

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

Reclamation District No. 0501 Ryer Island

	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.

* **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

Reclamation District No. 0501 Ryer Island

Waterway		Bank	Unit Miles
Unit No. 01 Steamboat Slough		Right	6.71

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2015 - 04/08/2015			
DWR Inspector	Herman Phillips			
Accompanied By	Nicolas Zepeda RD 501			

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	57
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD0501_01_f_2014_57				
Action/Comments					
Inspector Comments: The district has the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD0501_01_s_2012_58				
Action/Comments					
Inspector Comments: RD 501 has emergency supplies in storage.					

No Photos

LM Start		Rating **	A	Issue No.	59
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD0501_01_s_2012_59				
Action/Comments					
Inspector Comments: Crew members have been trained and are prepared for a flood.					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.04	Rating **	M	Issue No.	4
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.230288 °	-121.603781 °
				38.253518 °	-121.602252 °
DWR ID	DWR_RD0501_01_s_2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.17	Rating **	U	Issue No.	979
LM End	0.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.252140 °	38.252140 °
				-121.602902 °	-121.602902 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44766 DS_ID:21030 EP_NO: 4581 Repair Type: Urgent Crossing Status: Found UCIP Comments: Damage present on levee crown--unable to confirm if damage due to leak in pipe. Signs of repair work on crown, however, no permit found to document recent damage to levee or repair work. New PVC pipe has been sleeved through the existing 6-inch pipe. Unable to determine if crossing is still in use, if not, crossings needs to be removed according to CVFPB Title 23 requirements. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 2.5 feet below the crown. 2-inch steel electrical conduit through levee. Cutoff wall around pipe at center of levee. Pump and gate valve in pump structure on waterward slope. Service pole on landward slope. Pipe exposed on both slopes. (Permit No. 4581-1964) FS Date: 04/21/2015					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.26	Rating **	M	Issue No.	123
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.250999 °	38.238869 °	
			-121.603126 °	-121.604356 °	
DWR ID	DWR_RD0501_01_f_2013_123				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0501_169_123_20150420_00099.jpg



Looking downstream from landside slope.

LM Start	0.27	Rating **	U	Issue No.	413
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.250940 °	38.250047 °	
			-121.603070 °	-121.603137 °	
DWR ID	DWR_RD0501_01_s_2015_413				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: The district needs to remove the fig trees from the landside levee shoulder and slope.					

Photo 1 of 1 : SP_2015_RD0501_169_413_20150413_00092.jpg



Unacceptable woody tree growth on landside levee shoulder and slope.

LM Start	0.29	Rating **	M	Issue No.	414
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.250567 °	38.250367 °	
			-121.603113 °	-121.603128 °	
DWR ID	DWR_RD0501_01_s_2015_414				
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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.38	Rating **	M	Issue No.	980
LM End	0.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249197 °	38.249197 °
				-121.603061 °	-121.603061 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32524 DS_ID:21031 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of leaks through the slope. Recommend removing vegetation along pipe alignment for reinspection. Need to contact the owner to clear slope along crossing. FIELD_STRUCT_DESC: 20-inch and 2.5-inch pipes through the levee, both 7.8 feet below the crown. Pump in pump house on landward slope. Pipe exposed along waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.40). FS Date: 06/04/2013					

No Photos

LM Start	0.43	Rating **	M	Issue No.	981
LM End	0.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.248519 °	38.248519 °
				-121.602972 °	-121.602972 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41409 DS_ID:21032 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner and ask for emergency contact information and permit number 8/21/13 Contacted Gas Control Division under the emergency contact No. 1-877-723-3344. Message has been forward to Brian Habersack at 916-859-4700, email: bhabersack@gasbiz.com. FIELD_STRUCT_DESC: 6-inch Steel Gas line through the levee 60-feet below the crown. Markers on both shoulders (Permit No. 17033, 2014). FS Date: 06/04/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.97	Rating **	U	Issue No.	983
LM End	0.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.240808 °	38.240808 °
				-121.603628 °	-121.603628 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44655 DS_ID:21034 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Unauthorized PVC pipe. Annular space not grouted. 14-inch pipe open on both ends. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 3.2 feet below the crown. (USACE-1959). 10-inch PVC pipe sleeved through 14-inch with a siphon breaker on the LS shoulder. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.0). FS Date: 04/21/2015					

No Photos

LM Start	1.55	Rating **	U	Issue No.	417
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.232562 °	38.228025 °
				-121.603473 °	-121.604148 °
DWR ID	DWR_RD0501_01_s_2015_417				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: District 501 is aware of the wild growth of berries and are scheduling to have them removed.					

Photo 1 of 1 : SP_2015_RD0501_169_417_20150413_00094.jpg



Unacceptable growth of wild berries on the land side 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	1.84	Rating **	M	Issue No.	984
LM End	1.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.228373 °	38.228373 °
				-121.604120 °	-121.604120 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44659 DS_ID:21086 EP_NO: 13233 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space between pipes not grouted. Steel plate partially covers openings between pipes. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 2.5-feet below the crown. Cutoff wall around pipe at center of levee. Pump and check valve in pump house on waterward slope. Service pole on landward slope. (Permit No. 13233-1982) 8-inch steel irrigation pipe sleeved through 14-inch (under Permit No. 11813-1, 2013). A 1.5 and a 2.5-inch electrical conduit at same location. Siphon breaker on both shoulders. FS Date: 04/21/2015					

No Photos

LM Start	1.92	Rating **	M	Issue No.	131
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227247 °	38.223326 °
				-121.604157 °	-121.603497 °
DWR ID	DWR_RD0501_01_f_2013_131				
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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	2.04	Rating **	M	Issue No.	26
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.225500 °	38.224738 °
				-121.603887 °	-121.603750 °
DWR ID	DWR_RD0501_01_s_2012_26				
Action/Comments					
Note and monitor erosion site.					

No Photos

LM Start	2.31	Rating **	U	Issue No.	116
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.221620 °	38.221620 °
				-121.603390 °	-121.603393 °
DWR ID	DWR_RD0501_01_f_2014_116				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trim the trees to allow slope to be seen.					

Photo 1 of 1 : SP_2015_RD0501_169_116_20150312_00007.jpg



Looking downstream at the woody tree growth on the landward levee slope.

LM Start	2.34	Rating **	M	Issue No.	75
LM End	2.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.221206 °	38.221206 °
				-121.603572 °	-121.603572 °
DWR ID	DWR_RD0501_01_s_2014_75				
Action/Comments					
Tree or limb					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	2.34	Rating **	M	Issue No.	985
LM End	2.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221277 °	38.221277 °
				-121.603505 °	-121.603505 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44683 DS_ID:21021 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Discarded pipe on WS slope should be removed. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 2.5-feet below the crown. Pump and gate valve in pump house on waterward slope. a 4'X4' concrete distribution box, power pole, and meter on LS toe (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.50). FS Date: 04/21/2015					

No Photos

LM Start	2.38	Rating **	M	Issue No.	31
LM End	3.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.220732 °	38.202810 °
				-121.603734 °	-121.613523 °
DWR ID	DWR_RD0501_01_s_2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild growth so the levee slope can be seen and inspected.					

Photo 1 of 1 : SP_2015_RD0501_169_31_20150413_00096.jpg



Wild growth on levee section.

* 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	2.83	Rating **	M	Issue No.	986
LM End	2.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.215351 °	38.215351 °
				-121.608013 °	-121.608013 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32526 DS_ID:21022 EP_NO: 2742 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Additional notes: pump was running during inspection, 16-inch pipe debris section located on landward side, view of standpipe and support structure on waterward side does not match structure description--need to determine if crossing has been altered. FIELD_STRUCT_DESC: 16-inch drainpipe through the levee, 3.6 feet below the crown. Cutoff walls around pipe at center of levee. Siphon breaker on apex of pipe at landward shoulder. Pump house on landward shoulder. Pipe discharges into 48-inch pipe with screw gate on landward side. (Permit No. 2742-1959). Repairs made to pipe and a portion replaced, from landward shoulder to discharge end on waterward side, under Permit No. 15380 (1999). Rock revetment placed on waterward slope. Revegetation in progress on waterside. FS Date: 06/04/2013					

No Photos

LM Start	2.84	Rating **	M	Issue No.	36
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215112 °	38.208925 °
				-121.608273 °	-121.611162 °
DWR ID	DWR_RD0501_01_s_ 2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove and or thin so the slope can be inspected. Unable to see the ground under wild tree growth.					

Photo 1 of 1 : SP_2015_RD0501_169_36_20150413_00097.jpg



Wild growth of black locus trees on levee slope, thin out so levee slope can be seen.

* 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	2.85	Rating **	M	Issue No.	11
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.214838 °	38.214075 °
				-121.608129 °	-121.608750 °
DWR ID	DWR_RD0501_01_f_2014_11				
Action/Comments					
Inspector Comments: 2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2013: No observed changes. [2013 Site ID: STM_18-9_R]					

Photo 1 of 1 : SP_2015_RD0501_169_11_20150312_00003.jpg



USACE 2013 Photo #1

LM Start	2.99	Rating **	M	Issue No.	987
LM End	2.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.213439 °	38.213439 °
				-121.609583 °	-121.609583 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44688 DS_ID:21025 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron irrigation pipe through the levee, 3.2 feet below the crown. 6-foot diameter steel standpipe at LS toe. Pipe may run parallel to levee crown to cross levee at site of 14-inch HLM: 2.98 FS Date: 04/21/2015					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	3.04	Rating **	M	Issue No.	5
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.212573 °	38.211596 °
				-121.609760 °	-121.609928 °
DWR ID	DWR_RD0501_01_f_2014_5				
Action/Comments					
Inspector Comments: 2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2013: No observed changes. [2013 Site ID: STM_18-8_R]					

Photo 1 of 1 : SP_2015_RD0501_169_5_20150312_00002.jpg



USACE 2013 Photo #1

LM Start	3.12	Rating **	M	Issue No.	418
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211380 °	38.211380 °
				-121.610197 °	-121.610200 °
DWR ID	DWR_RD0501_01_s_2015_418				
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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	3.14	Rating **	U	Issue No.	988
LM End	3.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.211386 °	38.211386 °
				-121.610189 °	-121.610189 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42925 DS_ID:21026 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Damage present to pipe (leak). Additional notes available: 8-inch is leaking on landward side--white sealant and rag used to seal hole, single line crack on the crown of the alignment, pipe through the levee could be bigger than 8-inch unable to confirm. Also found a 3-inch steel pipe approximately 7 feet upstream from 8-inch pipe (authorized or unauthorize?). Need to contact owner to coordinate with CVFPB. FIELD_STRUCT_DESC: 8-inch steel pipe and 1.5-inch steel electrical conduit through the levee, both 2.0 feet below the crown. Gate valve on waterward side. Cutoff wall around pipe and conduit at center of levee. Siphon breaker on apex of pipe at landside shoulder. Pump on piling structure on waterward slope installed under Permit No. 9880 (1975). Meter pole at landward toe. Pipe exposed along landward slope. Discharge filter on landward slope installed under Permit No. 9880-B (1975). FS Date: 06/04/2013					

No Photos

LM Start	3.45	Rating **	M	Issue No.	419
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206905 °	38.203150 °
				-121.612047 °	-121.613360 °
DWR ID	DWR_RD0501_01_s_2015_419				
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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	3.48	Rating **	M	Issue No.	989
LM End	3.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.206726 °	38.206726 °
				-121.612135 °	-121.612135 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32529 DS_ID:21028 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe was running during inspection. Crack on crown surface could be associated with pipe vibration during operation. Need to determine owner of crossing. Owner will need to clear vegetation along pipe alignment on landward side to prevent levee inspection along crossing. FIELD_STRUCT_DESC: 20-inch pipe through the levee, 2.2 feet below the crown. 1.5-inch electrical conduit along side 20 inch pipe. Pump on platform on waterward side. Walkway present on waterward side. Stand pipe located on landward toe. Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.70). FS Date: 06/04/2013					

No Photos

LM Start	3.59	Rating **	M	Issue No.	47
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.204983 °	38.204227 °
				-121.612868 °	-121.613045 °
DWR ID	DWR_RD0501_01_s_2012_47				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Not able to see levee slope.					

Photo 1 of 1 : SP_2015_RD0501_169_47_20150413_00095.jpg



Wild tree growth on landside slope and shoulder should be trimmed and thinned.

* 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	3.73	Rating **	M	Issue No.	49
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202997 °	38.202730 °
				-121.613447 °	-121.613520 °
DWR ID	DWR_RD0501_01_s_2012_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.74	Rating **	M	Issue No.	50
LM End	3.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202820 °	38.202197 °
				-121.613498 °	-121.613732 °
DWR ID	DWR_RD0501_01_s_2012_50				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control the growth on the slope.					

No Photos

LM Start	4.16	Rating **	M	Issue No.	17
LM End	4.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197277 °	38.196657 °
				-121.616550 °	-121.617286 °
DWR ID	DWR_RD0501_01_s_2012_17				
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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	4.29	Rating **	M	Issue No.	990
LM End	4.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.196176 °	38.196176 °
				-121.617898 °	-121.617898 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19644 DS_ID:21016 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section was altered/modified through levee crown. 12-inch pipe sleeved through existing pipe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Additional Notes: electrical conduit is disconnected on landside. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also need to contact owner to obtain maintenance records for crossing--need permit authorizing modifications. FIELD_STRUCT_DESC: 14-inch pipe through the levee, 3.2 feet below the crown. 12-inch pipe sleeved through existing 14-inch pipe and annular space grouted. 1.5-inch electrical conduit runs parallel along 14-inch pipe. Pump on pile structure in channel. Walkway to pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.30). FS Date: 06/04/2013					

No Photos

LM Start	4.36	Rating **	U	Issue No.	991
LM End	4.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195627 °	38.195627 °
				-121.619082 °	-121.619082 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44716 DS_ID:21017 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and open on WS slope. Should be removed or abandoned properly. FIELD_STRUCT_DESC: 2.5-inch steel electrical conduit through the levee 4-feet below the crown. No Location marker on waterward slope. FS Date: 04/21/2015					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	4.60	Rating **	M	Issue No.	992
LM End	4.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.194438 °	38.194438 °
				-121.623063 °	-121.623063 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44720 DS_ID:21103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify type of abandonment and if needed abandon it properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through the levee, 3.0 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.90). A 1.5-inch electrical conduit is visible on the LS slope 3-feet below the crown (good indicator for pipe crossing). FS Date: 04/21/2015					

No Photos

LM Start	5.07	Rating **	M	Issue No.	993
LM End	5.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195009 °	38.195009 °
				-121.631548 °	-121.631548 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44726 DS_ID:21018 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned as there are no connections at siphon pump on LS shoulder. If it is abandoned it should be done so properly. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe sleeved through a 16-inch steel pipe through the levee, 3-feet below the crown. Annular space grouted. Siphon pump/breaker on landward shoulder. Steel standpipe with slidegate at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.40). FS Date: 04/23/2015					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	5.27	Rating **	M	Issue No.	65
LM End	5.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193805 °	38.192457 °
				-121.635391 °	-121.637997 °
DWR ID	DWR_RD0501_01_f_2012_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.39	Rating **	M	Issue No.	978
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.192878 °	38.192588 °
				-121.637332 °	-121.637802 °
DWR ID	DWR_RD0501_01_f_2013_978				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	5.71	Rating **	M	Issue No.	24
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.190590 °	38.190246 °
				-121.642468 °	-121.643164 °
DWR ID	DWR_RD0501_01_s_2012_24				
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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	5.77	Rating **	M	Issue No.	3
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.190001 °	38.189311 °
				-121.643160 °	-121.643917 °
DWR ID	DWR_RD0501_01_f_2014_3				
Action/Comments					
Inspector Comments: 2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013: Site has fresh erosion and taller vertical sections. [2013 Site ID: STM_15-7_R]					

Photo 1 of 1 : SP_2015_RD0501_169_3_20150312_00001.jpg



USACE 2013 Photo #1

LM Start	5.88	Rating **	M	Issue No.	20
LM End	6.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188929 °	38.185941 °
				-121.644645 °	-121.648359 °
DWR ID	DWR_RD0501_01_s_2012_20				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the wild growth from the levee section. Can't see the slope.					

Photo 1 of 1 : SP_2015_RD0501_169_20_20150420_00101.jpg



Looking downstream from landside slope unacceptable wild growth on the landward shoulder and slope.

LM Start	6.49	Rating **	M	Issue No.	21
LM End	6.68	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.184540 °	38.183924 °
				-121.653865 °	-121.657321 °
DWR ID	DWR_RD0501_01_s_2012_21				
Action/Comments					
Fence					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	6.59	Rating **	M	Issue No.	23
LM End	6.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.184136 °	38.184040 °
				-121.655762 °	-121.656291 °
DWR ID	DWR_RD0501_01_s_2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	6.70	Rating **	M	Issue No.	994
LM End	6.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.183961 °	38.183961 °
				-121.656860 °	-121.656860 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32530 DS_ID:21020 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) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. If structure is no longer used--Need to contact owner to determine status. If crossing is no longer used owner will need to coordinate with CVFPB. FIELD_STRUCT_DESC: Abandoned 16-inch pipe through the levee, 6.5 feet below the crown. Siphon breaker and service pole on landward shoulder. Electrical box on landside toe. Pump on pile stucture in channel. FS Date: 06/04/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles
Unit No. 02 Cache Slough	Left	3.56

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2015 - 04/08/2015			
DWR Inspector	Herman Phillips			
Accompanied By	Nicolas Zepeda RD 501			

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.188260 °	38.188260 °	
			-121.648701 °	-121.648700 °	
DWR ID	DWR_RD0501_02_s_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0501_170_21_20150420_00035.jpg



Looking downstream along the landside levee slope.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.09	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.184050 °	38.185178 °	
			-121.657713 °	-121.658515 °	
DWR ID	DWR_RD0501_02_s_2012_2				
Action/Comments					
Fence					

No Photos

LM Start	0.09	Rating **	M	Issue No.	181
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.185080 °	38.185838 °	
			-121.658597 °	-121.658930 °	
DWR ID	DWR_RD0501_02_s_2015_181				
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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	0.36	Rating **	M	Issue No.	47
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.188712 °		
			-121.657735 °		
DWR ID	DWR_RD0501_02_f_2014_47				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.54	Rating **	M	Issue No.	11
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.191117 °	38.191170 °	
			-121.656468 °	-121.656437 °	
DWR ID	DWR_RD0501_02_s_2012_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove the young willow trees from the levee slope.					

Photo 1 of 1 : SP_2015_RD0501_170_11_20150420_00037.jpg



Wild growth on the waterside levee 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	0.86	Rating **	U	Issue No.	186
LM End	0.86	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195600 °	38.195600 °
				-121.655191 °	-121.655191 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32533 DS_ID:21036 EP_NO: 1902 Repair Type: Urgent Crossing Status: Found UCIP Comments: Reason for an Urgent Priority is due to adjacent crossing--adjacent crossing has holes present and is was installed in the 1960s. Our records show this pipe was installed before 1955. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. If crossing is no longer in use--Owner will need to coordinate with DWR Inspector and CVFPB. Need to determine condition of pipe--request maintenance records from owner once found--this crossing could be capped and grouted--NEED RECORDS. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 1.7 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Pipe discharges into concrete sump near landward toe. Pipe is exposed along landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.90). Section of pipe, between both shoulders, was removed and replaced with a 10-inch steel pipe under Permit No. 1902 (1959). FS Date: 06/07/2013					

No Photos

LM Start	1.04	Rating **	M	Issue No.	10
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.198153 °	38.198153 °
				-121.655614 °	-121.655614 °
DWR ID	DWR_RD0501_02_s_2012_10				
Action/Comments					
Note and monitor erosion site. Inspector Comments: This erosion has not been repaired prior to the fall inspection.					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.07	Rating **	M	Issue No.	8
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.198602 °	38.199148 °	
			-121.655605 °	-121.655490 °	
DWR ID	DWR_RD0501_02_s_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the unacceptable growth from the waterside slope.					

Photo 1 of 1 : SP_2015_RD0501_170_8_20150420_00038.jpg



Unacceptable wild growth on the water side levee slope.

LM Start	1.10	Rating **	M	Issue No.	5
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.199128 °	38.200146 °	
			-121.655881 °	-121.655638 °	
DWR ID	DWR_RD0501_02_f_2014_5				
Action/Comments					
Inspector Comments: 2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2013: No observed changes. [2013 Site ID: CHS_15-9_L]					

Photo 1 of 1 : SP_2015_RD0501_170_5_20150312_00001.jpg



USACE 2013 Photo #1

* 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.15	Rating **	M	Issue No.	187
LM End	1.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199816 °	38.199816 °
				-121.655395 °	-121.655395 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44865 DS_ID:21038 EP_NO: 2817 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Scour hole located on waterward side. FIELD_STRUCT_DESC: 20-inch steel drainpipe sleeved through a 24-inch steel pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Two cutoff collars around the pipe at both shoulders. Pipe exposed along both slopes. Rock revetment on waterward slope. Berm on waterward side is over 20 feet. (Permit No. 2817-1959) FS Date: 06/07/2013					

No Photos

LM Start	1.16	Rating **	M	Issue No.	188
LM End	1.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199837 °	38.199837 °
				-121.655391 °	-121.655391 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44866 DS_ID:21094 EP_NO: 14491 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Scour hole present on waterward side. FIELD_STRUCT_DESC: 24-inch steel drainpipe through the levee, 4.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on landward side. (Permit No. 14491-1986) FS Date: 06/07/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.25	Rating **	M	Issue No.	189
LM End	1.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201143 °	38.201143 °
				-121.655169 °	-121.655169 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44753 DS_ID:21085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole rusted through pipe on WS end. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: Abandoned 20-inch steel pipe through the levee, 15.5 feet below the crown. Pipe exposed along waterward slope, Steel plate welded over end (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.40). FS Date: 04/23/2015					

No Photos

LM Start	1.51	Rating **	M	Issue No.	1
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.204957 °	38.216130 °
				-121.655087 °	-121.667686 °
DWR ID	DWR_RD0501_02_f_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the tall weeds from the landward levee section.					

Photo 1 of 1 : SP_2015_RD0501_170_1_20150420_00039.jpg



Unacceptable tall weeds on the landward levee section.

* 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.70	Rating **	M	Issue No.	190
LM End	1.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.207507 °	38.207507 °
				-121.656219 °	-121.656219 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44867 DS_ID:21093 EP_NO: 13520 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Owner needs to be informed about the vegetation clearance required for proper inspection. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 3.4 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe on landward shoulder. Pipe extends from sump off of landward toe. Pipe exposed along waterward slope. Rock revetment on waterward slope. (Permit No. 13520-1982) FS Date: 06/07/2013					

No Photos

LM Start	1.75	Rating **	M	Issue No.	75
LM End	1.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208143 °	38.209209 °
				-121.655911 °	-121.656697 °
DWR ID	DWR_RD0501_02_f_2013_75				
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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.81	Rating **	M	Issue No.	191
LM End	1.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208874 °	38.208874 °
				-121.655505 °	-121.655505 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40489 DS_ID:21042 EP_NO: 15477 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Stacey Boyd, LMA superintendent for RD0501, confirmed the removal and replacement of existing crossing under new permit no. 18811. New crossing will be a 30-inch diameter discharge pipe above the design flood plane. Construction will start soon. Update record once the project is completed. Dense vegetation on both waterside and landside. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 42-inch steel pipe through the levee, 6.5 feet below the crown. Siphon breaker on waterward slope. Pump on the landward side (Permit No. 15477, 1990). Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0). FS Date: 06/07/2013					

No Photos

LM Start	1.82	Rating **	M	Issue No.	192
LM End	1.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208998 °	38.208998 °
				-121.655575 °	-121.655575 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19653 DS_ID:21091 EP_NO: 15477 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2 of 2: 36-inch steel pipe through the levee, 7.0 feet below the crown. Siphon breaker on waterward shoulder. Pumps on landward side. Pipe exposed along both slopes. Pipe supports at levee shoulders, were cutoff walls from pre-existing pipe (Permit No. 15477-1990) Dual 36-inch pipes are approximately 36-inches apart. FS Date: 06/07/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.82	Rating **	M	Issue No.	193
LM End	1.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.209009 °	38.209009 °
				-121.655585 °	-121.655585 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19652 DS_ID:21084 EP_NO: 15477 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 36-inch steel pipe through the levee, 7.0 feet below the crown. Siphon breaker on waterward shoulder. Pumps on landward side. Pipe exposed along both slopes. Pipe supports at levee shoulders, were cutoff walls from pre-existing pipe. (Permit No. 15477-1990) Pipes are approximately 36 inches apart. FS Date: 06/07/2013					

No Photos

LM Start	1.94	Rating **	M	Issue No.	183
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209332 °	38.227843 °
				-121.657765 °	-121.673095 °
DWR ID	DWR_RD0501_02_s_2015_183				
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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	2.90	Rating **	M	Issue No.	29
LM End	3.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218885 °	38.221076 °
				-121.670022 °	-121.671360 °
DWR ID	DWR_RD0501_02_s_2014_29				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	3.09	Rating **	M	Issue No.	196
LM End	3.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221090 °	38.221090 °
				-121.671384 °	-121.671384 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19657 DS_ID:21046 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) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 16-inch pipe sleeved through a 20-inch pipe through the levee, 4.7 feet below the crown. Annular gap grouted. Siphon breaker on landward shoulder. Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.30). The 16-inch pipe was sleeved through pre-existing pipe under Permit No. 2645 (1959). FS Date: 08/22/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway		Bank	Unit Miles
Unit No. 03 Miner Slough		Left	7.71

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2015 - 04/09/2015			
DWR Inspector	Herman Phillips			
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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227815 °	38.238702 °
				-121.673129 °	-121.664900 °
DWR ID	DWR_RD0501_03_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the unwanted tall weeds from the landside slope.					

Photo 1 of 1 : SP_2015_RD0501_171_1_20150604_00069.jpg



View looking downstream along the landside shoulder.

LM Start	0.65	Rating **	M	Issue No.	431
LM End	0.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.234679 °	38.234679 °
				-121.665417 °	-121.665417 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44873 DS_ID:21065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump operating during inspection. Need to determine owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 6.3 feet below the crown instead of 16-inch pipe mentioned in O&M. Siphon breaker on landward slope. Pipe exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.70). FS Date: 06/07/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	1.38	Rating **	M	Issue No.	432
LM End	1.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242879 °	38.242879 °
				-121.659450 °	-121.659450 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44728 DS_ID:21066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. Wooden walkway to pier in disrepair and a hazard. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 8.0-feet below the crown. Siphon breaker on landward slope. Pump on pipe structure in stream. Concrete standpipe and distribution slide gates at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.50). 1.5-inch electrical conduit at same location. FS Date: 06/07/2013					

No Photos

LM Start	1.50	Rating **	M	Issue No.	127
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244662 °	38.253090 °
				-121.657822 °	-121.655613 °
DWR ID	DWR_RD0501_03_f_2013_127				
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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	1.65	Rating **	M	Issue No.	13
LM End	7.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246667 °	38.285653 °
				-121.658611 °	-121.606479 °
DWR ID	DWR_RD0501_03_s_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.93	Rating **	M	Issue No.	433
LM End	1.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249362 °	38.249362 °
				-121.656357 °	-121.656357 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43503 DS_ID:21068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Authorized or Unauthorized? Need permit authorizing work. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope on both waterward and landward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 6.3 feet below the crown. Pump, gate valve and switch box on waterward slope. Originally reported as 3.8-feet below crown in O+M manual, 1959 at HLM: 2.0. FS Date: 06/07/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	2.26	Rating **	M	Issue No.	129
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254353 °	38.257521 °
				-121.654436 °	-121.651515 °
DWR ID	DWR_RD0501_03_f_2013_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.57	Rating **	M	Issue No.	434
LM End	2.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.256255 °	38.256255 °
				-121.651551 °	-121.651551 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:18945 DS_ID:21047 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine owner of structure. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 3.3 feet below the crown. Gate valve and switch box on landward slope. Pipe exposed on both slopes. (USACE-1959) Riprap on waterward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.70). FS Date: 06/07/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	2.79	Rating **	M	Issue No.	130
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.260118 °	38.262839 °
				-121.651351 °	-121.647722 °
DWR ID	DWR_RD0501_03_s_2014_130				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.55	Rating **	C	Issue No.	15
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.266666 °	38.266857 °
				-121.641475 °	-121.641280 °
DWR ID	DWR_RD0501_03_s_2012_15				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	3.58	Rating **	M	Issue No.	435
LM End	3.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.266187 °	38.266187 °
				-121.641909 °	-121.641909 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32538 DS_ID:21048 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) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Need to find owner of crossing and determine if permit number is available. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown. Pump on pile structure in stream. Service pole on landward slope. Concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 06/07/2013					

No Photos

LM Start	3.64	Rating **	M	Issue No.	23
LM End	3.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.267642 °	38.267907 °
				-121.640452 °	-121.640327 °
DWR ID	DWR_RD0501_03_s_2012_23				
Action/Comments					
Building					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	3.72	Rating **	M	Issue No.	438
LM End	3.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267818 °	38.267818 °
				-121.640521 °	-121.640521 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32540 DS_ID:21050 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to properly inspect structure--limited access. Also unable to determine if structure is still in use. Levee logs indicate this crossing is abandoned. If structure is no longer used-how to prevent water from flowing through levee during flood season. If structure no longer in use owner will need to coordinate with CVFPB. FIELD_STRUCT_DESC: Abandoned 5.5 x 5.5 foot concrete tunnel through the levee, 6.5 feet below the crown. FS Date: 06/07/2013					

No Photos

LM Start	3.73	Rating **	U	Issue No.	439
LM End	3.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268003 °	38.268003 °
				-121.640474 °	-121.640474 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44743 DS_ID:21051 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete deteriorating. Pipe open on both ends. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 5.5 x 6.0 foot concrete tunnel through the levee, 2.5-feet below the crown. FS Date: 04/23/2015					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	3.75	Rating **	M	Issue No.	440
LM End	3.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268278 °	38.268278 °
				-121.640377 °	-121.640377 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19662 DS_ID:21052 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to abandon structure properly--contact owner. Also if crossing is still in use--recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 36-inch pipe through the levee, 5.0 feet below the crown. Grain loading auger sleeved through the pipe. Grain loading system on platform in channel. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.00). FS Date: 06/07/2013					

No Photos

LM Start	3.77	Rating **	M	Issue No.	441
LM End	3.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268570 °	38.268570 °
				-121.640408 °	-121.640408 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43524 DS_ID:21053 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) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.5 feet below the crown. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.00). (Permit No. 1557, 1951). FS Date: 06/07/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	4.57	Rating **	U	Issue No.	430
LM End	5.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.279153 °	38.283603 °
				-121.638700 °	-121.643350 °
DWR ID	DWR_RD0501_03_s_2015_430				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the wild berries from the levee section.					

Photo 1 of 1 : SP_2015_RD0501_171_430_20150604_00070.jpg



Looking downstream at the landside the slope and toe covered with unacceptable wild growth.

LM Start	4.84	Rating **	M	Issue No.	444
LM End	4.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.281041 °	38.281041 °
				-121.640904 °	-121.640904 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32541 DS_ID:21071 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: --Contact owner--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 appurtances. Walkway and siphon breaker not found. FIELD_STRUCT_DESC: 12-inch concrete pipe through the levee, 2.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at shoulder. Pump on pile structure in stream. Walkway access to pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.10). FS Date: 06/07/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	5.51	Rating **	M	Issue No.	445
LM End	5.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.288950 °	38.288950 °
				-121.644183 °	-121.644183 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19666 DS_ID:21054 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to find owner and permit number authorizing work. 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: 12-inch pipe through the levee, 3.0 feet below the crown. Pump on pile structure in stream. FS Date: 06/07/2013					

No Photos

LM Start	5.52	Rating **	M	Issue No.	446
LM End	5.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.288951 °	38.288951 °
				-121.644223 °	-121.644223 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44877 DS_ID:21055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 1.8-feet below the crown. Pump on pile structure in stream. Pipe exposed on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.90). FS Date: 04/23/2015					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	6.50	Rating **	M	Issue No.	447
LM End	6.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290373 °	38.290373 °
				-121.627633 °	-121.627633 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32542 DS_ID:21059 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine status of crossing. Horizontal and vertical cracks present on stand pipe located on landward side. 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 and appurtenances. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 6.0 feet below the crown. 2-inch conduit line through levee. Pump and gate valve on waterward slope. Pipe exposed on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 06/13/2013					

No Photos

LM Start	6.51	Rating **	M	Issue No.	448
LM End	6.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290356 °	38.290356 °
				-121.627488 °	-121.627488 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42118 DS_ID:24054 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine encroachment number issued for pipe installation. FIELD_STRUCT_DESC: Gasline through levee at an angle with unknown depth. Markers visible on both sides. FS Date: 06/13/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	6.51	Rating **	M	Issue No.	449
LM End	6.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290351 °	38.290351 °
				-121.627452 °	-121.627452 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19668 DS_ID:21057 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing was operating during inspection; 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 and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 30-inch steel pipe through the levee, 9.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker at landward slope. Primer tanks on landward slope. Pipe exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). Section of pipe between shoulders removed and replaced with 30-inch steel pipe under Permit No. 2497 (1959). FS Date: 06/13/2013					

No Photos

LM Start	6.52	Rating **	M	Issue No.	450
LM End	6.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290345 °	38.290345 °
				-121.627401 °	-121.627401 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32543 DS_ID:21058 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 and appurtenances. Need to find pipe owner. Unable to determine status of crossing. FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 2.7 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Surge chamber at landward toe. Pump near waterward toe. Pipe exposed on landward side. (USACE-1959). Concrete platform 4 feet by 3 feet located on landward toe. 3-inch conduit runs along 8-inch steel pipe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 06/13/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	7.23	Rating **	U	Issue No.	28
LM End	7.23	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.287750 °	38.287750 °	
			-121.613335 °	-121.613335 °	
DWR ID	DWR_RD0501_03_f_2012_28				
Action/Comments					
Pipe Inspector Comments: There is new pipe, sand filter, concrete pad, and fence within the 10 foot easement landside. There is a new pump and fence on the waterside toe of levee. At this site there is an open trench on the landward slope. Discovered 11-26-2012. District has not pursued this matter any further to date.					

Photo 1 of 1 : SP_2015_RD0501_171_28_20150312_00002.jpg



This filtration system sits within 10-foot of the landward toe, there is no CVFPB permit on file.

LM Start	7.35	Rating **	M	Issue No.	453
LM End	7.35	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.287837 °	38.287837 °	
			-121.613453 °	-121.613453 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19672 DS_ID:21061 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Conduit visible on landward side; new gate on WS toe; filtration system with security fence; Pipe has been upgraded--need permit authorizing work and 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 and appurtenances. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 3.7 feet below the crown. Siphon breaker and service pole on landward slope. 2-inch conduit runs parallel to 8-inch steel pipe. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.00). FS Date: 06/13/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway		Bank	Unit Miles
Unit No. 04 Sutter Slough		Right	2.28

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/08/2015 - 04/08/2015			
DWR Inspector	Herman Phillips			
Accompanied By	Nicolas Zepeda RD 501			

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	3
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.285529 °	38.285074 °	
			-121.606258 °	-121.605489 °	
DWR ID	DWR_RD0501_04_f_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control the vegetation on the landside slope.					

Photo 1 of 1 : SP_2015_RD0501_172_3_20150604_00045.jpg



View looking downstream from the landside shoulder.

LM Start	0.03	Rating **	M	Issue No.	214
LM End	0.03	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.254035 °	38.254035 °	
			-121.601757 °	-121.601757 °	
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44878 DS_ID:21096 EP_NO: 3635 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Marker missing on waterward side--need to contact owner. FIELD_STRUCT_DESC: 2.5-inch steel conduit through the levee, 3.0 feet below the crown. Pole at landward toe. Rock revetment on waterward slope. (Permit No. 3635-1962) Abandoned and replaced by 3-inch conduit under Permit No. 5412 (1967). FS Date: 06/13/2013					

No Photos

LM Start	0.17	Rating **	M	Issue No.	52
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.283542 °	38.283542 °	
			-121.604072 °	-121.604072 °	
DWR ID	DWR_RD0501_04_f_2014_52				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side 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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.56	Rating **	M	Issue No.	215
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278848 °	38.278848 °
				-121.601216 °	-121.601216 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32547 DS_ID:21080 EP_NO: 18135 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks visible on levee crown could be associated with pipe vibration or settlement. Burrow activity on landward side. Recommend removing vegetation along pipe alignment on landward side to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch iron pipe through the levee, 3.5 feet below the crown. Cutoff wall around pipe at landward shoulder. Slant pump and pump house on waterward slope. Concrete standpipe and power pole at landward toe. Service pole on landward slope. Pipe exposed on both slopes. (Permit No. 2446-1957) Section of pipe under levee crown, between both shoulders, was removed and replaced with a 10-inch steel pipe under Permit No. 18135 (2006). Two crossings nearby 10-inch pipe and 8-inch pipe crossings are approximately 5 feet apart. FS Date: 06/07/2013					

No Photos

LM Start	0.56	Rating **	M	Issue No.	216
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278831 °	38.278831 °
				-121.601213 °	-121.601213 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32548 DS_ID:21079 EP_NO: 2446 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Permit documents indicate that pipe does not appear to be properly grouted. Crossing needs to be properly abandoned per CVFPB Title 23--need to find owner. Also recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 6.0 feet below the crown. Pump on waterward side. Steel plate welded on waterward end. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.60). Pipe was abandoned under Permit No. 2446 (1957). 10-inch steel pipe is located approximately 5 feet downstream. FS Date: 06/13/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.79	Rating **	M	Issue No.	65
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275228 °	38.274872 °	
			-121.602333 °	-121.602546 °	
DWR ID	DWR_RD0501_04_f_2013_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.99	Rating **	C	Issue No.	7
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.272733 °	38.272700 °	
			-121.603940 °	-121.603953 °	
DWR ID	DWR_RD0501_04_s_2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	1.06	Rating **	U	Issue No.	217
LM End	1.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272053 °	38.272053 °
				-121.604176 °	-121.604176 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32549 DS_ID:21072 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe has deteriorated-holes present on landward side. Need to contact owner. Unable to determine if crossing is still being used. 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 and appurtenances. FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 2.7 feet below the crown. Pump on waterward side. Steel plate welded on waterward end. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.10). FS Date: 06/13/2013					

No Photos

LM Start	1.11	Rating **	M	Issue No.	218
LM End	1.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.271400 °	38.271400 °
				-121.604368 °	-121.604368 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32550 DS_ID:21073 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if the pipe goes through the levee. need As-Built drawings; Need owner information. FIELD_STRUCT_DESC: 1.5-inch conduit through the levee, 2.0 feet below the crown. Pole and anchor on landward slope. FS Date: 06/13/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	1.20	Rating **	M	Issue No.	219
LM End	1.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.270171 °	38.270171 °
				-121.604403 °	-121.604403 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32551 DS_ID:21074 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine status of crossing. Pipe visible on waterward side--could be the pipe that was supposed to be removed under permit number 13983 (1985). Also present is a 1.5 inch conduit along the 8 inch pipe. Need to coordinate with owner. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 6.4 feet below the crown. Pump on pile structure in stream. Service pole on landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.30). Pipe should have been removed and replaced with 12-inch pipe under Permit No. 13983 (1985). FS Date: 06/13/2013					

No Photos

LM Start	1.20	Rating **	M	Issue No.	220
LM End	1.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.270156 °	38.270156 °
				-121.604403 °	-121.604403 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32552 DS_ID:21095 EP_NO: 13983 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe was to be removed during the installation of new 12-inch pipe crossing. Need to contact pipe owner. Unable to confirm crossing--need additional records for crossing. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at landward shoulder. Pump on pile structure in stream. Service pole on landward slope. Pipe connects to 10-inch steel pipe along the landward slope at the shoulder, and similarly to pre-existing 8-inch pipe on the waterward side. (Permit No. 13983-1985) FS Date: 06/13/2013					

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

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	1.78	Rating **	M	Issue No.	221
LM End	1.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.262165 °	38.262165 °
				-121.601691 °	-121.601691 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44471 DS_ID:21076 EP_NO: 16906 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing was running during site inspection. 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 and appurtenances. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 2.2 feet below the crown. Pump on pile structure in stream. Concrete standpipe on landward side. Pipe is exposed on landward slope. (Permit No. 16906-1999) Two conduits present 3 inch conduit disconnected and 1.5 inch electrical conduit appears to be active. FS Date: 06/13/2013					

No Photos

LM Start	1.81	Rating **	M	Issue No.	14
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261142 °	38.260653 °
				-121.601542 °	-121.601435 °
DWR ID	DWR_RD0501_04_f_2013_14				
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**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	1.90	Rating **	M	Issue No.	222
LM End	1.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260407 °	38.260407 °
				-121.601365 °	-121.601365 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32553 DS_ID:21077 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 and appurtenances. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown. 2 inch conduit goes through levee. Siphon breaker on landward slope. Pump on pile structure in stream. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0). FS Date: 06/13/2013					

No Photos

LM Start	1.91	Rating **	M	Issue No.	212
LM End	1.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.259748 °	38.259468 °
				-121.601212 °	-121.601122 °
DWR ID	DWR_RD0501_04_s_2015_212				
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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