

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Spring 2020 Levee Inspection Results**

**Reclamation District No. 1602 Del Puerto**

	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 2020 Levee Inspection Results**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Left	6.24

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/2/2020 - 4/2/2020			
DWR Inspector	Corey Fujitani			
Accompanied By	Tony Martinez RD 1602			

**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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River			Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>39</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD1602_01_s_2012_39				
Comment Code					
Inspector Comment					
The LMA has all the O&M manuals.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>77</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD1602_01_s_2012_77				
Comment Code					
Inspector Comment					
The LMA has enough flood materials in case of an incident.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>97</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD1602_01_s_2012_97				
Comment Code					
Inspector Comment					
The LMA has solid understanding of flood fight techniques and most of the staff have flood preparedness training.					

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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>132</b>
LM End	<b>0.04</b>	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.476578 °	37.476864 °	
			-121.083898 °	-121.083235 °	
DWR ID	DWR_RD1602_01_f_2019_132				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile on the levee crown.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_132\_20200225\_00077.jpg



View of burn pile on levee crown. (Fall 2019)

LM Start	<b>0.09</b>	Rating **	M	Issue No.	<b>60</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.477161 °	37.477299 °	
			-121.082504 °	-121.082084 °	
DWR ID	DWR_RD1602_01_f_2019_60				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_60\_20200403\_00123.jpg



View of trees on landside slope looking towards Fig Ave. (Spring 2020)

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>130</b>
LM End	<b>0.71</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.477227 °	37.478520 °	
			-121.081812 °	-121.073474 °	
DWR ID	DWR_RD1602_01_f_2019_130				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_130\_20200403\_00124.jpg



Looking East along the waterside slope. (Spring 2020)

<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 2020

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>131</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.477227 °	37.478468 °	
			-121.081811 °	-121.067382 °	
DWR ID	DWR_RD1602_01_f_2019_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_131\_20200403\_00125.jpg



Looking East along the landside slope. (Spring 2020)

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.477575 °	37.477575 °	
			-121.080943 °	-121.080943 °	
DWR ID	DWR_RD1602_01_f_2016_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.20</b>	Rating **	C	Issue No.	<b>28</b>
LM End	<b>0.20</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.477706 °	37.477706 °	
			-121.080674 °	-121.080674 °	
DWR ID	DWR_RD1602_01_f_2015_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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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**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.26</b>	Rating **	C	Issue No.	<b>29</b>
LM End	<b>0.26</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.478138 °	37.478138 °	
			-121.079810 °	-121.079810 °	
DWR ID	DWR_RD1602_01_f_2017_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.479659 °	37.479659 °	
			-121.076419 °	-121.076419 °	
DWR ID	DWR_RD1602_01_f_2015_31				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>110</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.479899 °	37.479899 °	
			-121.075930 °	-121.075930 °	
DWR ID	DWR_RD1602_01_f_2018_110				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>200 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.480182 °	37.480182 °
				-121.074765 °	-121.074765 °
DWR ID	20215				

Photo 3 of 3 : UCIP\_SP\_2020\_51325\_36700.jpg



Damaged Wooden lid on WS toe.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>201</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.480176 °	37.480176 °
				-121.074736 °	-121.074736 °
DWR ID	24681				

Photo 1 of 3 : UCIP\_SP\_2020\_22937\_39050.jpg



Communication line access box on LS shoulder.

Comment Code					
Inspector Comment					
DS_ID:24681 FS_ID:22937 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2013 No permit identified for this crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: Communications line of an unknown size or material through the levee, at an unknown depth. FS Date: 10/1/2013					

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>201 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.480176 °	37.480176 °
				-121.074736 °	-121.074736 °
DWR ID	24681				

Photo 2 of 3 : UCIP\_SP\_2020\_22937\_39049.jpg



Communication line access box on LS shoulder.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>201 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_22937\_39048.jpg



Communication line marker on LS shoulder.

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>70</b>
LM End	<b>0.71</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.479967 °	37.478514 °
				-121.074582 °	-121.073435 °
DWR ID	DWR_RD1602_01_s_2012_70				
Comment Code					
FE : Fence					
Inspector Comment					
Barbed wire fence along the landward toe.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_70\_20200225\_00043.jpg



View of barbed wire fence at landward toe looking upstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.77</b>	Rating **	A/W	Issue No.	<b>202</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.477993 °	37.477993 °	
			-121.072645 °	-121.072645 °	
DWR ID	20216				
Comment Code					
Inspector Comment					
DS_ID:20216 FS_ID:51634 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to No Action Needed the debris blocking the outlet has been cleared. (O. Magana - DWR UCIP)10/01/2013 Flap gate blocked from functioning by soil buildup on WS toe. Soil should be cleared. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 14.4 feet below crown. Concrete "U" headwall on the waterside (WS) and landside (LS) ends. Slide gate in 6-foot by 7-foot concrete surge box is located on the WS shoulder. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 0.78), Drawing No. 7-4-1784]. FS Date: 11/18/2016					

Photo 1 of 3 : UCIP\_SP\_2020\_51634\_36723.jpg



Inlet on LS toe.

LM Start	<b>0.77</b>	Rating **	A/W	Issue No.	<b>202 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2020\_51634\_36722.jpg



Slide gate in concrete box on WS shoulder.

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>0.77</b>	Rating **	A/W	Issue No.	<b>202 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.477993 °	37.477993 °
				-121.072645 °	-121.072645 °
DWR ID	20216				

Photo 3 of 3 : UCIP\_SP\_2020\_51634\_36721.jpg



Concrete inlet on LS toe.

LM Start	<b>0.80</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.477830 °	37.479293 °
				-121.072226 °	-121.063091 °
DWR ID	DWR_RD1602_01_s_2020_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_25\_20200403\_00126.jpg



View of the waterside slope looking upstream. (Spring 2020)

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>1.63</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.477849 °	37.477455 °
				-121.071953 °	-121.058627 °
DWR ID	DWR_RD1602_01_s_2020_40				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_40\_20200403\_00127.jpg



View of vegetation growing along the crown. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>1.00</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.478810 °	37.478810 °	
			-121.068738 °	-121.068738 °	
DWR ID	DWR_RD1602_01_s_2012_36				
Comment Code					
RA : Ramp					
Inspector Comment					
Pipe owner placed fill over pipe above crown of levee to build ramp over pipe.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_36\_20200225\_00018.jpg



View of the ramp on the crown. The picture was taken from crown looking downstream.

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>203</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.478816 °	37.478816 °	
			-121.068780 °	-121.068780 °	
DWR ID	20217				
Comment Code					
Inspector Comment					
DS_ID:20217 FS_ID:51636 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent a flap gate has been added to the WS but pipe is currently not connected to pump. According to Tony Martinez, LMA representative, this crossing is currently not in use. Owner will need to coordinate with CVFPB to obtain permit. (O. Magana - DWR UCIP)10/01/2013 Appears abandoned and if so should be done so properly. Flapgate missing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 16-inch steel drainage pipe through levee, 17 feet below crown. Pumps on the pump platform are located on the landside (LS). Siphon breaker in 24-inch corrugated metal pipe (CMP) riser is located on the waterside (WS) shoulder. Concrete "U" headwall and flap gate are located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.01), Drawing No. 7-4-1784]. FS Date: 11/18/2016					

Photo 1 of 3 : UCIP\_SP\_2020\_51636\_36758.jpg



Pumping plant on LS toe. Pipe visible under walkway.

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>203 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.478816 °	37.478816 °
				-121.068780 °	-121.068780 °
DWR ID	20217				

Photo 2 of 3 : UCIP\_SP\_2020\_51636\_36757.jpg



Siphon breaker in 24-inch CMP riser on WS shoulder.

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>203 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_51636\_36756.jpg



Siphon breaker in 24-inch CMP riser on WS shoulder.

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>204</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.478817 °	37.478817 °	
			-121.068773 °	-121.068773 °	
DWR ID	20219				
Comment Code					
Inspector Comment					
DS_ID:20219 FS_ID:51637 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent a flap gate has been added to the WS. According to Tony Martinez, LMA representative, this crossing is currently not in use. Owner will need to coordinate with CVFPB to obtain permit. (O. Magana - DWR UCIP)10/01/2013 Appears abandoned siphon breakers covered in soil and flapgate missing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 16-inch steel drainage pipe through levee, 17 feet below crown. Pump on pump platform located on the landside (LS). Siphon breaker in 24-inch riser located on the waterside (WS) shoulder. Concrete "U" headwall and flap gate are located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.01), Drawing No. 7-4-1784]. FS Date: 11/18/2016					

Photo 1 of 3 : UCIP\_SP\_2020\_51637\_36772.jpg



Pipe visible under walkway at puming plant on LS toe.

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>204 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2020\_51637\_36771.jpg



Siphon breaker covered in soil at CMP riser on WS shoulder.

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.02</b>	Rating **	U	Issue No.	<b>205 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.478779 °	37.478779 °
				-121.068508 °	-121.068508 °
DWR ID	20218				

Photo 2 of 3 : UCIP\_SP\_2020\_53521\_36785.jpg



Grated inlet at LS toe.

LM Start	<b>1.02</b>	Rating **	U	Issue No.	<b>205 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_53521\_36789.jpg



Slide gate in concrete riser next to shed on WS shoulder.

LM Start	<b>1.05</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>1.05</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.478567 °	37.478567 °
				-121.067847 °	-121.067847 °
DWR ID	RD1602U01RM97.68				

Photo 1 of 3 : SP\_2020\_RD1602\_110\_2\_20200225\_00001.jpg



Close-up view of the erosion. The erosion is covered by dense vegetation at the site.

Comment Code					
Inspector Comment					
Site ID: RD1602U01RM97.68					
09/17/2019: No significant change observed. Signs of animal activities at the site.					
09/20/2017: The erosion was discovered during the spring levee inspection. The size of the erosion is roughly estimated due to dense vegetation at the site.					

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.05</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.05</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.478567 °	37.478567 °
				-121.067847 °	-121.067847 °
DWR ID	RD1602U01RM97.68				

Photo 2 of 3 : SP\_2020\_RD1602\_110\_2\_20200225\_00002.jpg



Close view of the erosion.

LM Start	<b>1.05</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.05</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP\_2020\_RD1602\_110\_2\_20200225\_00003.jpg



Close-up view at the erosion. Signs of squirrel activities.

LM Start	<b>1.08</b>	Rating **	U	Issue No.	<b>61</b>
LM End	<b>1.31</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.478467 °	37.479209 °
				-121.067380 °	-121.063671 °
DWR ID	DWR_RD1602_01_s_2020_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_61\_20200403\_00128.jpg



Looking upstream at vegetation growing on the landside slope and toe. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.09</b>	Rating **	M	Issue No.	<b>127</b>
LM End	<b>1.09</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.478449 °	37.478449 °	
			-121.067261 °	-121.067261 °	
DWR ID	DWR_RD1602_01_f_2019_127				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Young tree growing in the landside shoulder should be removed before it can establish.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_127\_20200225\_00072.jpg



Young tree growing on the landside shoulder should be removed. (Fall 2019)

LM Start	<b>1.19</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>1.19</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.478347 °	37.478347 °	
			-121.065361 °	-121.065361 °	
DWR ID	DWR_RD1602_01_f_2017_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>1.31</b>	Rating **	M	Issue No.	<b>64</b>
LM End	<b>2.06</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.479228 °	37.471354 °	
			-121.063642 °	-121.057452 °	
DWR ID	DWR_RD1602_01_s_2020_64				
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	<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.34</b>	Rating **	U	Issue No.	<b>65</b>
LM End	<b>1.54</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.479294 °	37.478348 °	
			-121.063091 °	-121.059757 °	
DWR ID	DWR_RD1602_01_s_2020_65				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_65\_20200403\_00129.jpg



View of the waterside slope looking upstream. (Spring 2020)

LM Start	<b>1.54</b>	Rating **	M	Issue No.	<b>75</b>
LM End	<b>1.65</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.478347 °	37.477236 °	
			-121.059759 °	-121.058496 °	
DWR ID	DWR_RD1602_01_s_2020_75				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.55</b>	Rating **	U	Issue No.	<b>122</b>
LM End	<b>1.55</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.478245 °	37.478245 °	
			-121.059535 °	-121.059535 °	
DWR ID	DWR_RD1602_01_f_2019_122				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_122\_20200225\_00068.jpg



Looking at tree limbs hanging over the landside shoulder and crown. (Fall 2019)

<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
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.57</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>1.57</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.478113 °	37.478113 °
				-121.059287 °	-121.059287 °
DWR ID	DWR_RD1602_01_f_2017_33				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_33\_20200225\_00015.jpg



View of prunings on the landside of the levee.

LM Start	<b>1.61</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>2.22</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.477663 °	37.470125 °
				-121.058716 °	-121.055244 °
DWR ID	DWR_RD1602_01_s_2012_43				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at the landside toe of the levee.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_43\_20200225\_00022.jpg



View of the fence on the landside toe of the levee. The picture was taken from crown looking upstream.

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

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>1.65</b>	Rating **	U	Issue No.	<b>80</b>
LM End	<b>1.65</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.477218 °	37.477218 °	
			-121.058505 °	-121.058505 °	
DWR ID	DWR_RD1602_01_s_2018_80				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree branch on landward slope and toe.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_80\_20200225\_00045.jpg



Looking at fallen branch on landward slope and toe.

LM Start	<b>1.80</b>	Rating **	M	Issue No.	<b>104</b>
LM End	<b>1.80</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.475110 °	37.475110 °	
			-121.057925 °	-121.057925 °	
DWR ID	DWR_RD1602_01_f_2018_104				
Comment Code					
PR : Prunings					
Inspector Comment					
Tree limbs on landside toe.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_104\_20200225\_00064.jpg



tree limbs on landside toe. (Fall 2018)

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.471734 °	37.471734 °	
			-121.057670 °	-121.057670 °	
DWR ID	DWR_RD1602_01_s_2012_45				
Comment Code					
EQ : Equipment					
Inspector Comment					
A well is present at the toe of the landside of the slope.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_45\_20200225\_00024.jpg



A well is located at the landside toe of the levee. The picture was taken from the crown looking toward the landside of the levee.

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>2.07</b>	Rating **	U	Issue No.	<b>93</b>
LM End	<b>2.07</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.471195 °	37.471195 °
				-121.057356 °	-121.057356 °
DWR ID	DWR_RD1602_01_s_2020_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_93\_20200403\_00132.jpg



View rodent burrows in landside slope. (Spring 2020)

LM Start	<b>2.07</b>	Rating **	U	Issue No.	<b>93 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2020\_RD1602\_110\_93\_20200403\_00131.jpg



Representative view of rodent burrow in landside slope. (Spring 2020)

LM Start	<b>2.17</b>	Rating **	M	Issue No.	<b>116</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.470322 °	37.470293 °
				-121.056173 °	-121.054244 °
DWR ID	DWR_RD1602_01_s_2020_116				
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	<b>N : Not Inspected/Rated</b> <b>C : Corrected</b> <b>A/W : Acceptable but Monitor &amp; Maintain</b>	<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>2.19</b>	Rating **	M	Issue No.	<b>101</b>
LM End	<b>2.19</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.470210 °	37.470210 °	
			-121.055683 °	-121.055683 °	
DWR ID	DWR_RD1602_01_f_2018_101				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning pile on landside slope.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_101\_20200225\_00062.jpg



Pruning pile at landside toe. (Fall 2018)

LM Start	<b>2.27</b>	Rating **	M	Issue No.	<b>117</b>
LM End	<b>2.27</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.470258 °	37.470258 °	
			-121.054392 °	-121.054392 °	
DWR ID	DWR_RD1602_01_s_2019_117				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>2.29</b>	Rating **	M	Issue No.	<b>79</b>
LM End	<b>2.29</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.470348 °	37.470348 °	
			-121.053987 °	-121.053987 °	
DWR ID	DWR_RD1602_01_s_2017_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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>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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>2.56</b>	Rating **	C	Issue No.	<b>81</b>
LM End	<b>2.56</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.469268 °	37.469268 °	
			-121.049413 °	-121.049413 °	
DWR ID	DWR_RD1602_01_s_2017_81				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>2.79</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.466997 °	37.466997 °	
			-121.046606 °	-121.046606 °	
DWR ID	RD1602U01RM99.7				
Comment Code					
Inspector Comment					
Site ID: RD1602U01RM99.7 09/12/2019: Five erosion pockets were found in a reach of approximately 120 ft at the levee toe. The largest pocket is approximately 5 ft long and 3 ft high.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_19\_20200225\_00004.jpg



Looking down at the erosion pocket.

LM Start	<b>2.81</b>	Rating **	M	Issue No.	<b>119</b>
LM End	<b>3.01</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.466673 °	37.464528 °	
			-121.046185 °	-121.044012 °	
DWR ID	DWR_RD1602_01_s_2020_119				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Cattle trail beginning to cut in to the waterside slope.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_119\_20200403\_00134.jpg



Looking upstream along the waterside slope at cattle trail. (Spring 2020)

<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> 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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>2.82</b>	Rating **	C	Issue No.	<b>44</b>
LM End	<b>2.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.466645 °	37.466645 °	
			-121.046148 °	-121.046148 °	
DWR ID	DWR_RD1602_01_f_2016_44				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.85</b>	Rating **	M	Issue No.	<b>47</b>
LM End	<b>2.86</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.466294 °	37.466166 °	
			-121.045693 °	-121.045527 °	
DWR ID	DWR_RD1602_01_f_2016_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_47\_20200225\_00025.jpg



View of rodent holes on the waterside of the levee. Fall 2016

LM Start	<b>2.89</b>	Rating **	M	Issue No.	<b>49</b>
LM End	<b>2.89</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.465898 °	37.465898 °	
			-121.045209 °	-121.045209 °	
DWR ID	DWR_RD1602_01_f_2016_49				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_49\_20200225\_00027.jpg



View of rodent holes on the waterside slope of the levee. Spring 2017

<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
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>2.95</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.465190 °	37.465190 °	
			-121.044584 °	-121.044584 °	
DWR ID	DWR_RD1602_01_f_2016_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_51\_20200225\_00029.jpg



View of a rodent hole on the waterside of the levee.

LM Start	<b>2.98</b>	Rating **	M	Issue No.	<b>95</b>
LM End	<b>2.98</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.464810 °	37.464810 °	
			-121.044248 °	-121.044248 °	
DWR ID	DWR_RD1602_01_f_2018_95				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_95\_20200403\_00135.jpg



View of the landside slope from the toe of the levee. (Spring 2020)

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>94</b>
LM End	<b>3.24</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.461879 °	37.461879 °	
			-121.041519 °	-121.041519 °	
DWR ID	DWR_RD1602_01_f_2018_94				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.27</b>	Rating **	U	Issue No.	<b>206 (cont)</b>
LM End	<b>3.27</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.461507 °	37.461507 °
				-121.041609 °	-121.041609 °
DWR ID	20204				

Photo 2 of 3 : UCIP\_SP\_2020\_53522\_36804.jpg



Slide gate in 60-inch CMP riser on WS shoulder.

LM Start	<b>3.27</b>	Rating **	U	Issue No.	<b>206 (cont)</b>
LM End	<b>3.27</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_53522\_76527.jpg



Overview of levee crown at pipe crossing.

LM Start	<b>3.32</b>	Rating **	M	Issue No.	<b>56</b>
LM End	<b>3.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.460811 °	37.460811 °
				-121.042078 °	-121.042078 °
DWR ID	DWR_RD1602_01_s_2017_56				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_56\_20200225\_00031.jpg



View of rodent holes on the landside of the levee. Fall 2016

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>3.53</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.460644 °	37.458373 °	
			-121.042231 °	-121.044081 °	
DWR ID	DWR_RD1602_01_s_2012_50				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch is located on waterside toe of the levee.					

Photo 1 of 3 : SP\_2020\_RD1602\_110\_50\_20200403\_00136.jpg



Looking downstream along the waterside slope. (Spring 2020)

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>3.53</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : SP\_2020\_RD1602\_110\_50\_20200403\_00137.jpg



Looking upstream along the waterside toe. (Spring 2020)

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>3.53</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : SP\_2020\_RD1602\_110\_50\_20200403\_00139.jpg



View of upstream end of the the waterside ditch. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.35</b>	Rating **	M	Issue No.	<b>120</b>
LM End	<b>3.44</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.460481 °	37.459459 °	
			-121.042383 °	-121.043407 °	
DWR ID	DWR_RD1602_01_s_2020_120				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>3.37</b>	Rating **	M	Issue No.	<b>113</b>
LM End	<b>3.37</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.460217 °	37.460217 °	
			-121.042583 °	-121.042583 °	
DWR ID	DWR_RD1602_01_s_2019_113				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	<b>3.43</b>	Rating **	C	Issue No.	<b>57</b>
LM End	<b>3.43</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.459552 °	37.459552 °	
			-121.043279 °	-121.043279 °	
DWR ID	DWR_RD1602_01_f_2017_57				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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>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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>133</b>
LM End	<b>4.86</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.456391 °	37.441215 °	
			-121.044430 °	-121.036806 °	
DWR ID	DWR_RD1602_01_s_2020_133				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_133\_20200403\_00140.jpg



View of the landside slope looking upstream. (Spring 2020)

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>121</b>
LM End	<b>4.87</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.456387 °	37.441178 °	
			-121.044428 °	-121.036828 °	
DWR ID	DWR_RD1602_01_s_2020_121				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_121\_20200403\_00141.jpg



Looking upstream along the waterside slope. (Spring 2020)

LM Start	<b>3.69</b>	Rating **	U	Issue No.	<b>102</b>
LM End	<b>3.69</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.456234 °	37.456234 °	
			-121.044194 °	-121.044194 °	
DWR ID	DWR_RD1602_01_f_2019_102				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_102\_20200225\_00063.jpg



View of fallen tree on the waterside slope and toe. (Fall 2019)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.76</b>	Rating **	U	Issue No.	<b>83</b>
LM End	<b>3.76</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.455414 °	37.455414 °	
			-121.043765 °	-121.043765 °	
DWR ID	DWR_RD1602_01_s_2017_83				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_83\_20200225\_00047.jpg



View of a tree trunk on the waterside slope of the levee.

LM Start	<b>3.82</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>3.92</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.454611 °	37.453309 °	
			-121.043193 °	-121.042191 °	
DWR ID	DWR_RD1602_01_f_2013_66				
Comment Code					
FE : Fence					
Inspector Comment					
Fence, animal pen and other encroachments at landward toe.					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_66\_20200225\_00038.jpg



Fences were found on the landside toe of the levee looking upstream.

LM Start	<b>3.82</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>3.92</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2020\_RD1602\_110\_66\_20200225\_00039.jpg



Looking southwest at animal pens and other encroachments on landward toe. (Spring 2018)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.86</b>	Rating **	M	Issue No.	<b>207</b>
LM End	<b>3.86</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.454097 °	37.454097 °	
			-121.042810 °	-121.042810 °	
DWR ID	20206				

**Comment Code**

**Inspector Comment**

DS\_ID:20206  
 FS\_ID:53523  
 EP\_NO: 7796  
 Repair Type: Non-Urgent  
 Crossing Status: Indicator Found  
 UCIP Comments: 10/19/2018 Pipe section through the WS ramp was exposed during the 2017 storms. According to LMA representative, adjacent property owner has backfilled the pipe with soil to avoid damage to line. Contacted Mr. Chris Williams with PG&E and Mr. Williams mentioned that PG&E is planning to abandon the line and install a new line. The new line will be bored through the levee. Mr. Williams also mentioned that the line was inspected in 2016-17 and was found to be functional. However, due to the pipe exposure in 2017 PG&E has decided to abandon the current line. PG&E is working with the CVFPB to obtain the proper permits and complete the final design for the new line. This crossing has been downgraded from Urgent to Non-Urgent due to the updated UCIP reclassification evaluations. Pending action for this crossing includes line abandonment documentation from CVFPB and closeout files for this crossing. Primary PG&E contact for this crossing is Carlos Carbrera, Stanislaus and San Joaquin PG&E Local Engineer. He can be reached at 1-925-789-0509 or by email at c4ch@pge.com. (O. Magana - DWR UCIP)11/18/2016 Same as previous inspection crossing is missing markers visible from levee crown. PG&E completed some construction work on this line from September - November 3rd, 2016 and installed a marker on WS approxiamtely 341 feet from levee crown. UCIP inspector will need to contact Mr. Chris Williams, Associate Construction Specialist, Gas Construction Management Central Valley Region with PG&E at 1-209-272-2811 to determine extent of inspection through levee. (O. Magana - DWR UCIP)10/01/2013 Gasline needs sign markers at levee. (W. Wylie - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 12.75-inch gas line crossing through levee, 3 feet below crown. Gas line is near Prune Avenue and Paradise Avenue. For emergencies call PG&E at 1-800-811-4111. (12.75-inch line authorized under Permit No. 7796, 1972 - Pacific Gas and Electric Company [PG&E], related permits include Permit No. 7796-A issued to amend plans to allow installing gas line under river by boring method, and Permit No. 7796-B issued to modify condition no. 18 by allowing work before July 20, 1972) [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 3.90), Drawing No. 7-4-1784].  
 FS Date: 10/19/2018 10:26:00 AM

Photo 1 of 3 : UCIP\_SP\_2020\_53523\_76534.jpg



Overview of levee crown at pipe crossing.

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.86</b>	Rating **	M	Issue No.	<b>207 (cont)</b>
LM End	<b>3.86</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.454097 °	37.454097 °
				-121.042810 °	-121.042810 °
DWR ID	20206				

Photo 2 of 3 : UCIP\_SP\_2020\_53523\_76535.jpg



View of LS.

LM Start	<b>3.86</b>	Rating **	M	Issue No.	<b>207 (cont)</b>
LM End	<b>3.86</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_53523\_76536.jpg



PVC riser with yellow cover located along fence on LS.

LM Start	<b>3.87</b>	Rating **	U	Issue No.	<b>90</b>
LM End	<b>3.87</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.454004 °	37.454004 °
				-121.042724 °	-121.042724 °
DWR ID	DWR_RD1602_01_s_2019_90				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_90\_20200225\_00055.jpg



Fallen tree trunk on waterside slope. (Spring 2019)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.90</b>	Rating **	A/W	Issue No.	<b>18</b>
LM End	<b>3.90</b>	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		37.453620 °	37.453620 °	
			-121.042410 °	-121.042410 °	
DWR ID	190-FOC-1				
Comment Code					
Inspector Comment					
2017 Storm Damage Site ID No:118 Site Designation:190-FOC-1					

No Photos

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>84</b>
LM End	<b>3.90</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.453566 °	37.453566 °	
			-121.042376 °	-121.042376 °	
DWR ID	DWR_RD1602_01_s_2017_84				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_84\_20200225\_00048.jpg



View of rodent holes on the waterside of the levee.

LM Start	<b>3.93</b>	Rating **	M	Issue No.	<b>85</b>
LM End	<b>3.96</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.453233 °	37.452931 °	
			-121.042117 °	-121.041863 °	
DWR ID	DWR_RD1602_01_s_2017_85				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
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
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.93</b>	Rating **	M	Issue No.	<b>63</b>
LM End	<b>4.04</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.453226 °	37.451866 °	
			-121.042118 °	-121.041206 °	
DWR ID	DWR_RD1602_01_s_2012_63				
Comment Code					
FE : Fence					
Inspector Comment					
Fence on landward slope.					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_63\_20200225\_00036.jpg



View of a barbed wire fence on the landward slope looking upstream.

LM Start	<b>3.93</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>4.04</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2020\_RD1602\_110\_63\_20200225\_00037.jpg



Looking upstream at fence on landward slope. (Spring 2018)

LM Start	<b>3.93</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>3.93</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.453216 °	37.453216 °	
			-121.042127 °	-121.042127 °	
DWR ID	DWR_RD1602_01_s_2012_62				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Significant damage to USACE constructed seepage berm due to human activity.					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_62\_20200403\_00142.jpg



View of damage on downstream side of seepage berm. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>3.93</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>3.93</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.453216 °	37.453216 °	
			-121.042127 °	-121.042127 °	
DWR ID	DWR_RD1602_01_s_2012_62				

Photo 2 of 2 : SP\_2020\_RD1602\_110\_62\_20200225\_00035.jpg



Repair damage to USACE constructed seepage berm by pedestrian and cycle traffic.

LM Start	<b>4.03</b>	Rating **	A/W	Issue No.	<b>21</b>
LM End	<b>4.03</b>	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		37.451990 °	37.451990 °	
			-121.041240 °	-121.041240 °	
DWR ID	190-FOC-2				
Comment Code					
Inspector Comment					
2017 Storm Damage Site ID No:119 Site Designation:190-FOC-2					

No Photos

LM Start	<b>4.04</b>	Rating **	U	Issue No.	<b>74</b>
LM End	<b>4.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.451892 °	37.450563 °	
			-121.041168 °	-121.039725 °	
DWR ID	DWR_RD1602_01_s_2019_74				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_74\_20200403\_00144.jpg



Looking at the landside slope from the levee toe. (Spring 2020)

<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> <b>C : Corrected</b> <b>A/W : Acceptable but Monitor &amp; Maintain</b>	<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>4.04</b>	Rating **	U	Issue No.	<b>74 (cont)</b>
LM End	<b>4.16</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.451892 °	37.450563 °	
			-121.041168 °	-121.039725 °	
DWR ID	DWR_RD1602_01_s_2019_74				

Photo 2 of 2 : SP\_2020\_RD1602\_110\_74\_20200403\_00145.jpg



Looking downstream at the landside slope. (Spring 2020)

LM Start	<b>4.13</b>	Rating **	A/W	Issue No.	<b>23</b>
LM End	<b>4.45</b>	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		37.450930 °	37.446820 °	
			-121.039990 °	-121.037840 °	
DWR ID	190-101				
Comment Code					
Inspector Comment					
2017 Storm Damage Site ID No:120 Site Designation:190-101					

No Photos

LM Start	<b>4.22</b>	Rating **	M	Issue No.	<b>134</b>
LM End	<b>4.22</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.449848 °	37.449848 °	
			-121.039128 °	-121.039128 °	
DWR ID	DWR_RD1602_01_s_2020_134				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove young trees before they can establish.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_134\_20200403\_00146.jpg



View of young trees growing around tree limb on the waterside slope. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>4.22</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>4.22</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.449814 °	37.449814 °	
			-121.039112 °	-121.039112 °	
DWR ID	DWR_RD1602_01_s_2019_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	<b>4.32</b>	Rating **	U	Issue No.	<b>87</b>
LM End	<b>4.32</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.448492 °	37.448492 °	
			-121.038303 °	-121.038303 °	
DWR ID	DWR_RD1602_01_f_2019_87				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_87\_20200225\_00051.jpg



View of rodent burrows in the landside slope. (Fall 2019)

LM Start	<b>4.32</b>	Rating **	U	Issue No.	<b>87 (cont)</b>
LM End	<b>4.32</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2020\_RD1602\_110\_87\_20200225\_00052.jpg



Representative rodent burrow in the landside slope. (Fall 2019)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>4.38</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>4.38</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.447761 °	37.447761 °	
			-121.037845 °	-121.037845 °	
DWR ID	DWR_RD1602_01_s_2019_71				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>4.42</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>4.88</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.447213 °	37.441014 °	
			-121.037665 °	-121.036932 °	
DWR ID	DWR_RD1602_01_s_2012_67				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_67\_20200225\_00041.jpg



View of the fence on the landside toe of the levee. The picture was taken from the crown looking upstream.

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

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>4.47</b>	Rating **	M	Issue No.	<b>208 (cont)</b>
LM End	<b>4.47</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.446545 °	37.446545 °
				-121.037941 °	-121.037941 °
DWR ID	20207				

Photo 3 of 3 : UCIP\_SP\_2020\_51332\_36817.jpg



Concrete ditch at outlet from pipe on LS toe.

LM Start	<b>4.49</b>	Rating **	U	Issue No.	<b>69</b>
LM End	<b>4.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.446178 °	37.446178 °
				-121.037855 °	-121.037855 °
DWR ID	DWR_RD1602_01_s_2019_69				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_69\_20200225\_00042.jpg



View of fallen tree trunk on waterside slope. (Spring 2019)

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>91</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.445402 °	37.445402 °
				-121.037706 °	-121.037706 °
DWR ID	DWR_RD1602_01_s_2017_91				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Holes in waterside slope and both the waterside and landside shoulders.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_91\_20200225\_00056.jpg



View of rodent holes on the waterside of the levee looking downstream. Spring 2017

<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> 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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>4.60</b>	Rating **	M	Issue No.	<b>78</b>
LM End	<b>4.60</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.444624 °	37.444624 °
				-121.037777 °	-121.037777 °
DWR ID	DWR_RD1602_01_f_2019_78				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>4.84</b>	Rating **	M	Issue No.	<b>76</b>
LM End	<b>4.84</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.441469 °	37.441469 °
				-121.036653 °	-121.036653 °
DWR ID	DWR_RD1602_01_f_2019_76				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>4.87</b>	Rating **	U	Issue No.	<b>136</b>
LM End	<b>5.08</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.441177 °	37.438233 °
				-121.036828 °	-121.037099 °
DWR ID	DWR_RD1602_01_s_2020_136				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_136\_20200403\_00147.jpg



View of waterside slope looking upstream. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>4.87</b>	Rating **	U	Issue No.	<b>135</b>
LM End	<b>5.08</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.441177 °	37.438233 °	
			-121.036829 °	-121.037099 °	
DWR ID	DWR_RD1602_01_s_2020_135				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_135\_20200403\_00148.jpg



View of the landside slope looking upstream. (Spring 2020)

LM Start	<b>4.88</b>	Rating **	U	Issue No.	<b>137</b>
LM End	<b>4.97</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.441045 °	37.439832 °	
			-121.036917 °	-121.037562 °	
DWR ID	DWR_RD1602_01_s_2020_137				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_137\_20200403\_00149.jpg



View of vegetation growing along the levee crown. (Spring 2020)

LM Start	<b>4.97</b>	Rating **	M	Issue No.	<b>138</b>
LM End	<b>5.41</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.439809 °	37.434156 °	
			-121.037562 °	-121.034467 °	
DWR ID	DWR_RD1602_01_s_2020_138				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.08</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>5.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.438249 °	37.437523 °	
			-121.037100 °	-121.036958 °	
DWR ID	DWR_RD1602_01_f_2018_89				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Damage to slope appears to be from vehicle traffic.					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_89\_20200225\_00053.jpg



View along landside slope looking upstream. (Fall 2018)

LM Start	<b>5.08</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>5.13</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2020\_RD1602\_110\_89\_20200225\_00054.jpg



Upclose view of some of the damage to slope. (Fall 2018)

LM Start	<b>5.08</b>	Rating **	M	Issue No.	<b>139</b>
LM End	<b>5.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.438233 °	37.436045 °	
			-121.037099 °	-121.035917 °	
DWR ID	DWR_RD1602_01_s_2020_139				
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	<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.13</b>	Rating **	M	Issue No.	<b>92</b>
LM End	<b>5.13</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.437527 °	37.437527 °	
			-121.036967 °	-121.036967 °	
DWR ID	DWR_RD1602_01_s_2017_92				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_92\_20200225\_00057.jpg



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

LM Start	<b>5.16</b>	Rating **	U	Issue No.	<b>141</b>
LM End	<b>5.16</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.437146 °	37.437146 °	
			-121.036814 °	-121.036814 °	
DWR ID	DWR_RD1602_01_s_2020_141				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_141\_20200403\_00150.jpg



View of burrow in the waterside shoulder. (Spring 2020)

LM Start	<b>5.18</b>	Rating **	U	Issue No.	<b>48</b>
LM End	<b>5.18</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.436785 °	37.436785 °	
			-121.036593 °	-121.036593 °	
DWR ID	DWR_RD1602_01_s_2016_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_48\_20200225\_00026.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>209 (cont)</b>
LM End	<b>5.19</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.436748 °	37.436748 °
				-121.036597 °	-121.036597 °
DWR ID	20208				

Photo 3 of 3 : UCIP\_SP\_2020\_51336\_36820.jpg



Concrete headwall at inlet on LS toe.

LM Start	<b>5.22</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>5.22</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.436393 °	37.436393 °
				-121.036296 °	-121.036296 °
DWR ID	DWR_RD1602_01_s_2018_52				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole on waterward slope.					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_52\_20200225\_00030.jpg



Looking at rodent hole and erosion around rodent hole on waterward slope.

LM Start	<b>5.22</b>	Rating **	M	Issue No.	<b>68</b>
LM End	<b>5.22</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.436294 °	37.436294 °
				-121.036226 °	-121.036226 °
DWR ID	DWR_RD1602_01_f_2019_68				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
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>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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.24</b>	Rating **	A/W	Issue No.	<b>212 (cont)</b>
LM End	<b>5.24</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.436129 °	37.436129 °
				-121.036065 °	-121.036065 °
DWR ID	20210				

Photo 3 of 3 : UCIP\_SP\_2020\_21672\_36846.jpg



Concrete inlet on LS toe.

LM Start	<b>5.25</b>	Rating **	U	Issue No.	<b>142</b>
LM End	<b>6.23</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.436044 °	37.429108 °
				-121.035915 °	-121.029747 °
DWR ID	DWR_RD1602_01_s_2020_142				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_142\_20200403\_00151.jpg



View of vegetation along the landside slope looking upstream. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.25</b>	Rating **	<b>U</b>	Issue No.	<b>143</b>
LM End	<b>5.95</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.436043 °	37.432237 °	
			-121.035914 °	-121.026588 °	
DWR ID	DWR_RD1602_01_s_2020_143				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_143\_20200403\_00152.jpg



View of vegetation on the waterside slope looking upstream. (Spring 2020)

LM Start	<b>5.27</b>	Rating **	<b>M</b>	Issue No.	<b>41</b>
LM End	<b>5.27</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.435834 °	37.435834 °	
			-121.035615 °	-121.035615 °	
DWR ID	DWR_RD1602_01_s_2019_41				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>5.32</b>	Rating **	<b>M</b>	Issue No.	<b>35</b>
LM End	<b>5.32</b>	Issue Type +	<b>En</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.435235 °	37.435235 °	
			-121.035280 °	-121.035280 °	
DWR ID	DWR_RD1602_01_s_2019_35				
Comment Code					
TR : Tree or limb					
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>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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.38</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>5.44</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.434447 °	37.433791 °	
			-121.034865 °	-121.034000 °	
DWR ID	DWR_RD1602_01_f_2012_22				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_22\_20200225\_00007.jpg



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

LM Start	<b>5.41</b>	Rating **	U	Issue No.	<b>144</b>
LM End	<b>5.52</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.434156 °	37.433128 °	
			-121.034470 °	-121.032848 °	
DWR ID	DWR_RD1602_01_s_2020_144				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_144\_20200403\_00153.jpg



View of vegetation along the levee crown. (Spring 2020)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.64</b>	Rating **	C	Issue No.	<b>54</b>
LM End	<b>5.64</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.432992 °	37.432992 °	
			-121.030722 °	-121.030722 °	
DWR ID	DWR_RD1602_01_f_2019_54				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>5.72</b>	Rating **	M	Issue No.	<b>214</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.433003 °	37.433003 °	
			-121.029346 °	-121.029346 °	
DWR ID	20212				
Comment Code					
Inspector Comment					
DS_ID:20212 FS_ID:51337 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent flap gate is functional. Recommend clearing dense vegetation from WS and LS slopes. (O. Magana - DWR UCIP)10/01/2013 Flapgate has minor blockage preventing gate from fully closing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 9 feet below crown. Slide gate in concrete surge box is located on the waterside (WS) slope. Concrete "U" headwalls are located on both the waterside (WS) and landside (LS) ends. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 5.28), Drawing No. 7-4-1784]. FS Date: 11/18/2016					

Photo 1 of 3 : UCIP\_SP\_2020\_51337\_36878.jpg



Slide gate in concrete riser on WS shoulder.

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.72</b>	Rating **	M	Issue No.	<b>214 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.433003 °	37.433003 °
				-121.029346 °	-121.029346 °
DWR ID	20212				

Photo 2 of 3 : UCIP\_SP\_2020\_51337\_36877.jpg



Concrete U-shaped headwall on LS toe.

LM Start	<b>5.72</b>	Rating **	M	Issue No.	<b>214 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_51337\_36876.jpg



Concrete U-shaped headwall on LS toe.

LM Start	<b>5.72</b>	Rating **	M	Issue No.	<b>53</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.432990 °	37.432990 °
				-121.029240 °	-121.029240 °
DWR ID	DWR_RD1602_01_f_2019_53				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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>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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.78</b>	Rating **	<b>U</b>	Issue No.	<b>34</b>
LM End	<b>5.81</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.433038 °	37.433081 °	
			-121.028190 °	-121.027632 °	
DWR ID	DWR_RD1602_01_f_2018_34				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_34\_20200225\_00016.jpg



Looking upstream along the waterside shoulder. (Fall 2019)

LM Start	<b>5.78</b>	Rating **	<b>U</b>	Issue No.	<b>34 (cont)</b>
LM End	<b>5.81</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>

Photo 2 of 2 : SP\_2020\_RD1602\_110\_34\_20200225\_00017.jpg



Trim tree to 5 feet above ground. (Fall 2018)

LM Start	<b>5.86</b>	Rating **	<b>M</b>	Issue No.	<b>26</b>
LM End	<b>5.86</b>	Issue Type +	<b>Ma</b>	Location *	<b>WS</b>
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.433142 °	37.433142 °	
			-121.026702 °	-121.026702 °	
DWR ID	DWR_RD1602_01_f_2018_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_26\_20200225\_00009.jpg



View of trees growing on the waterside slope. (Fall 2019)

<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 2020**

**Reclamation District No. 1602 Del Puerto**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	04/02/2020 04/02/2020	Corey Fujitani

LM Start	<b>5.90</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>5.90</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.432756 °	37.432756 °	
			-121.026147 °	-121.026147 °	
DWR ID	DWR_RD1602_01_f_2019_38				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1602\_110\_38\_20200225\_00020.jpg



View of a tree growing on the waterside slope. (Fall 2019)

LM Start	<b>6.13</b>	Rating **	U	Issue No.	<b>86</b>
LM End	<b>6.13</b>	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.430181 °	37.430181 °	
			-121.028679 °	-121.028679 °	
DWR ID	DWR_RD1602_01_s_2020_86				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus blocking view of waterward slope.					

Photo 1 of 2 : SP\_2020\_RD1602\_110\_86\_20200225\_00049.jpg



Looking at dense cactus growth on the waterside slope. (Fall 2019)

LM Start	<b>6.13</b>	Rating **	U	Issue No.	<b>86 (cont)</b>
LM End	<b>6.13</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2020\_RD1602\_110\_86\_20200225\_00050.jpg



Looking south at dense cactus on waterward 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	<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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