

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet**

**Reclamation District No. 2062 Stewart**

	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**

**Reclamation District No. 2062 Stewart**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/9/2023 - 5/9/2023			
DWR Inspector	Alberto De Leon			
Accompanied By	Tim Mello RD2062			

**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 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	05/09/2023 05/09/2023	Alberto De Leon

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				o
					o
DWR ID	DWR_RD2062_01_f _ 2013_2				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
The O&M Manual is available at the LMA's office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2062_01_s _ 2013_5				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
Adequate flood fight supplies are available on-site.					

No Photos

LM Start		Rating **	A	Issue No.	8	
LM End		Issue Type +	Ma	Location *		
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Flood Preparedness & Training				o	
					o	
DWR ID	DWR_RD2062_01_s _ 2013_8					
Comment Code						
FP : Flood Preparedness & Training						
Inspector Comment						
The LMA has a flood fight emergency response plan. LMA has attended DWR flood fight training class.						

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	05/09/2023 05/09/2023	Alberto De Leon

LM Start	1.54	Rating **	A/W	Issue No.	4
LM End	1.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Foot Traffic			37.794843°	37.794843°
				-121.315269°	-121.315269°
DWR ID	DWR_RD2062_01_s_2022_4				
Comment Code					
E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is a pedestrian pathway on the waterside slope that needs to be monitored.					



View of pedestrian trail along the waterside slope. Spring 2023

LM Start	1.66	Rating **	A/W	Issue No.	12
LM End	1.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Foot Traffic			37.793207°	37.793207°
				-121.315214°	-121.315214°
DWR ID	DWR_RD2062_01_f_2020_12				
Comment Code					
E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	1.87	Rating **	C	Issue No.	11
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Foot Traffic			37.791827°	37.791827°
				-121.312045°	-121.312045°
DWR ID	DWR_RD2062_01_f_2020_11				
Comment Code					
E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	05/09/2023 05/09/2023	Alberto De Leon

LM Start	1.91	Rating **	C	Issue No.	10
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Foot Traffic			37.791977°	37.791977°
				-121.311383°	-121.311383°
DWR ID	DWR_RD2062_01_f_2020_10				
Comment Code					
E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	1.95	Rating **	C	Issue No.	6
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Foot Traffic			37.792341°	37.792341°
				-121.310704°	-121.310704°
DWR ID	DWR_RD2062_01_f_2021_6				
Comment Code					
E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

**\*\* Rating**  
A : Acceptable  
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  
Unit Cover Sheet**

**Reclamation District No. 2062 Stewart**

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	3.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/9/2023 - 5/9/2023			
DWR Inspector	Alberto De Leon			
Accompanied By	Tim Mello RD2062			

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	05/09/2023 05/09/2023	Alberto De Leon

LM Start	1.64	Rating **	U	Issue No.	1	
LM End	1.64	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.794014°	37.794014°	
				-121.354434°	-121.354434°	
DWR ID	19197					
Comment Code						
Inspector Comment						
DS_ID:19197						
FS_ID:72749						
EP_NO: 4305						
Repair Type: Urgent						
EVAL Issue: 1, Pipe Integrity						
Crossing Status: Found						
UCIP Comments: 03/22/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Found holes in pipe on WS between water and pumphouse. (D.Sanoski - DWR UCIP)						
10/10/2018 Extremely overgrown vegetation did not allow visual inspection of WS levee erosion; however, there are indications based on vegetation growth patterns that the erosion is still present, so keeping crossing as Urgent (D. Sanoski - DWR UCIP).08/31/2016: Heavy sloughing and sink hole remains at the WS slope in alignment with pipes. Though sloughing is not affecting levee prism, it is still an indication of a pipe integrity problem. Oil leak at the pump but does not appear to impact levee. (K. Fazel - UCIP)10/22/2013:- missing roof in pump house.- no protection for siphon breaker- huge erosion under pumphouse and levee slope on waterside. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 2 of 2: 18-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Service pole on the LS shoulder. Concrete distribution box at the LS toe. (Plans for installation of two irrigation pumps on the bank to replace an old centrifugal pumping plant at the same location authorized under Permit No. 4305, 1963 - Reclamation District No. 2062) [Additional Reference(s): DWR Levee Log, 2007. USACE San Joaquin O&M Manual 9, April 1964, (HLM 1.67)].						
FS Date: 3/22/2022 4:28:01 PM						

Photo 1 of 3 : UCIP\_SP\_2023\_72749\_109142.jpg



Top of Levee: view of crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	05/09/2023 05/09/2023	Alberto De Leon

LM Start	1.64	Rating **	U	Issue No.	1 (cont)
LM End	1.64	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.794014°	37.794014°
				-121.354434°	-121.354434°
DWR ID	19197				

Photo 2 of 3 : UCIP\_SP\_2023\_72749\_109143.jpg



Water-Side: view of pipe with corroded holes on far side.

LM Start	<b>1.64</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>1.64</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_72749\_109144.jpg



Land-Side: view of pipe outlet in distribution box.

LM Start	1.75	Rating **	C	Issue No.	9
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.794974°	37.794974°
				-121.356196°	-121.356196°
DWR ID	DWR_RD2062_02_f_2022_9				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	05/09/2023 05/09/2023	Alberto De Leon

LM Start	2.17	Rating **	M	Issue No.	3
LM End	2.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.798422°	37.801019°
				-121.362362°	-121.366819°
DWR ID	DWR_RD2062_02_s_2023_3				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					



View of ruts along the crown of levee road. Spring 2023

LM Start	3.25	Rating **	U	Issue No.	2
LM End	3.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.804806°	37.805890°
				-121.379852°	-121.384802°
DWR ID	DWR_RD2062_02_s_2023_2				
Comment Code					
V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes.					
Inspector Comment					



View of wild growth along the landside slope. Spring 2023

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**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet**

**Reclamation District No. 2062 Stewart**

Waterway			Bank	Unit Miles
Unit No. 03 Old River			Left	5.55
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/9/2023 - 5/9/2023			
DWR Inspector	Alberto De Leon			
Accompanied By	Tim Mello RD2062			

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	-0.03	Rating **	M	Issue No.	8
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809514°	37.809514°
				-121.390125°	-121.390125°
DWR ID	RD2062U03RM29.94				

**Comment Code**

**Inspector Comment**

Site ID: RD2062U03RM29.94

07/29/2022: From 2021 to present, no significant changes were observed during the annual survey.

09/30/2020: Nearly vertical scarp visible along the levee slope. Noticed rodent holes in some areas and crushed concrete pieces.

08/14/2019: No significant change observed.

09/13/2017: The erosion site has expanded significantly along the river bank.

11/09/2016: No significant change observed.

06/25/2015: The erosion is below a large oak tree. Vegetation is visible around the erosion site.

LM Start	<b>-0.03</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2023\_RD2062\_311\_8\_20230306\_00013.jpg



7/29/2022: View of the erosion from the opposite bank.

Photo 2 of 2 : SP\_2023\_RD2062\_311\_8\_20230306\_00014.jpg



7/29/2022: Another view of the erosion.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	0.09	Rating **	U	Issue No.	7
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809932°	37.809932°
				-121.388788°	-121.388788°
DWR ID	RD2062U03RM30.02				

**Comment Code**

**Inspector Comment**

Site ID: RD2062U03RM30.02

07/29/2022: From 2021 to present, no significant changes were observed during the annual survey. There is a large animal burrow on the lower bank.

09/30/2020: Noticed burrowing activity, old riprap, and caving along the lower levee slope.

08/14/2019: The erosion has extended downstream by approximately 60 ft.

09/13/2017: The erosion site has expanded significantly with the erosion length increased to approximately 90 ft from 40 ft. Signs of animal activities have been found at the site.

07/25/2016: From 2012 to present, no significant changes were observed during the annual survey.

08/23/2011: Hard to view the erosion because of the dense vegetation and trees on site. The site is under the bush, close to the tree.

LM Start	<b>0.09</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2023\_RD2062\_311\_7\_20230306\_00011.jpg



7/29/2022: View of the erosion from the opposite bank.

Photo 2 of 2 : SP\_2023\_RD2062\_311\_7\_20230306\_00012.jpg



7/29/2022: Close-up view of the erosion.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	0.17	Rating **	M	Issue No.	6
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810268 °	37.810268 °
				-121.387495 °	-121.387495 °
DWR ID	RD2062U03RM30.1				
Comment Code					
Inspector Comment					
Site ID: RD2062U03RM30.1					
07/29/2022: From 2012 to present, no significant changes were observed during the annual survey.					
08/23/2011: The protection at the levee toe has been washed away.					

Photo 1 of 1 : SP\_2023\_RD2062\_311\_6\_20230306\_00010.jpg



7/29/2022: View of the erosion from the opposite bank.

LM Start	0.22	Rating **	U	Issue No.	2
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810609°	37.810609°
				-121.385879°	-121.385879°
DWR ID	RD2062U03RM30.19				
Comment Code					
Inspector Comment					
Site ID: RD2062U03RM30.19					
07/29/2022: From 2018 to present, no significant changes were observed during the annual survey.					
09/13/2017: The erosion has developed vertically. More vegetation at the site.					
08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff.					
09/07/2010: Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events.					
11/05/2008: Top of vertical scarp has rip rap that appears to be sliding, rodent holes and existing toe rip rap.					

Photo 1 of 2 : SP\_2023\_RD2062\_311\_2\_20230306\_00003.jpg



7/29/2022: View of the erosion from the opposite bank.

* 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 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	0.22	Rating **	U	Issue No.	2 (cont)
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810609°	37.810609°
				-121.385879°	-121.385879°
DWR ID	RD2062U03RM30.19				

Photo 2 of 2 : SP\_2023\_RD2062\_311\_2\_20230306\_00004.jpg



7/29/2022: Another view of the erosion.

LM Start	0.35	Rating **	M	Issue No.	5
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.811101°	37.811101°
				-121.384402°	-121.384402°
DWR ID	RD2062U03RM30.27				

**Comment Code**

**Inspector Comment**

Site ID: RD2062U03RM30.27

07/29/2022: From 2012 to present, no significant changes were observed during the annual survey.

08/23/2011: The site is right at the downstream of a river bend.

Photo 1 of 2 : SP\_2023\_RD2062\_311\_5\_20230306\_00008.jpg



7/29/2022: View of the erosion from the opposite bank.

LM Start	<b>0.35</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.36</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2023\_RD2062\_311\_5\_20230306\_00009.jpg



8/25/2021: Front view of the erosion.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	0.51	Rating **	M	Issue No.	9	
LM End	0.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.812575°	37.812575°	
				-121.382798°	-121.382798°	
DWR ID	19200					
Comment Code						
Inspector Comment						
DS_ID:19200 FS_ID:72764 EP_NO: 2029 Repair Type: Non-Urgent EVAL Issue: 6, Levee Damage or Threat for Levee Damage Crossing Status: Found UCIP Comments: 03/22/2022 Record updated from Urgent to Non-Urgent. Possible levee threat due to erosion on LS slope beneath pipe remains, but that is because it was too difficult to confirm due to the overgrown vegetation. WS erosion beneath platform appears fixed. (D.Sanoski - DWR UCIP) 10/10/2018 Same as last inspection; erosion still present on LS slope, so keeping as Urgent (D. Sanoski - DWR UCIP).08/31/2016: Sloughing of LS slope beneath exposed section of pipe. Overflow pipe has been replaced on WS, though I could not locate a permit for that work. (K. Fazel - UCIP)10/22/2013:- pits and holes on overflow pipe on waterside.- underpinning at pump support.- slope erosion on both sides of the levee.- 2-inch electric conduit on waterside and power pole on landside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 8 feet below the crown. Siphon breaker on the landside (LS) slope. Pump house on the waterside (WS) slope. Concrete distribution box on the LS. 2-inch electrical conduit on the WS. Service pole on the LS. Newly installed, as of 2016, overflow pipe with shutoff valve on the WS. (Plans for installation of an inclined irrigation pump on the bank authorized under Permit No. 2029, 1954 - Reclamation District No. 2062). [Additional Reference(s): DWR Levee Log, 2007. USACE San Joaquin O&M Manual 9, April 1964, (HLM 0.52)]. FS Date: 3/22/2022 12:45:54 PM						

Photo 1 of 3 : UCIP\_SP\_2023\_72764\_109181.jpg



Overview of Levee: view of crossing.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	<b>0.51</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>0.51</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.812575°	37.812575°
				-121.382798°	-121.382798°
DWR ID	19200				

Photo 2 of 3 : UCIP\_SP\_2023\_72764\_109182.jpg



Land-Side: view of pipe and covered in vegetation.

LM Start	<b>0.51</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>0.51</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_72764\_109183.jpg



Water-Side: view of slope and pipes.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	0.55	Rating **	M	Issue No.	3
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.813070°	37.813070°
				-121.383100°	-121.383100°
DWR ID	RD2062U03RM30.43				
Comment Code					
Inspector Comment					
Site ID: RD2062U03RM30.43 07/29/2022: From 2011 to present, no significant changes were observed during the annual survey. 09/07/2010: Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope. 08/06/2010: Recommended as local maintenance issue, per CLRO Report. 03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year. 09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U". 11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide.					

Photo 1 of 1 : SP\_2023\_RD2062\_311\_3\_20230306\_00005.jpg



7/29/2022: View of the erosion from the opposite bank.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	1.18	Rating **	M	Issue No.	4
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.819408°	37.819408°
				-121.378888°	-121.378888°
DWR ID	RD2062U03RM31.12				
Comment Code					
Inspector Comment					
Site ID: RD2062U03RM31.12					
07/29/2022: From 2011 to present, no significant changes were observed during the annual survey. The site is immediately upstream of a repaired site.					
09/07/2010: Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide.					
08/06/2010: Recommended as local maintenance issue, per CLRO.					
03/09/2010: As discussed with Michael Moncrief of MBK Engineers, site will be 'addressed' this year.					
09/28/2009: No major change observed; section of rip rap has slipped, creating a terraced effect; dense vegetation growth; recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.12, LM1.25; previously rated "U".					
09/14/2006: 1-2' into prism.					

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>1.19</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2023\_RD2062\_311\_4\_20230306\_00006.jpg



7/29/2022: View of the erosion from the opposite bank.

Photo 2 of 2 : SP\_2023\_RD2062\_311\_4\_20230306\_00007.jpg



7/29/2022: Close-up view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 2062 Stewart

No Photos

No Photos

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	2.77	Rating **	M	Issue No.	10	
LM End	2.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.816362°	37.816362°	
				-121.354339°	-121.354339°	
DWR ID	19202					
Comment Code						
Inspector Comment						
DS_ID:19202 FS_ID:72770 EP_NO: 2505 Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/22/2022 Record remains Non-Urgent. Maintenance compliance issue with risers filled with soil. (D.Sanoski - DWR UCIP) 10/22/2013 Pumphouse roof missing, siphon breaker buried by dirt in CMP riser, and 2.25 inch electric conduit and power pole on landside. (P. Khoi - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 16-inch irrigation discharge pipe of an unknown material through the levee, 6.5 feet below the crown. Pump in a pump house on a pile structure in the stream. Timber walkway to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete distribution box at the LS toe. Timber bulkhead and slab on the waterside (WS) slope. Installed by USACE in 1963. (Plans for the installation of two irrigation pumps on the bank to replace an existing pumping plant at this location authorized under Permit No. 2505, 1959 - Reclamation District No. 2062). [Additional Reference(s): DWR Levee Log, 2007. USACE San Joaquin O&M Manual 9, April 1964, (HLM 2.81)]. FS Date: 3/22/2022 12:57:00 PM						

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2023\_72770\_109191.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP\_SP\_2023\_72770\_109192.jpg



Land-Side: view of abandoned standpipes on slope.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.816362°	37.816362°	
			-121.354339°	-121.354339°	
DWR ID	19202				

Photo 3 of 3 : UCIP\_SP\_2023\_72770\_109194.jpg



Water-Side: view of slope.

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.816362°	37.816362°	
			-121.354334°	-121.354334°	
DWR ID	19205				

**Comment Code**

**Inspector Comment**

DS\_ID:19205  
 FS\_ID:72771  
 EP\_NO: 2505  
 Repair Type: Non-Urgent  
 EVAL Issue: 11, Maintenance Compliance Issue  
 Crossing Status: Found  
 UCIP Comments: 03/22/2022 Record remains Non-Urgent.  
 Maintenance compliance issue with risers filled with soil. (D.Sanoski - DWR UCIP)  
 10/22/2013 Pumphouse roof missing, siphon breaker buried by dirt in CMP riser, and 2.25 inch electric conduit and power pole on landside. (P. Khoi - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 1 of 2: 14-inch irrigation discharge pipe of an unknown material through the levee, 6.5 feet below the crown. Pump in a pump house on a pile structure in the stream. Timber walkway to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete distribution box at the LS toe. Timber bulkhead and slab on the waterside (WS) slope. Installed by USACE in 1963. (Plans for the installation of two irrigation pumps on the bank to replace an existing pumping plant at this location authorized under Permit No. 2505, 1959 - Reclamation District No. 2062). [Additional Reference(s): DWR Levee Log, 2007. USACE San Joaquin O&M Manual 9, April 1964, (HLM 2.81)].  
 FS Date: 3/22/2022 1:05:00 PM

Photo 1 of 3 : UCIP\_SP\_2023\_72771\_109195.jpg



Top of Levee: view of crown.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.816362°	37.816362°	
			-121.354334°	-121.354334°	
DWR ID	19205				

Photo 2 of 3 : UCIP\_SP\_2023\_72771\_109196.jpg



Land-Side: view of soil-filled risers on slope.

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_72771\_109197.jpg



Water-Side: view of pipes to pumphouse.

LM Start	3.29	Rating **	M	Issue No.	15
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820153°	37.817732°
				-121.347198°	-121.343648°
DWR ID	DWR_RD2062_03_s_2023_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	4.00	Rating **	A/W	Issue No.	1
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.820750°	37.820750°
				-121.340159°	-121.340159°
DWR ID	RD2062U03RM33.92				
Comment Code					
Inspector Comment					
Site ID: RD2062U03RM33.92 This site is not rated due to the relatively wide berm. 07/15/2022: The sloughing on the mid and upper slope was visible, as well as some undermining on the lower bank. 08/25/2021: From 2018 to present, no significant changes were observed during the annual survey. 09/13/2017: The erosion site is immediately downstream of a sharp river bend.					

Photo 1 of 2 : SP\_2023\_RD2062\_311\_1\_20230306\_00001.jpg



7/15/2022: Front view of the erosion.

LM Start	<b>4.00</b>	Rating **	A/W	Issue No.	<b>1 (cont)</b>
LM End	<b>4.01</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2023\_RD2062\_311\_1\_20230306\_00002.jpg



7/15/2022: Another view of the erosion.

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	4.26	Rating **	M	Issue No.	14
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819705°	37.818823°
				-121.336296°	-121.334316°
DWR ID	DWR_RD2062_03_s_2023_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

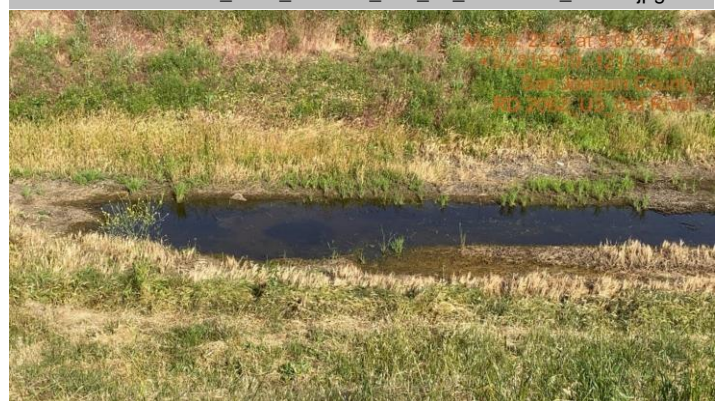
No Photos

LM Start	4.29	Rating **	C	Issue No.	17
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.819506°	37.819506°
				-121.335617°	-121.335617°
DWR ID	DWR_RD2062_03_f_2022_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.60	Rating **	U	Issue No.	13
LM End	4.60	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.815962°	37.815962°
				-121.334347°	-121.334347°
DWR ID	DWR_RD2062_03_s_2023_13				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2062\_311\_13\_20230510\_00026.jpg



View of seepage area and boil in the landside easement. Spring 2023

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	05/09/2023 05/09/2023	Alberto De Leon

LM Start	5.18	Rating **	M	Issue No.	12
LM End	5.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.808179°	37.808179°
				-121.334451°	-121.334451°
DWR ID	DWR_RD2062_03_s_2023_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2062\_311\_12\_20230510\_00025.jpg



View of ruts in the crown of levee surface road. Spring 2023

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