landward side--tall grass. Pipe wall cut and new pipe sleeved on landward side. FIELD_STRUCT_DESC: 15-inch steel pipe through the levee, 3.7 feet below the crown. Electrical conduit through the levee, 3.7 feet below the crown. Siphon breaker on landward shoulder. 36-inch concrete standpipe on landward berm. Inlet facility on waterward bank consisting of pump, 42-inch concrete standpipe, and 20-inch concrete channel intake pipe with cutoff wall. (Permit No. 6603-1970) FS Date: 04/10/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/20/2015 05/20/2015	Richard Willoughby

LM Start	5.89	Rating **	M	Issue No.	1
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.895175 °	36.895175 °
				-120.327632 °	-120.327632 °
DWR ID	DWR_NA0010_18_s_2015_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several large rodent holes noted on landward slope and berm within this section.					

Photo 1 of 1 : SP_2015_NA0010_137_1_20150528_00048.jpg



Looking at several rodent holes on landward slope.

LM Start	6.52	Rating **	M	Issue No.	9
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.886767 °	36.886767 °
				-120.323482 °	-120.323482 °
DWR ID	DWR_NA0010_18_f_2014_9				
Action/Comments					
Exterminate rodents and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/20/2015 05/20/2015	Richard Willoughby

LM Start	7.52	Rating **	M	Issue No.	370
LM End	7.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.872431 °	36.872431 °
				-120.319415 °	-120.319415 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36843					
DS_ID:19930					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: CMP crossing is distorted on waterward side. Debris scattered on landward side. Sediment deposit inside crossing visible from landward side. Recommend removing debris from landward side.					
FIELD_STRUCT_DESC: 42-inch concrete pipe through the levee, 19.0 feet below the crown. Gate structure on waterward shoulder. Pipe section on waterward side is corrugated metal and pipe section on landward side is reinforced concrete.					
FS Date: 04/10/2014					

No Photos

LM Start	8.05	Rating **	C	Issue No.	5
LM End	8.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.865074 °	36.865074 °
				-120.317996 °	-120.317996 °
DWR ID	DWR_NA0010_18_s_2014_5				
Action/Comments					
Garbage					
Inspector Comments: Trash on waterward slope.					

No Photos

LM Start	13.57	Rating **	A/W	Issue No.	3
LM End	15.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.792861 °	36.776058 °
				-120.304907 °	-120.287111 °
DWR ID	DWR_NA0010_18_f_2012_3				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/20/2015 05/20/2015	Richard Willoughby

LM Start	13.57	Rating **	M	Issue No.	371
LM End	13.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792684 °	36.792684 °
				-120.304542 °	-120.304542 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39505 DS_ID:19932 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple markers visible along waterward and landward sides unable to confirm how many crossings go through levee. Need to contact owner to obtain additional details on crossings. FIELD_STRUCT_DESC: 6-inch gas line through the levee. Extends underneath the channel. FS Date: 04/08/2014					

* 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
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 22A East Side Canal			Left	5.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/19/2015 - 05/19/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.10	Rating **	U	Issue No.	262
LM End	0.10	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.207039 °	37.207039 °
				-120.696255 °	-120.696255 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39874 DS_ID:19933 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No actuator wheel on slide gate at WS shoulder. FIELD_STRUCT_DESC: 24-inch CM stormdrain pipe through the levee, 14.8 feet below the crown. Slide gate inside 36-inch CM pipe riser in the waterward slope. Concrete "U" headwalls on both ends. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.10). FS Date: 04/15/2014					

LM Start	0.53	Rating **	M	Issue No.	21
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.213006 °	37.213006 °
				-120.698019 °	-120.698019 °
DWR ID	DWR_NA0010_22A_f_2014_21				

Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense brush on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_138_21_20150309_00011.jpg



Looking south at dense brushes on landward slope.

LM Start	0.69	Rating **	A/W	Issue No.	8
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.215360 °	37.218128 °
				-120.698078 °	-120.697457 °
DWR ID	DWR NA0010 22A s 2012 8				

No Photos

Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

* 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 : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.87	Rating **	M	Issue No.	23
LM End	0.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.217802 °	37.217802 °
				-120.697416 °	-120.697416 °
DWR ID	DWR_NA0010_22A_f_2014_23				
Action/Comments					
Sign Inspector Comments: Pulley on waterward shouder without board permit.					

Photo 1 of 1 : SP_2015_NA0010_138_23_20150309_00015.jpg



Looking south at pulley on waterward shoulder.

LM Start	0.90	Rating **	M	Issue No.	260
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.218218 °	37.229712 °
				-120.697507 °	-120.701757 °
DWR ID	DWR_NA0010_22A_s_2015_260				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.95	Rating **	M	Issue No.	261
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.218987 °	37.229712 °
				-120.697753 °	-120.701757 °
DWR ID	DWR_NA0010_22A_s_2015_261				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	0.96	Rating **	A/W	Issue No.	22
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.219137 °	37.219137 °
				-120.697857 °	-120.697857 °
DWR ID	DWR_NA0010_22A_f_2014_22				
Action/Comments					
Repair slope instability.					
Inspector Comments: Irrigation district excavated waterward slope.					

Photo 1 of 3 : SP_2015_NA0010_138_22_20150309_00012.jpg



Looking south at excavated waterward slope.

LM Start	0.96	Rating **	A/W	Issue No.	22 (cont)
LM End	0.96	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2015_NA0010_138_22_20150309_00013.jpg



Looking southeast at excavated waterward slope.

LM Start	0.96	Rating **	A/W	Issue No.	22 (cont)
LM End	0.96	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2015_NA0010_138_22_20150309_00014.jpg



Looking north at excavated waterward slope.

*** 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	1.57	Rating **	M	Issue No.	263
LM End	1.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.227588 °	37.227588 °
				-120.700945 °	-120.700945 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33733					
DS_ID:19936					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate rusted and does not function. Headwall					

No Photos

LM Start	2.72	Rating **	M	Issue No.	264
LM End	2.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.243501 °	37.243501 °
				-120.706773 °	-120.706773 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33732					
DS_ID:19937					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate does not function and should be repaired.					
Headwall at LS toe not found.					
FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee, 7.5-feet below the crown. Slide gate inside 36-inch CM pipe riser in the waterward slope. Concrete "U" headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.72).					
FS Date: 04/15/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	2.86	Rating **	M	Issue No.	15
LM End	3.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.245431 °	37.247343 °
				-120.707990 °	-120.710362 °
DWR ID	DWR_NA0010_22A_s_2014_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes on landward slope and toe.					

Photo 1 of 1 : SP_2015_NA0010_138_15_20150528_00049.jpg



Looking at several rodent holes on landward slope.

LM Start	3.14	Rating **	A/W	Issue No.	2
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.248208 °	37.248208 °
				-120.711500 °	-120.711500 °
DWR ID	DWR_NA0010_22A_s_2012_2				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.79	Rating **	M	Issue No.	11
LM End	3.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.254923 °	37.254923 °
				-120.719769 °	-120.719769 °
DWR ID	DWR_NA0010_22A_s_2014_11				
Action/Comments					
Exterminate rodents and 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	3.80	Rating **	M	Issue No.	259
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255067 °	37.255067 °
				-120.719910 °	-120.719910 °
DWR ID	DWR_NA0010_22A_s_2015_259				
Action/Comments					
Tree or limb					
Inspector Comments: Dead tree stump on waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_138_259_20150528_00050.jpg



Looking northeast at dead stump on waterward slope.

LM Start	4.69	Rating **	A	Issue No.	3
LM End	4.69	Issue Type +	En	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.264250 °	37.264250 °
				-120.731280 °	-120.731280 °
DWR ID	DWR_NA0010_22A_f_2014_3				
Action/Comments					
Inspector Comments: Old wooden dilapidated bridge in channel needs to be removed.					

Photo 1 of 5 : SP_2015_NA0010_138_3_20150309_00001.jpg



Looking east at bridge in canal. (Fall 2014)

LM Start	4.69	Rating **	A	Issue No.	3 (cont)
LM End	4.69	Issue Type +	En	Location *	WS

Photo 2 of 5 : SP_2015_NA0010_138_3_20150528_00051.jpg



Looking northeast at old site of dilapidated bridge. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	4.69	Rating **	A	Issue No.	3 (cont)
LM End	4.69	Issue Type +	En	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.264250 °	37.264250 °
				-120.731280 °	-120.731280 °
DWR ID	DWR_NA0010_22A_f_2014_3				
Action/Comments					
Inspector Comments: Old wooden dilapidated bridge in channel needs to be removed.					

LM Start	4.69	Rating **	A	Issue No.	3 (cont)
LM End	4.69	Issue Type +	En	Location *	WS

LM Start	4.69	Rating **	A	Issue No.	3 (cont)
LM End	4.69	Issue Type +	En	Location *	WS

Photo 3 of 5 : SP_2015_NA0010_138_3_20150309_00002.jpg



Looking east at old bridge in canal. (Fall 2014)

Photo 4 of 5 : SP_2015_NA0010_138_3_20150309_00003.jpg



Looking northeast at dilapidated bridge across canal.

Photo 5 of 5 : SP_2015_NA0010_138_3_20150309_00004.jpg



Looking east at dilapidated bridge across canal.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	4.79	Rating **	A/W	Issue No.	5
LM End	4.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.265180 °	37.265743 °
				-120.732745 °	-120.733602 °
DWR ID	DWR_NA0010_22A_s_2012_5				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Erosion sites repaired by LMA on waterward toe.					

Photo 1 of 2 : SP_2015_NA0010_138_5_20150528_00052.jpg



Looking at erosion sites repaired with rip-rap on waterward slope and toe. (Spring 2015)

LM Start	4.79	Rating **	A/W	Issue No.	5 (cont)
LM End	4.86	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_NA0010_138_5_20150309_00007.jpg



Looking north at waterside erosion from livestock. (Fall 2014)

LM Start	4.81	Rating **	A/W	Issue No.	10
LM End	4.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.265330 °	37.265705 °
				-120.732960 °	-120.733553 °
DWR ID	DWR_NA0010_22A_s_2012_10				
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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/19/2015 05/19/2015	Richard Willoughby

LM Start	5.14	Rating **	M	Issue No.	6
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.268492 °	37.269133 °
				-120.737493 °	-120.738208 °
DWR ID	DWR_NA0010_22A_s_2012_6				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Erosion caused by livestock on waterside toe.					

Photo 1 of 2 : SP_2015_NA0010_138_6_20150309_00008.jpg



Looking south at livestock erosion on waterward toe.

LM Start	5.14	Rating **	M	Issue No.	6 (cont)
LM End	5.20	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_NA0010_138_6_20150309_00009.jpg



Looking north at livestock erosion along waterside slope and toe.

LM Start	5.48	Rating **	M	Issue No.	265
LM End	5.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.272079 °	37.272079 °
				-120.741575 °	-120.741575 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39536					
DS_ID:19938					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Pipe silted in on LS toe.					

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**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 23 San Joaquin River			Right	10.24
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/20/2015 - 05/20/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	440
LM End	10.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774356 °	36.814748 °
				-120.283656 °	-120.168878 °
DWR ID	DWR_NA0010_23_s_2015_440				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	439
LM End	10.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774356 °	36.814749 °
				-120.283656 °	-120.168878 °
DWR ID	DWR_NA0010_23_s_2015_439				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.21	Rating **	M	Issue No.	441
LM End	0.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.772713 °	36.772713 °
				-120.280670 °	-120.280670 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39537					
DS_ID:19945					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Excessive vegetation at inlet--recommend clearing.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee					
13.0 feet below the crown. Concrete "U" headwall on the waterward					
end. Flap gate on the waterward end. Concrete headwall on the					
landward end. (USACE-1967). This entry matches the Drainage or					
Irrigation Structure referenced in O&M manual (HLM 0.21). Cleaned					
and rehabilitated under Permit No. 13085 (1981).					
FS Date: 04/03/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.21	Rating **	M	Issue No.	6
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772973 °	36.772973 °
				-120.264768 °	-120.264768 °
DWR ID	DWR_NA0010_23_s_2013_6				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.					

Photo 1 of 1 : SP_2015_NA0010_139_6_20150528_00114.jpg



Looking at elderberry on landward toe.

LM Start	1.53	Rating **	M	Issue No.	29	
LM End	1.53	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			36.772041 °	36.772041 °	
				-120.259549 °	-120.259549 °	
DWR ID	DWR_NA0010_23_f_2014_29					
Action/Comments						
Repair slope instability.						
Inspector Comments: Trench at landward toe. Trench is ten to twelve inches wide and twenty feet long.						

Photo 1 of 3 : SP_2015_NA0010_139_29_20150528_00115.jpg



Looking south at trench at landward toe. (Spring 2015)

LM Start	1.53	Rating **	M	Issue No.	29 (cont)
LM End	1.53	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_NA0010_139_29_20150309_00015.jpg



Looking south at trench at landward toe.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	29 (cont)
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.772041 °	36.772041 °
				-120.259549 °	-120.259549 °
DWR ID	DWR_NA0010_23_f_2014_29				
Action/Comments					
Repair slope instability.					
Inspector Comments: Trench at landward toe. Trench is ten to twelve inches wide and twenty feet long.					

Photo 3 of 3 : SP_2015_NA0010_139_29_20150309_00014.jpg



Looking north at trench at landward toe.

LM Start	1.63	Rating **	M	Issue No.	442
LM End	1.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771408 °	36.771408 °
				-120.257899 °	-120.257899 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39538 DS_ID:19948 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done properly. Discharge channel is blocked by sand and soil making drain ineffective. Soil buildup at inlet on LS toe. Need to contact owner. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 11.0 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. FS Date: 04/03/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.91	Rating **	M	Issue No.	1
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.772943 °	36.772943 °
				-120.253511 °	-120.253511 °
DWR ID	DWR_NA0010_23_s_2015_1				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.12	Rating **	M	Issue No.	16
LM End	2.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.775507 °	36.774423 °
				-120.251672 °	-120.246993 °
DWR ID	DWR_NA0010_23_s_2013_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Several damaged sites within this reach. Damage caused by vehicle traffic.					

Photo 1 of 1 : SP_2015_NA0010_139_16_20150309_00012.jpg



Looking south at waterward slope damaged by vehicle traffic

LM Start	2.85	Rating **	M	Issue No.	15
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771537 °	36.771537 °
				-120.240917 °	-120.240917 °
DWR ID	DWR_NA0010_23_s_2012_15				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry bush on landward toe.					

Photo 1 of 2 : SP_2015_NA0010_139_15_20150528_00116.jpg



Looking south at elderberry at landward toe. (Spring 2015)

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	2.85	Rating **	M	Issue No.	15 (cont)
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771537 °	36.771537 °
				-120.240917 °	-120.240917 °
DWR ID	DWR_NA0010_23_s_2012_15				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry bush on landward toe.					

Photo 2 of 2 : SP_2015_NA0010_139_15_20150309_00011.jpg



Looking south at elderberry on landside toe and berm. (Fall 2014)

LM Start	3.30	Rating **	M	Issue No.	3
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774403 °	36.774403 °
				-120.234705 °	-120.234705 °
DWR ID	DWR_NA0010_23_s_2012_3				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.					

Photo 1 of 3 : SP_2015_NA0010_139_3_20150528_00117.jpg



Looking south at elderberry on landward toe and berm. (Spring 2015)

LM Start	3.30	Rating **	M	Issue No.	3 (cont)
LM End	3.30	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_NA0010_139_3_20150309_00002.jpg



Looking south at elderberry on landside toe and berm. (Fall 2014)

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	3.30	Rating **	M	Issue No.	3 (cont)	
LM End	3.30	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			36.774403 °	36.774403 °	
				-120.234705 °	-120.234705 °	
DWR ID	DWR_NA0010_23_s_2012_3					
Action/Comments						
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.						

Photo 3 of 3 : SP_2015_NA0010_139_3_20150309_00001.jpg



Looking south at elderberry bush on landward toe. (Spring 2013)

LM Start	3.45	Rating **	M	Issue No.	9
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.776537 °	36.776537 °
				-120.234573 °	-120.234573 °
DWR ID	DWR_NA0010_23_s_2012_9				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe and berm.					

Photo 1 of 1 : SP_2015_NA0010_139_9_20150309_00004.jpg



Looking south at elderberry on landside toe and berm.

LM Start	4.13	Rating **	M	Issue No.	10
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784212 °	36.784212 °
				-120.228815 °	-120.228815 °
DWR ID	DWR_NA0010_23_s_2012_10				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.					

Photo 1 of 2 : SP_2015_NA0010_139_10_20150309_00005.jpg



Looking south at elderberry bush on landward toe. (Fall 2013)

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	4.13	Rating **	M	Issue No.	10 (cont)
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784212 °	36.784212 °
				-120.228815 °	-120.228815 °
DWR ID	DWR_NA0010_23_s_2012_10				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe.					

Photo 2 of 2 : SP_2015_NA0010_139_10_20150309_00006.jpg



Looking south at elderberry on landside toe and berm.

LM Start	4.45	Rating **	M	Issue No.	11
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784523 °	36.784523 °
				-120.223292 °	-120.223292 °
DWR ID	DWR_NA0010_23_s_2012_11				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Control growth of elderberry on landward toe and berm.					

Photo 1 of 2 : SP_2015_NA0010_139_11_20150528_00118.jpg



Looking south at elderberry on landward toe and berm. (Spring 2015)

LM Start	4.45	Rating **	M	Issue No.	11 (cont)
LM End	4.45	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_139_11_20150309_00007.jpg



Looking south at elderberry on landside toe and berm.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	4.72	Rating **	M	Issue No.	443
LM End	4.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.787713 °	36.787713 °
				-120.221399 °	-120.221399 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41827 DS_ID:19952 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Verify abandonment with gas company. Need to					

No Photos

LM Start	4.86	Rating **	M	Issue No.	444
LM End	4.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.789550 °	36.789550 °
				-120.220367 °	-120.220367 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39540					
DS_ID:19953					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy vegetation at inlet and outlet--recommend clearing.					
FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 10.7 feet below the crown. Concrete "U" headwall on both ends. 4.5'X7' Concrete riser with slide gate on the waterward slope. Inlet channel cobble revetted 15.0 feet long.					
FS Date: 04/03/2014					

No Photos

LM Start	5.68	Rating **	M	Issue No.	5
LM End	5.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.791981 °	36.791981 °
				-120.206274 °	-120.206274 °
DWR ID	DWR_NA0010_23_s_2012_5				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Several large rodent holes in this area.					

Photo 1 of 1 : SP_2015_NA0010_139_5_20150309_00003.jpg



Looking at several rodent holes on landside slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	5.69	Rating **	M	Issue No.	445
LM End	5.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.791936 °	36.791936 °
				-120.206226 °	-120.206226 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39542 DS_ID:19954 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch square R.C.B.C through the levee 9.0 feet below the crown. Concrete "U" headwalls on both ends. Flap gate on the waterward end. Outlet channel cobble revetted 5.0 feet long. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.71). FS Date: 04/03/2014					

LM Start	6.58	Rating **	M	Issue No.	14
LM End	6.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.782020 °	36.782020 °
				-120.199789 °	-120.199789 °
DWR ID	DWR NA0010 23 s 2015 14				

Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Two depressions greater than 3' on levee crown.					

Photo 1 of 2 : SP_2015_NA0010_139_14_20150528_00119.jpg



Looking at two depression on levee crown.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	6.58	Rating **	M	Issue No.	14 (cont)
LM End	6.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.782020 °	36.782020 °
				-120.199789 °	-120.199789 °
DWR ID	DWR_NA0010_23_s_2015_14				
Action/Comments					
Repair depressions or ruts in the crown or slope. Inspector Comments: Two depressions greater than 3' on levee crown.					

Photo 2 of 2 : SP_2015_NA0010_139_14_20150528_00120.jpg



Looking at one of two depression on levee crown.

LM Start	7.06	Rating **	M	Issue No.	446
LM End	7.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.778783 °	36.778783 °
				-120.192447 °	-120.192447 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:39543 DS_ID:19939 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee 8.5 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. FS Date: 04/03/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	8.33	Rating **	M	Issue No.	447
LM End	8.33	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.792476 °	36.792476 °
				-120.181255 °	-120.181255 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39544 DS_ID:19940 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup at inlet at LS toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 5.2 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwalls on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.33). FS Date: 04/03/2014					

LM Start	8.47	Rating **	A/W	Issue No.	17
LM End	8.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.793717 °	36.793717 °
				-120.178997 °	-120.178997 °

Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Waterward slope.					

Photo 1 of 1 : SP_2015_NA0010_139_17_20150309_00013.jpg



Looking southwest at waterward slope damaged due to vehicle traffic.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	8.53	Rating **	M	Issue No.	448
LM End	8.53	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.794108 °	36.794108 °
				-120.178171 °	-120.178171 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39545 DS_ID:19941 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee, 5.6 feet below the crown. Concrete "U" headwall on the waterward end. Flap gate on the waterward end. Concrete headwall on the landward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.54). FS Date: 04/03/2014					

LM Start	9.10	Rating **	A/W	Issue No.	18
LM End	9.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.801334 °	36.804311 °
				-120.174397 °	-120.169135 °

No Photos

Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation. Inspector Comments: Control vegetation on crown.					

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	9.76	Rating **	U	Issue No.	449
LM End	9.76	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807768 °	36.807768 °
				-120.168848 °	-120.168848 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33066					
DS_ID:19943					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate.					
FIELD_STRUCT_DESC: 1 of 2: 5.25 x 4 foot R.C.B.C. through the levee, 10.0 feet below the crown. Concrete "U" headwall on the waterward end. Gear pedestal slide gate with wall bracket on the waterward headwall. Concrete "U" headwall on the landward end. Outlet channel cobble revetted 10.0 feet long. Guard rails on both shoulders. Slide gates on waterward side. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.76). [Gravelly Ford Canal Irrigation Structure]					
FS Date: 04/03/2014					

No Photos

LM Start	9.76	Rating **	U	Issue No.	450
LM End	9.76	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.807777 °	36.807777 °
				-120.168843 °	-120.168843 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33063 DS_ID:19980 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. FIELD_STRUCT_DESC: 2 of 2: 48x63-inch R.C.B.C. through the levee, 10.0 feet below the crown. Concrete "U" headwall on the waterward end. Gear pedestal slide gate with wall bracket on the waterward headwall. Concrete "U" headwall on the landward end. Outlet channel cobble revetted 10.0 feet long. Guardrails on both shoulders. [Gravelly Ford Canal Irrigation Structure] FS Date: 04/03/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/20/2015 05/20/2015	Richard Willoughby

LM Start	9.83	Rating **	U	Issue No.	451
LM End	9.83	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.808749 °	36.808749 °
				-120.168824 °	-120.168824 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33044					
DS_ID:19684					
EP_NO: 15399					
Repair Type: Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to install gasline markers at crossing.					
FIELD_STRUCT_DESC: 6-inch gasline through the levee at an					
unknown depth. Location identified on PG&E website. No signs on					
levee.					
FS Date: 04/01/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 24 San Joaquin River			Left	8.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/20/2015 - 05/20/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	12
LM End	6.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting				°
					°
DWR ID	DWR_NA0010_24_f_2014_12				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	0.06	Rating **	M	Issue No.	47
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.772328 °	36.772328 °
				-120.285117 °	-120.285117 °
DWR ID	DWR_NA0010_24_s_2014_47				
Action/Comments					
Material					
Inspector Comments: District constructed a berm on waterward slope.					
Berm is being used for staging of earthen material.					

Photo 1 of 2 : SP_2015_NA0010_140_47_20150309_00005.jpg



Looking south at berm on waterward slope.

LM Start	0.06	Rating **	M	Issue No.	47 (cont)
LM End	0.06	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_NA0010_140_47_20150309_00006.jpg



Looking north at berm on waterward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	269
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.766872 °	36.766872 °
				-120.283212 °	-120.283212 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33264 DS_ID:19955 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access available to confirm condition of landward					

No Photos

LM Start	0.82	Rating **	M	Issue No.	6
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.766775 °	36.766775 °
				-120.278757 °	-120.278757 °
DWR ID	DWR_NA0010_24_s_2013_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Noted several rodent holes within this section.					

Photo 1 of 1 : SP_2015_NA0010_140_6_20150528_00070.jpg



Looking at several rodent holes on landward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.06	Rating **	M	Issue No.	270
LM End	1.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.769574 °	36.769574 °
				-120.276253 °	-120.276253 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33265 DS_ID:19961 EP_NO: 13735 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine status of crossing. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 24-inch steel discharge pipe through the levee, 2-feet below the crown. Roadway on crown has been padded 1-foot. Siphon breaker on the apex of pipeline on landward shoulder. Galvanized siphon vent pipe on the landward shoulder. Steel cutoff wall around the pipeline at centerline of levee. Pump on landward side. (Permit No. 13735-1984). FS Date: 04/08/2014					

No Photos

LM Start	1.25	Rating **	A/W	Issue No.	13
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.771834 °	36.771834 °
				-120.274224 °	-120.274224 °
DWR ID	DWR_NA0010_24_f_2014_13				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Slope damage due to vehicle traffic.					

Photo 1 of 1 : SP_2015_NA0010_140_13_20150309_00004.jpg



Looking north at slope damage by vehicle traffic on landward slope.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	1.74	Rating **	M	Issue No.	271
LM End	1.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771065 °	36.771065 °
				-120.266294 °	-120.266294 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33266 DS_ID:19962 EP_NO: 13085 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status. FIELD_STRUCT_DESC: 20-inch steel discharge pipe through the levee, 2-feet below the crown. Siphon breaker installed on apex of pipe on the landward shoulder. Steel cutoff wall placed around pipeline at each shoulder. Pipeline encased through the levee crown in concrete. Vent pipe on landward side. Rock riprap on the waterward levee slope. (Permit No. 13085-1981). FS Date: 04/08/2014					

No Photos

LM Start	2.69	Rating **	M	Issue No.	272
LM End	2.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.771742 °	36.771742 °
				-120.250929 °	-120.250929 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33267					
DS_ID:19963					
EP_NO: 13735					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to confirm status of crossing.					
FIELD_STRUCT_DESC: 24-inch steel discharge pipe through the					
levee, 2-feet below the crown. Roadway on crown has been padded 1-					
foot. Siphon breaker on the apex of pipeline on landward shoulder.					
Galvanized siphon vent pipe on the landward shoulder. Steel cutoff wall					
around the pipeline at centerline of levee. Pump on landward side.					
(Permit No. 13735-1984).					
FS Date: 04/08/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	3.46	Rating **	M	Issue No.	7
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.769345 °	36.769345 °
				-120.238370 °	-120.238370 °
DWR ID	DWR_NA0010_24_s_2012_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One of several rodent holes on landward slope.					

Photo 1 of 1 : SP_2015_NA0010_140_7_20150309_00003.jpg



Looking east at one of several rodent holes on landward slope.

LM Start	4.05	Rating **	M	Issue No.	273
LM End	4.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.769238 °	36.769238 °
				-120.228588 °	-120.228588 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36849 DS_ID:19964 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm crossing alignment and appurtenances associated with this crossing. Multiple stand pipes visible on landward side. Need to contact owner to determine status of crossing and alignment. FIELD_STRUCT_DESC: 30-inch square R.C.B.C. through the levee 12.5 feet below the crown. Concrete riser unit with slide gate on the waterward slope. Screw gate on landward shoulder. Pump on landward side. Rehabilitation of crossing under Permit No. 13085 (1981). FS Date: 04/08/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	4.50	Rating **	M	Issue No.	268
LM End	4.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.775118 °	36.775118 °
				-120.231114 °	-120.231114 °
DWR ID	DWR_NA0010_24_s_2015_268				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control Johnson Grass on landward toe and berm.					

Photo 1 of 1 : SP_2015_NA0010_140_268_20150528_00071.jpg



Looking south at Johnson Grass at landward toe and berm.

LM Start	5.39	Rating **	A/W	Issue No.	2
LM End	6.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.782337 °	36.789063 °
				-120.222930 °	-120.207438 °
DWR ID	DWR_NA0010_24_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.40	Rating **	M	Issue No.	266
LM End	5.40	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.782405 °	36.782405 °
				-120.222763 °	-120.222763 °
DWR ID	DWR_NA0010_24_s_2015_266				
Action/Comments					
Material					
Inspector Comments: Rock pile stockpile on waterward berm.					

Photo 1 of 1 : SP_2015_NA0010_140_266_20150528_00072.jpg



Looking east at rock pile on waterward berm.

* 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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	6.33	Rating **	M	Issue No.	3
LM End	6.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.788155 °	36.788155 °
				-120.209655 °	-120.209655 °
DWR ID	DWR_NA0010_24_s _ 2012_3				
Action/Comments					
Prunings					
Inspector Comments: Large pruning pile in channel.					

LM Start	6.33	Rating **	M	Issue No.	3 (cont)
LM End	6.33	Issue Type +	Ma	Location *	WS

LM Start	6.33	Rating **	M	Issue No.	3 (cont)
LM End	6.33	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2015_NA0010_140_3_20150528_00073.jpg



Looking northeast at pruning pile on waterward berm. (Spring 2015)

Photo 2 of 3 : SP_2015_NA0010_140_3_20150309_00001.jpg



Looking north at large pruning pile in channel. (Spring 2014)

Photo 3 of 3 : SP_2015_NA0010_140_3_20150309_00002.jpg



Looking south at large pruning pile in channel. (Spring 2013)

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/20/2015 05/20/2015	Richard Willoughby

LM Start	6.72	Rating **	U	Issue No.	274
LM End	6.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.786632 °	36.786632 °
				-120.204733 °	-120.204733 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42933 DS_ID:19957 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Unauthorized PVC pipe through existng crossing.					

No Photos

LM Start	8.32	Rating **	M	Issue No.	275
LM End	8.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.778084 °	36.778084 °
				-120.184454 °	-120.184454 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33272					
DS_ID:19960					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Barbed wire along levee shoulder--no access. Need to confirm crossing size and condition of crossing.					
FIELD_STRUCT_DESC: 12-inch concrete pipe through the levee, 3.0 feet below the crown. Concrete headwall on the waterward end. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.32).					
FS Date: 04/08/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 25 Salt Slough			Right	2.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/22/2015 - 05/22/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	50
LM End	0.00	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.296038 °	37.296038 °
				-120.880742 °	-120.880742 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39501 DS_ID:19965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side-- recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.02). FS Date: 05/01/2014					

LM Start	0.00	Rating **	U	Issue No.	48
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296314 °	37.271098 °
				-120.880559 °	-120.866570 °

Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control dense growth on waterward slope. Vegetation blocking view of slope.					

Photo 1 of 1 : SP_2015_NA0010_141_48_20150528_00003.jpg



Looking north at dense growth on landward slope.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.00	Rating **	U	Issue No.	49
LM End	2.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296314 °	37.271097 °
				-120.880559 °	-120.866570 °
DWR ID	DWR_NA0010_25_s_2015_49				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Control dense growth on landward slope. Vegetation blocking view of slope.					

Photo 1 of 1 : SP_2015_NA0010_141_49_20150528_00004.jpg



Looking north at dense growth on waterward slope.

LM Start	0.01	Rating **	M	Issue No.	8
LM End	2.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.296117 °	37.271193 °
				-120.880724 °	-120.866633 °
DWR ID	DWR_NA0010_25_s_2012_8				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Control weeds on levee crown.					

Photo 1 of 1 : SP_2015_NA0010_141_8_20150528_00005.jpg



Looking north at growth on levee crown.

* 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**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.34	Rating **	M	Issue No.	51
LM End	0.34	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.291173 °	37.291173 °
				-120.880731 °	-120.880731 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36851 DS_ID:19966 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.6 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.35). FS Date: 05/01/2014					

No Photos

LM Start	0.58	Rating **	M	Issue No.	52
LM End	0.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.287744 °	37.287744 °
				-120.880645 °	-120.880645 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36852 DS_ID:19967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.59). FS Date: 05/01/2014					

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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/22/2015 05/22/2015	Richard Willoughby

LM Start	0.96	Rating **	M	Issue No.	53
LM End	0.96	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.282252 °	37.282252 °
				-120.880738 °	-120.880738 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36853 DS_ID:19968 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.4 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.97). FS Date: 05/01/2014					

No Photos

LM Start	2.03	Rating **	M	Issue No.	54
LM End	2.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.277390 °	37.277390 °
				-120.867184 °	-120.867184 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:36854 DS_ID:19969 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 4.0 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.05). FS Date: 05/01/2014					

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	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/22/2015 05/22/2015	Richard Willoughby

LM Start	2.44	Rating **	M	Issue No.	55
LM End	2.44	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.271599 °	37.271599 °
				-120.866819 °	-120.866819 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:39502 DS_ID:19970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side-- recommend clearing. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. (USACE-1967). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.45). FS Date: 05/01/2014					

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