

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2014 Levee Inspection Results

Reclamation District No. 0341 Sherman 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 2014 Levee Inspection Results

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles
Unit No. 01 Threemile Slough		Right	3.34

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/03/2014 - 04/03/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Joel D. McElroy RD 341			

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 2014

Reclamation District No. 0341 Sherman Island

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough			Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start		Rating **	A	Issue No.	4	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Operations & Maintenance Manuals				°	°
					°	°
DWR ID	DWR_RD0341_01_s_2013_4					
Action/Comments						

No Photos

LM Start		Rating **	A	Issue No.	5	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_RD0341_01_s_2013_5					
Action/Comments						

No Photos

LM Start		Rating **	A	Issue No.	6	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_RD0341_01_s_2013_6					
Action/Comments						

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	43
LM End	0.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.085507 °	38.085507 °
				-121.686528 °	-121.686528 °
DWR ID	DWR_RD0341_01_s_2014_43				
Action/Comments					
Inspector Comments: FS_ID:22063 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 11.1 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on both sides. Pump on landward side approximately 300 feet from landward toe. Pipe exposed on both levee slopes. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.0). Marine Station number 1 located on waterward side with attached small solar panel on top. FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2802.jpg



Overview of landward slope above ground once it exits levee. Pump is located approximately 300 feet from levee toe.

LM Start	0.00	Rating **	A/W	Issue No.	2
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.085533 °	38.105209 °
				-121.686480 °	-121.702210 °
DWR ID	DWR_RD0341_01_s_2013_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips_s_20140522_05936.jpg



RD 341 Unit 1 levee mile 0.00 landside levee section. Photo taken 03-04-2014.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough		Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	44
LM End	0.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.085583 °	38.085865 °	
			-121.686486 °	-121.686670 °	
DWR ID	DWR_RD0341_01_f_2013_44				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips_s_20140522_05937.jpg



RD 341 Unit 1 levee mile 0.00 waterside slope arundo present at toe of levee section. Photo taken 03-04-2014.

LM Start	0.02	Rating **	M	Issue No.	45
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.085866 °	38.089740 °	
			-121.686669 °	-121.686977 °	
DWR ID	DWR_RD0341_01_f_2013_45				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.48	Rating **	M	Issue No.	48
LM End	0.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.092464 °	38.092464 °
				-121.686962 °	-121.686962 °
DWR ID	DWR_RD0341_01_s_2014_48				
Action/Comments					
Inspector Comments: FS_ID:22064 EP_NO: 6297 Repair Type: Crossing Status: UCIP Comments: Markers Missing. No markers found to confirm crossing is still in use--need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 3-inch electrical conduit through the levee, 3.5 feet below the crown. Location marker on waterward shoulder--no marker found. Pole on landward side. Rock revetment on waterward slope. (Permit No. 6297-1969) FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2804.jpg



Power pole located on landward side aligns with crossing.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough		Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.50	Rating **	M	Issue No.	49
LM End	0.50	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.092754 °	38.092754 °	
			-121.686878 °	-121.686878 °	
DWR ID	DWR_RD0341_01_s_2014_49				
Action/Comments					
Inspector Comments: FS_ID:22068 EP_NO: 1477 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 1.8 feet below the crown. Pipe is encased in 12-inch CM condutor pipe under crown. Pump on landward side. Air vent and metal distribution box with gate on the landward side. Rock revetment on the waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.50). 30-feet of pipe under crown was replaced and encased in CM pipe under Permit No. 1477 (1950). FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2809.jpg



View of pipe on waterward side.

LM Start	0.75	Rating **	M	Issue No.	46
LM End	0.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.096390 °	38.099107 °	
			-121.686963 °	-121.687057 °	
DWR ID	DWR_RD0341_01_f_2013_46				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough		Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	1.07	Rating **	M	Issue No.	50
LM End	1.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.100972 °	38.100972 °
				-121.686813 °	-121.686813 °
DWR ID	DWR_RD0341_01_s_2014_50				
Action/Comments					
Inspector Comments: FS_ID:22070 EP_NO: 11095 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 18-inch pipe sleeved through 24-inch pipe through the levee, 4.0 feet below the crown. Air vent and monitoring well on landward side. Pipe exposed on the waterward slope. This pipe was retained under ABO No. 11095 (1975). FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2818.jpg



View of pipe located on waterward side.

LM Start	1.43	Rating **	M	Issue No.	51
LM End	1.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.106183 °	38.106183 °
				-121.685541 °	-121.685541 °
DWR ID	DWR_RD0341_01_s_2014_51				
Action/Comments					
Inspector Comments: FS_ID:22074 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. NEED photo of emergency contact information from marker. FIELD_STRUCT_DESC: 10-inch steel gas line through the levee. Valve in concrete box on the landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.42). FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2825.jpg



Concrete box located on landward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	1.44	Rating **	M	Issue No.	52
LM End	1.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.106323 °	38.106323 °
				-121.685493 °	-121.685493 °
DWR ID	DWR_RD0341_01_s_2014_52				
Action/Comments					
Inspector Comments: FS_ID:22076 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Unknown detail of the size of crossing. Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. NEED photo of emergency contact information from marker. FIELD_STRUCT_DESC: Gas line through the levee. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.44). FS Date: 5/5/2009					

No Photos

LM Start	1.95	Rating **	M	Issue No.	53
LM End	1.95	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.113641 °	38.113641 °
				-121.684112 °	-121.684112 °
DWR ID	DWR_RD0341_01_s_2014_53				
Action/Comments					
Inspector Comments: FS_ID:22086 EP_NO: 11103 Repair Type: Crossing Status: UCIP Comments: Unable to determine if crossing is the same as permitted under permit no. 11103. Need to contact owner and determine status of crossing under permit no. 11103. Believe steel conduit is exposed on landward side. FIELD_STRUCT_DESC: 1.5-inch iron water pipe and 3.5-inch electrical steel conduit through the levee, both 3.0 feet below the crown. Pressure system and service pole on landward slope. Fishing resort on waterward side. This pipe was retained under ABO No. 11103 (1975). FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2833.jpg



Power connection on waterward side no other appurtenances found.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	1.99	Rating **	M	Issue No.	54
LM End	1.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114092 °	38.114092 °
				-121.684524 °	-121.684524 °
DWR ID	DWR_RD0341_01_s_2014_54				
Action/Comments					
Inspector Comments: FS_ID:22093 EP_NO: 5427 Repair Type: Crossing Status: UCIP Comments: Signs of electrical connection boxes. Unable to determine if these boxes are associated to crossing. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 2 of 2: Five 1 to 1.5-inch pipes through the levee, 3.7 feet below the crown. Pump on waterward slope. Septic tank and observation well on the landward side. (Permit No. 5427-1966) FS Date: 5/5/2009					

No Photos

LM Start	1.99	Rating **	M	Issue No.	55
LM End	1.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114092 °	38.114092 °
				-121.684524 °	-121.684524 °
DWR ID	DWR_RD0341_01_s_2014_55				
Action/Comments					
Inspector Comments: FS_ID:22091 EP_NO: 5427 Repair Type: Crossing Status: UCIP Comments: Unable to find pipe or sump pump. Indicators found on landward side include potential septic tank and observation well. Need to contact owner of crossing to determine status of crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch diameter pipe sleeved through 6-inch pipe through the levee, 3.7 feet below the crown. Sump pump on waterward slope. Septic tank and observation well on the landward side. (Permit No. 5427-1966) FS Date: 5/5/2009					



View of potential observation well on landward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.04	Rating **	M	Issue No.	56
LM End	2.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114043 °	38.114043 °
				-121.685421 °	-121.685421 °
DWR ID	DWR_RD0341_01_s_2014_56				
Action/Comments					
Inspector Comments: FS_ID:22098 EP_NO: 960 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine last inspection and status of crossing. FIELD_STRUCT_DESC: 2 of 2: 10-inch gas line through the levee, 2.0 feet below the crown. Cutoff wall around pipes at center of levee. Valve pit on landward shoulder, with 2-inch drain pipe along landward slope. Location marker on waterward slope. (Permit No. 960-1944) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.04). Pipe video inspected by PG&E under Permit No. 15319 (1990). FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2850.jpg



Warning marker visible on waterward shoulder.

LM Start	2.04	Rating **	M	Issue No.	57
LM End	2.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114043 °	38.114043 °
				-121.685421 °	-121.685421 °
DWR ID	DWR_RD0341_01_s_2014_57				
Action/Comments					
Inspector Comments: FS_ID:22094 EP_NO: 960 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine last inspection and status of crossing. FIELD_STRUCT_DESC: 1 of 2: 10-inch gas line through the levee, 2.0 feet below the crown. Cutoff wall around pipes at center of levee. Valve pit on landward shoulder, with 2-inch drain pipe along landward slope. Contact information for PG&E 800-811-4111. Location marker on waterward slope. (Permit No. 960-1944) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.04). Pipe video inspected by PG&E under Permit No. 15319 (1990). FS Date: 5/5/2009					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.34	Rating **	M	Issue No.	58
LM End	2.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.111444 °	38.111444 °
				-121.689785 °	-121.689785 °
DWR ID	DWR_RD0341_01_s_2014_58				
Action/Comments					
Inspector Comments: FS_ID:22106 EP_NO: 11102 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch pipe sleeved through 12-inch pipe through the levee, 4.6 feet below the crown. Annular gap grouted. Siphon breaker at landward shoulder. Pump on landward side. Irrigation canal with distribution box at landward toe. Rock revetment on waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.33). This pipe was retained under ABO No. 11102 (1975). FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2853.jpg



View of pipe on waterward side.

* 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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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.93	Rating **	M	Issue No.	59
LM End	2.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.104206 °	38.104206 °
				-121.695367 °	-121.695367 °
DWR ID	DWR_RD0341_01_s_2014_59				

Action/Comments
 Inspector Comments: FS_ID:22116
 EP_NO: N/A
 Repair Type:
 Crossing Status:
 UCIP Comments: Pipe side does not match--found 10 inch instead of 8 inch. Pipe (2 of 2) was supposed to be removed and replaced with 12-inch steel irrigation pipes under Permit No. 5629 (1966). Historical Levee Logs from 1992 do not reflect that the replacement was completed, verify diameter of pipes and status with applicant. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
 FIELD_STRUCT_DESC: 2 of 2: 10-inch (not 8-inch as originally mentioned in desk study) steel irrigation pipe through the levee, 1.6 feet below the crown. Siphon breaker on landward side. Irrigation ditch with distribution box at landward toe. Pipe exposed on both slopes. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93).
 FS Date: 5/5/2009

Photo 1 of 1 : UCIP_2869.jpg



View of pipe and rip rap located on waterward side.

* 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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Levee Inspections**

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Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.93	Rating **	M	Issue No.	60
LM End	2.93	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.104206 °	38.104206 °	
			-121.695367 °	-121.695367 °	
DWR ID	DWR_RD0341_01_s_2014_60				
Action/Comments					
Inspector Comments: FS_ID:22112 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Pipe side does not match found 10 inch instead of 8 inch. Pipe (1 of 2) was supposed to be removed and replaced with 12-inch steel irrigation pipes under Permit No. 5629 (1966). Historical Levee Logs from 1992 do not reflect that the replacement was completed, verify diameter of pipes and status with applicant. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 10-inch (not 8-inch as originally noted in records) steel irrigation pipe through the levee, 1.4 feet below the crown. Siphon breaker on landward side. Irrigation ditch with distribution box at landward toe. Pipe exposed on both slopes. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93). FS Date: 5/5/2009					

No Photos

LM Start	3.31	Rating **	M	Issue No.	61
LM End	3.31	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.105183 °	38.105183 °	
			-121.702026 °	-121.702026 °	
DWR ID	DWR_RD0341_01_s_2014_61				
Action/Comments					
Inspector Comments: FS_ID:22183 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: New crossing found in field--need to find owner and determine permit authorizing work. FIELD_STRUCT_DESC: 10-inch corrugated metal pipe extruding from the waterward slope. FS Date: 5/5/2009					

Photo 1 of 1 : UCIP_2870.jpg



View of waterward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.34	04/03/2014 04/03/2014	Herman Phillips

LM Start	3.32	Rating **	M	Issue No.	47
LM End	3.32	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.105252 °	38.105252 °	
			-121.702273 °	-121.702273 °	
DWR ID	DWR_RD0341_01_f_2013_47				
Action/Comments					
Tree or limb					

Photo 1 of 1 : phillips_s_20140522_05938.jpg



Fallen tree on the landward slope and toe of the levee section. Photo taken 03-04-2014.

* 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**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles
Unit No. 02 Sacramento River		Left	6.28

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/03/2014 - 04/03/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Joel D. McElroy			

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 2014

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River		Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	3.34	Rating **	A	Issue No.	100
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.105286 °	38.105286 °	
			-121.703121 °	-121.703121 °	
DWR ID	DWR_RD0341_02_s_2014_100				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips_s_20140522_05939.jpg



Water side levee mile 3.34 looking from shoulder. Photo taken 03-04-2014.

LM Start	3.37	Rating **	M	Issue No.	67
LM End	3.91	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.102364 °	38.098505 °	
			-121.706185 °	-121.706327 °	
DWR ID	DWR_RD0341_02_s_2014_67				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

LM Start	3.38	Rating **	M	Issue No.	99
LM End	3.38	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.105260 °	38.105260 °	
			-121.703351 °	-121.703351 °	
DWR ID	DWR_RD0341_02_s_2014_99				
Action/Comments					
Tree or limb					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	3.78	Rating **	C	Issue No.	68
LM End	3.78	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.100350 °	38.100350 °	
			-121.706294 °	-121.706294 °	
DWR ID	DWR_RD0341_02_f_2013_68				
Action/Comments					
Tree or limb Inspector Comments: The tree listed during last inspection has been removed prior to the 2014 Spring inspection.					

No Photos

LM Start	3.93	Rating **	M	Issue No.	70
LM End	5.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.098239 °	38.082080 °	
			-121.706280 °	-121.716022 °	
DWR ID	DWR_RD0341_02_f_2013_70				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.93	Rating **	M	Issue No.	69
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.098281 °	38.083249 °	
			-121.706340 °	-121.711448 °	
DWR ID	DWR_RD0341_02_f_2013_69				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River		Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	3.97	Rating **	M	Issue No.	73
LM End	4.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.097678 °	38.096783 °	
			-121.706170 °	-121.706173 °	
DWR ID	DWR_RD0341_02_f_2013_73				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove the bamboo from levee section, this growth will block visibility of the levee slopes.					

No Photos

LM Start	4.03	Rating **	M	Issue No.	72
LM End	4.03	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.096783 °	38.096783 °	
			-121.706173 °	-121.706173 °	
DWR ID	DWR_RD0341_02_s_2014_72				
Action/Comments					
Inspector Comments: FS_ID:22203 EP_NO: 11110 Repair Type: Crossing Status: UCIP Comments: Need to determine status of crossing--need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch pipe sleeved through 12-inch pipe through the levee, 3.8 feet below the crown. Pump on concrete well on landward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.03). 10-inch pipe was retained under ABO No. 11110 (1975). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2879.jpg



View of well and pump located on landward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	4.20	Rating **	M	Issue No.	8
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.094590 °	38.095148 °
				-121.706393 °	-121.706367 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Large new erosion pocket probably hidden by vegetation in the past. 2013: No observed changes. [2013 Site ID: SAC_8-2_L]					

Photo 1 of 1 : USACE2013A_SAC_8-2_L_2.jpg



USACE 2013 Photo #1

LM Start	4.29	Rating **	M	Issue No.	74
LM End	4.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.092900 °	38.092900 °
				-121.706070 °	-121.706070 °
DWR ID	DWR_RD0341_02_s_2014_74				
Action/Comments					
Inspector Comments: FS_ID:22223 EP_NO: 11106 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump on pile structure in stream. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.29). 12-inch pipe was retained under ABO No. 11106 (1975). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2880.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	4.46	Rating **	M	Issue No.	1
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.090363 °	38.083138 °	
			-121.706227 °	-121.711478 °	
DWR ID	DWR_RD0341_02_f_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.52	Rating **	U	Issue No.	7
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	USACE Erosion Survey		38.090620 °	38.088572 °	
			-121.706684 °	-121.707127 °	
DWR ID					
Action/Comments					
Inspector Comments: 1999 - New small slump in eroded bank. 2005 - Reach extended because of vertical bank along the roadway upstream. 2011 - More slumping since last year. 2012 - Site upgraded to critical. Very steep slope which may be effecting the highway on top of the levee. 2013: New erosion towards downstream end of site. [2013 Site ID: SAC_8-0_L]					

Photo 1 of 1 : USACE2013A_SAC_8-0_L_2.jpg



USACE 2013 Photo #1

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	4.73	Rating **	U	Issue No.	5
LM End	4.81	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.086603 °	38.085459 °
				-121.707786 °	-121.708607 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Large slump section. 2012 - Site extended downstream, upgraded to critical, severe windwave. Slope is very steep and may be effecting the highway on top of the levee. 2013: No observed changes. [2013 Site ID: SAC_7-9_L]					

Photo 1 of 1 : USACE2013A_SAC_7-9_L_1.jpg



USACE 2013 Photo #1

LM Start	4.76	Rating **	M	Issue No.	75
LM End	4.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.086119 °	38.086119 °
				-121.707912 °	-121.707912 °
DWR ID	DWR_RD0341_02_s_2014_75				
Action/Comments					
Inspector Comments: FS_ID:22186 EP_NO: 4855 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Valve and pump on landward side. Rock revetment on waterward slope. (Permit No. 4855-1965) FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2875.jpg



View of crossing on waterward side--dense vegetation on slopes.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	4.95	Rating **	M	Issue No.	76
LM End	4.95	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083881 °	38.083881 °
				-121.710060 °	-121.710060 °
DWR ID	DWR_RD0341_02_s_2014_76				
Action/Comments					
Inspector Comments: FS_ID:22224 EP_NO: 1806 Repair Type: Crossing Status: UCIP Comments: Crossing has failed. Large holes present on waterward side. Need to contact owner. Crossing needs to be addressed. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe sleeved through 14-inch pipe through the levee, 6.8 feet below the crown. Hand primer pump in pumphouse on landward slope. Pipe exposed on both slopes. (Permit No. 1806-1959) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.02). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2882.jpg



View of crossing on waterward side. Dense vegetation limits inspection of crossing.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	5.01	Rating **	M	Issue No.	77
LM End	5.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083143 °	38.083143 °
				-121.710914 °	-121.710914 °
DWR ID	DWR_RD0341_02_s_2014_77				
Action/Comments					
Inspector Comments: FS_ID:22253 EP_NO: 15175 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 4: 24-inch steel irrigaiton pipe in 30-inch steel casings through the levee, 6.6 feet below the crown. Annular gap grouted. Siphon breakers at waterward shoulder, with concrete risers on both ends. Screened inlet manifold (36-inch) with backwash system on pile structure in stream. Surrounded by fence with entry gate. Irrigation pond at landward toe. (Permit No. 15175-1993). Structure in stream installed under Permit No. 16737 (2000). FS Date: 5/6/2009					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	5.01	Rating **	M	Issue No.	78
LM End	5.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083137 °	38.083137 °
				-121.710916 °	-121.710916 °
DWR ID	DWR_RD0341_02_s_2014_78				
Action/Comments					
Inspector Comments: FS_ID:22254					
EP_NO: 15175					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 2 of 4: 24-inch steel irrigaiton pipe in 30-inch steel casings through the levee, 6.6 feet below the crown. Annular gap grouted. Siphon breakers at waterward shoulder, with concrete risers on both ends. Screened inlet manifold (36-inch) with backwash system on pile structure in stream. Surrounded by fence with entry gate. Irrigation pond at landward toe. (Permit No. 15175-1993). Structure in stream installed under Permit No. 16737 (2000). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2891.jpg



Pipes, walkway, fence, and support piles located on waterward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	5.01	Rating **	M	Issue No.	79
LM End	5.01	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.083133 °	38.083133 °	
			-121.710922 °	-121.710922 °	
DWR ID	DWR_RD0341_02_s_2014_79				
Action/Comments					
Inspector Comments: FS_ID:22255 EP_NO: 15175 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 3 of 4: 24-inch steel irrigation pipe in 30-inch steel casings through the levee, 6.6 feet below the crown. Annular gap grouted. Siphon breakers at waterward shoulder, with concrete risers on both ends. Screened inlet manifold (36-inch) with backwash system on pile structure in stream. Surrounded by fence with entry gate. Irrigation pond at landward toe. (Permit No. 15175-1993). Structure in stream installed under Permit No. 16737 (2000). FS Date: 5/6/2009					

No Photos

LM Start	5.25	Rating **	M	Issue No.	2
LM End	5.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.082194 °	38.080228 °	
			-121.715246 °	-121.726459 °	
DWR ID	DWR_RD0341_02_f_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	5.34	Rating **	M	Issue No.	80
LM End	5.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.081790 °	38.081790 °
				-121.716868 °	-121.716868 °
DWR ID	DWR_RD0341_02_s_2014_80				
Action/Comments					
Inspector Comments: FS_ID:22256 EP_NO: 11116 Repair Type: Crossing Status: UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 16-inch pipe sleeved through 18-inch pipe through the levee, 2.5 feet below the crown. Annular gap grouted. Air vent on waterward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.40). This pipe was retained under ABO No. 11116 (1975). Annular gap grouted and pipe lengthened under Permit No. 15372 (1993). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2904.jpg



Pipe on waterward side at daylight.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	5.81	Rating **	M	Issue No.	81
LM End	5.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080381 °	38.080381 °
				-121.725534 °	-121.725534 °
DWR ID	DWR_RD0341_02_s_2014_81				
Action/Comments					
Inspector Comments: FS_ID:22258 EP_NO: 11116 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe sleeved through 10-inch pipe through levee, 2.5 feet below the crown. Annular gap grouted. Concrete distribution box with slide gate at landward toe. Air vent on waterward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.81). This pipe was retained under ABO No. 11116 (1975). Distributon box installed and pipe along landward slope removed and replaced with longer 10-inch steel pipe under Permit No. 15372 (1993). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2908.jpg



8-inch pipe and 14-inch pipe on waterward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	5.81	Rating **	M	Issue No.	82
LM End	5.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080381 °	38.080381 °
				-121.725534 °	-121.725534 °
DWR ID	DWR_RD0341_02_s_2014_82				
Action/Comments					
Inspector Comments: FS_ID:22259 EP_NO: 1806 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Concrete distribution box with gate valve at landward toe. Air vent on waterward side. (Permit No. 1806-1959) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.81). Distributon box installed and pipe along landward slope removed and replaced with longer 16-inch steel pipe under Permit No. 15372 (1993). FS Date: 5/6/2009					

No Photos

LM Start	5.96	Rating **	U	Issue No.	4
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.080370 °	38.080526 °
				-121.728341 °	-121.730483 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Large slump at downstream end. Gully formed from surface runoff from the road. Shallow slumping throughout site. 2012 - The gully at upstream end has increased in size and site continues to worsen. 2013: No observed changes. [2013 Site ID: SAC_7-3_L]					



USACE 2013 Photo #1

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	6.11	Rating **	M	Issue No.	71
LM End	6.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.080557 °	38.081095 °
				-121.730987 °	-121.733198 °
DWR ID	DWR_RD0341_02_f_2013_71				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	6.12	Rating **	M	Issue No.	83
LM End	6.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080591 °	38.080591 °
				-121.731249 °	-121.731249 °
DWR ID	DWR_RD0341_02_s_2014_83				
Action/Comments					
Inspector Comments: FS_ID:22260 EP_NO: 11116 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used will need to meet Title 23 requirements. Hole present in pipe section. Debris on waterward side--10-inch pipe section abandoned on slope. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe sleeved through 14-inch pipe through levee, 4.0 feet below crown. Annular gap grouted. Slide gate in distribution box on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.12). This pipe was retained under ABO No. 11116 (1975). Distributon box installed and pipe along landward slope removed and replaced with longer 16-inch steel pipe under Permit No. 15372 (1993). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2914.jpg



Pipe section on waterward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	6.32	Rating **	M	Issue No.	3
LM End	7.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.082266 °	38.078770 °	
			-121.730401 °	-121.744280 °	
DWR ID	DWR_RD0341_02_f_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	6.45	Rating **	M	Issue No.	84
LM End	6.45	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.082718 °	38.082718 °	
			-121.736635 °	-121.736635 °	
DWR ID	DWR_RD0341_02_s_2014_84				
Action/Comments					
Inspector Comments: FS_ID:22261 EP_NO: 11116 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 2.0 feet below the crown. Siphon breaker on landward slope. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.31). This pipe was retained under ABO No. 11116 (1975). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2921.jpg



Side view of pipe on waterward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	6.55	Rating **	M	Issue No.	85
LM End	6.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083549 °	38.083549 °
				-121.738161 °	-121.738161 °
DWR ID	DWR_RD0341_02_s_2014_85				
Action/Comments					
Inspector Comments: FS_ID:22262 EP_NO: 11107 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in used owner will need to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 4-inch pipe through the levee, 4.0 feet below the crown. This pipe was retained under ABO No. 11107 (1975). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2922.jpg



View of waterward side air vent pipe could be associated with crossing.

LM Start	6.96	Rating **	M	Issue No.	86
LM End	6.96	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080277 °	38.080277 °
				-121.745407 °	-121.745407 °
DWR ID	DWR_RD0341_02_s_2014_86				
Action/Comments					
Inspector Comments: FS_ID:22264 EP_NO: 892 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 2 of 2: 12.75-inch steel gas line through the levee, 2.0 feet below the crown. Concrete cutoff wall around pipes at center of levee. Location marker on waterward slope. Concrete control box and valve pit on landward slope. (Permit No. 892-1942) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. FS Date: 5/6/2009					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	6.96	Rating **	M	Issue No.	87
LM End	6.96	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080277 °	38.080277 °
				-121.745407 °	-121.745407 °
DWR ID	DWR_RD0341_02_s_2014_87				
Action/Comments					
Inspector Comments: FS_ID:22263 EP_NO: 892 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 1 of 2: 12.75-inch steel gas line through the levee, 2.0 feet below the crown. Concrete cutoff wall around pipes at center of levee. Location marker on waterward slope. Concrete control box and valve pit on landward slope. (Permit No. 892-1942) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2926.jpg



View of landward side. Concrete box and markers indicating gas pipeline. Additional marker located at levee toe.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River		Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	7.02	Rating **	M	Issue No.	88
LM End	7.02	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.080277 °	38.080277 °	
			-121.745407 °	-121.745407 °	
DWR ID	DWR_RD0341_02_s_2014_88				
Action/Comments					
Inspector Comments: FS_ID:22267 EP_NO: 15777 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Multiple crossings in general area need to clarify which pipes are in this levee section. FIELD_STRUCT_DESC: 42-inch steel gas pipeline through the levee, approximately 30.0 feet below the crown. (Permit No. 15777-1993) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2931.jpg



Marker located on landward side.

LM Start	7.08	Rating **	M	Issue No.	89
LM End	7.08	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.079803 °	38.079803 °	
			-121.746345 °	-121.746345 °	
DWR ID	DWR_RD0341_02_s_2014_89				
Action/Comments					
Inspector Comments: FS_ID:22268 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Multiple crossings in general area need to clarify which pipes are in this levee section. FIELD_STRUCT_DESC: Gas line crossing through the levee. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.08). Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-743-5000. FS Date: 5/6/2009					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	7.53	Rating **	M	Issue No.	90
LM End	7.53	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.076229 °	38.076229 °
				-121.753363 °	-121.753363 °
DWR ID	DWR_RD0341_02_s_2014_90				
Action/Comments					
Inspector Comments: FS_ID:22293 EP_NO: 1915 Repair Type: Crossing Status: UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Also important to note that DWR DOE was out in the field during our pipe inspection they were conducting pipe evaluation for pipe replacement. Need to contact DWR DOE to determine location of pipe replacement. FIELD_STRUCT_DESC: 18-inch (not 12-inch as noted in historical records) steel irrigation pipe through the levee, 3.0 feet below the crown. Concrete pipe riser on landward side. (Permit No. 1352-1948) Siphon breaker on landward side installed under Permit No. 1915 (1954). Pipe removed and replaced by 12-inch steel pipe under Permit No. 10799 (1977). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2942.jpg



View of crossing located on waterward side.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	7.53	Rating **	M	Issue No.	91
LM End	7.53	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.076229 °	38.076229 °
				-121.753363 °	-121.753363 °
DWR ID	DWR_RD0341_02_s_2014_91				
Action/Comments					
Inspector Comments: FS_ID:22294 EP_NO: 10799 Repair Type: Crossing Status: UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Also important to note that DWR DOE was out in the field during our pipe inspection they were conducting pipe evaluation for pipe replacement. Need to contact DWR DOE to determine location of pipe replacement. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5.3 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on landward shoulder. Steel (not concrete as mentioned in historical records) pipe riser on landward side. 2-inch pipe sleeve around pipe at waterward shoulder. Rock revetment on waterward slope. Pipe exposed along waterward slope. (Permit No. 10799-1977) FS Date: 5/6/2009					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	7.91	Rating **	M	Issue No.	92
LM End	7.91	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.073340 °	38.073340 °
				-121.759340 °	-121.759340 °
DWR ID	DWR_RD0341_02_s_2014_92				
Action/Comments					
Inspector Comments: FS_ID:22303 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Need to determine the status of conduit--has construction been completed? FIELD_STRUCT_DESC: Four 2.5-inch conduits sleeved through 12-inch steel pipe through the levee. Boat launching dock and ramp on the waterward side. Provide a field description of this crossing. FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2955.jpg



View of waterward side. Conduit goes though concrete structure connecting walkway.

LM Start	7.92	Rating **	M	Issue No.	6
LM End	8.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.073268 °	38.072275 °
				-121.759500 °	-121.762510 °
DWR ID	DWR_RD0341_02_s_2012_6				
Action/Comments					
Fence					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	8.19	Rating **	M	Issue No.	93
LM End	8.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.072083 °	38.072083 °
				-121.764216 °	-121.764216 °
DWR ID	DWR_RD0341_02_s_2014_93				
Action/Comments					
Inspector Comments: FS_ID:22305 EP_NO: 17728 Repair Type: Crossing Status: UCIP Comments: Need to clarify if three 2-inch steel conduits were installed. This permit appears to be associated with the dock installed at levee mile 7.91. See inspection sheet for LM 7.91. FIELD_STRUCT_DESC: Three 2-inch steel electric conduits encased in a single 6-inch steel conduit through the levee, 2.0 feet below the crown. Gaps filled with grout. Boat dock (60x8 feet) and landing on steel pilings in the channel. Metal bridge, concrete landing on pilings and foot paths on the waterward slope. Rock revetment on waterward slope. (Permit No. 17728-2004) FS Date: 5/6/2009					

No Photos

LM Start	8.33	Rating **	M	Issue No.	94
LM End	8.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.070678 °	38.070678 °
				-121.766206 °	-121.766206 °
DWR ID	DWR_RD0341_02_s_2014_94				
Action/Comments					
Inspector Comments: FS_ID:22306 EP_NO: 3494 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 1 of 2: 26-inch concrete encased steel gas line through the levee, 5.1 feet below the crown. Concrete cutoff wall around pipe at center of levee. Location sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3494-1961) Contact number listed on marker out in the field 1-800-811-4111. FS Date: 5/6/2009					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River		Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	8.33	Rating **	M	Issue No.	95
LM End	8.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.070678 °	38.070678 °
				-121.766206 °	-121.766206 °
DWR ID	DWR_RD0341_02_s_2014_95				
Action/Comments					
Inspector Comments: FS_ID:22307 EP_NO: 3494 Repair Type: Crossing Status: UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 2 of 2: 26-inch concrete encased steel gas line through the levee, 5.1 feet below the crown. Concrete cutoff wall around pipe at center of levee. Location sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3494-1961) Contact number provided on marker out in the field 1-800-811-4111. FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2961.jpg



Gas line markers located on landward side.

LM Start	8.42	Rating **	M	Issue No.	96
LM End	8.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.069690 °	38.069690 °
				-121.767313 °	-121.767313 °
DWR ID	DWR_RD0341_02_s_2014_96				
Action/Comments					
Inspector Comments: FS_ID:22309 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: New record found in the field. Unable to find any information for crossing during DWR desk study. Will need to find the owner and obtain records for crossing. Need to coordinate with CVFPB. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, at a shallow depth below the crown. Air vent on the waterward side. Distribution box with slide gate and observation well on the landward side. Pumping station on the landward side. Rip rap located on waterward side. FS Date: 5/6/2009					

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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	8.58	Rating **	M	Issue No.	97
LM End	8.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.068019 °	38.068019 °
				-121.769367 °	-121.769367 °
DWR ID	DWR_RD0341_02_s_2014_97				
Action/Comments					
Inspector Comments: FS_ID:22323					
EP_NO: 11108					
Repair Type:					
Crossing Status:					
UCIP Comments: Depression signs along pipe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch (not 10-inch mentioned in historical records) concrete encased pipe through the levee, 5.5 feet below the crown. Siphon breaker in pipe riser on landward slope. Gate valve on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.59). This pipe was retained under ABO No. 11108 (1975).					
FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2970.jpg



Overview of waterward side. Slope protection along bank.

* 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 2014

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	04/03/2014 04/03/2014	Herman Phillips

LM Start	9.01	Rating **	M	Issue No.	98
LM End	9.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.064563 °	38.064563 °
				-121.776153 °	-121.776153 °
DWR ID	DWR_RD0341_02_s_2014_98				
Action/Comments					
Inspector Comments: FS_ID:22324 EP_NO: 11114 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 14-inch pipe through the levee, 4.0 feet below the crown. Concrete standpipe with slide gate on landward side. Rock revetment on waterward slope. This pipe was retained under ABO No. 11114 (1975). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_2974.jpg



Overview of waterward side.

* 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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