

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2016 Levee Inspection Results

Reclamation District No. 1001 Nicolaus

	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 2016 Levee Inspection Results

Reclamation District No. 1001 Nicolaus

Waterway		Bank	Unit Miles
Unit No. 01 Yankee Slough		Right	4.12

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/25/2016 - 3/25/2016			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

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 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD1001_01_s_2012_1				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies on hand at their district office.					

No Photos

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD1001_01_s_2012_2				
Comment Code					
Inspector Comment					
The LMA participates in the flood fight class put on by RD784 and DWR annually.					

No Photos

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD1001_01_s_2012_3				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M manuals at the district office.					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start	0.12	Rating **	M	Issue No.	18
LM End	3.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.979113 °	38.966559 °	
			-121.471702 °	-121.532844 °	
DWR ID	DWR_RD1001_01_s_2016_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.19	Rating **	M	Issue No.	12
LM End	0.19	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.978248 °	38.978248 °	
			-121.472628 °	-121.472628 °	
DWR ID	DWR_RD1001_01_f_2013_12				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_36_12_20160307_00008.jpg



This photo was taken from the levee crown facing east looking down the waterward slope at prunings stacked up at the toe. Fall 2014.

LM Start	0.40	Rating **	M	Issue No.	9
LM End	0.40	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.975966 °	38.975966 °	
			-121.475003 °	-121.475003 °	
DWR ID	DWR_RD1001_01_f_2013_9				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start	0.42	Rating **	M	Issue No.	16
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.975784 °	38.975784 °	
			-121.475332 °	-121.475332 °	
DWR ID	DWR_RD1001_01_s_2015_16				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_36_16_20160404_00014.jpg



Concrete debris on landside slope looking downstream.

LM Start	0.59	Rating **	M	Issue No.	14
LM End	0.59	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.975115 °	38.975115 °	
			-121.478247 °	-121.478247 °	
DWR ID	DWR_RD1001_01_f_2015_14				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_36_14_20160307_00009.jpg



View of the prunings at the landside levee toe Fall 2015.

LM Start	0.59	Rating **	M	Issue No.	14 (cont)
LM End	0.59	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD1001_36_14_20160404_00013.jpg



View of pruning after burning Spring 2016.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start	0.95	Rating **	U	Issue No.	15
LM End	0.95	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.974569 °	38.974569 °	
			-121.484815 °	-121.484815 °	
DWR ID	DWR_RD1001_01_s_2012_15				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_36_15_20160307_00010.jpg



View of the landscaping on the landside levee slope.

LM Start	1.29	Rating **	M	Issue No.	7
LM End	1.29	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.972655 °	38.972655 °	
			-121.490643 °	-121.490643 °	
DWR ID	DWR_RD1001_01_f_2014_7				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_36_7_20160307_00005.jpg



This photo was taken from the levee crown facing east looking down the landward slope at prunings stacked up at the toe. Fall 2014.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start	1.53	Rating **	M	Issue No.	21
LM End	1.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.970622 °	38.970622 °
				-121.494171 °	-121.494171 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42016 DS_ID:22526 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation should be removed. FIELD_STRUCT_DESC: 36-inch standpipe at the landward toe, service pole at the landward toe. FS Date: 5/22/2013					

No Photos

LM Start	2.01	Rating **	M	Issue No.	6
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.971098 °	38.971098 °
				-121.502892 °	-121.502892 °
DWR ID	DWR_RD1001_01_f_2014_6				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_36_6_20160307_00004.jpg



This photo was taken from the levee crown facing east looking down the landward slope at prunings stacked up at the toe. Fall 2014.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start	2.02	Rating **	M	Issue No.	20
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.971084 °	38.968506 °	
			-121.503043 °	-121.509571 °	
DWR ID	DWR_RD1001_01_s_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.75	Rating **	N	Issue No.	10
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.968376 °	38.968376 °	
			-121.515626 °	-121.515626 °	
DWR ID	DWR_RD1001_01_f_2015_10				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.09	Rating **	M	Issue No.	19
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.965660 °	38.965660 °	
			-121.520548 °	-121.520548 °	
DWR ID	DWR_RD1001_01_s_2016_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_36_19_20160404_00012.jpg



View of tree that need limbs trimmed.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start	3.12	Rating **	M	Issue No.	5
LM End	3.17	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.965663 °	38.965705 °	
			-121.521023 °	-121.522098 °	
DWR ID	DWR_RD1001_01_s_2012_5				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_36_5_20160307_00002.jpg



Unit 1 Landscaping on levee slope. L/S

LM Start	3.12	Rating **	M	Issue No.	5 (cont)
LM End	3.17	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD1001_36_5_20160307_00003.jpg



View of landscaping on landside slope.

LM Start	3.19	Rating **	U	Issue No.	8
LM End	3.19	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.965694 °	38.965694 °	
			-121.522424 °	-121.522424 °	
DWR ID	DWR_RD1001_01_f_2015_8				
Comment Code					
BU : Building					
Inspector Comment					
Remove debris and building to allow visibility and access to landside levee toe.					

Photo 1 of 1 : SP_2016_RD1001_36_8_20160307_00006.jpg



View of the shed at the landside levee toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/25/2016 03/25/2016	Sterling York

LM Start	3.21	Rating **	U	Issue No.	4
LM End	3.21	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.965699 °	38.965699 °	
			-121.522790 °	-121.522790 °	
DWR ID	DWR_RD1001_01_f_2015_4				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_36_4_20160307_00001.jpg



View of the landscaping at the landside levee toe.

LM Start	3.31	Rating **	C	Issue No.	11
LM End	3.31	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.965565 °	38.965565 °	
			-121.524574 °	-121.524574 °	
DWR ID	DWR_RD1001_01_s_2015_11				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles
Unit No. 02 Yankee Slough	Left	3.65

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/25/2016 - 3/25/2016			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

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 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	0.01	Rating **	M	Issue No.	17
LM End	3.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.971332 °	38.965771 °	
			-121.474020 °	-121.533511 °	
DWR ID	DWR_RD1001_02_s_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	M	Issue No.	15
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.971333 °	38.970016 °	
			-121.474024 °	-121.498045 °	
DWR ID	DWR_RD1001_02_s_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	0.24	Rating **	M	Issue No.	55
LM End	0.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.974103 °	38.974103 °
				-121.475948 °	-121.475948 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41673 DS_ID:22536 EP_NO: 5562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. WS pipe plugged with stopper. Seems abandoned. Only abandoned pump base found. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 3.5 feet below the crown, pump (removed) and pump base on the waterward berm, siphon breaker on the landward shoulder, pipe discharges into underground irrigation system on the landward side. Power pole and meter box 10 feet from the landward toe, 1-1/2-inch flexible conduit through levee, 3.5 feet below crown (Permit No. 5562, 1966) FS Date: 5/23/2013					

Photo 1 of 2 : UCIP_SP_2016_41673_22745.jpg



Levee Crown: dense vegetation on levee crown and sides.

LM Start	0.24	Rating **	M	Issue No.	55 (cont)
LM End	0.24	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_41673_22744.jpg



WS- plugged pipe and pump base.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	0.27	Rating **	A/W	Issue No.	4
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.974323 °	38.974323 °
				-121.476442 °	-121.476442 °
DWR ID	DWR_RD1001_02_f_2014_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There was an animal hole on waterward levee slope near the crown. Hole was approximately 1' in diameter and 8" deep but has been repaired, Spring 2016. This area should still be monitored for further animal activity.					

LM Start	0.27	Rating **	A/W	Issue No.	4 (cont)
LM End	0.27	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_RD1001_35_4_20160307_00001.jpg



This photo was taken from the levee crown facing east looking down the waterward slope at an animal burrow. Fall 2014.

Photo 2 of 2 : SP_2016_RD1001_35_4_20160307_00002.jpg



Another picture of the animal burrow. Fall 2014.

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

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Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	0.47	Rating **	U	Issue No.	53
LM End	0.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.974329 °	38.974329 °
				-121.480043 °	-121.480043 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:13847 DS_ID:22529 EP_NO: 2281 Repair Type: Urgent Crossing Status: Found UCIP Comments: - leaky pipe end and erosion on WS.- cracked dirt mound on LS - seems not been used for some time. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 1.9 feet below the crown, portable pump mounted on the bank during the summer months, control valve on the waterward side, steel plate bolted on the waterward end during the winter months, the pipe discharges into a 30-inch concrete standpipe at the landward toe (Permit No. 2281, 1956) FS Date: 5/23/2013					

Photo 1 of 2 : UCIP_SP_2016_13847_22753.jpg



WS- end of the pipe.

LM Start	0.47	Rating **	U	Issue No.	53 (cont)
LM End	0.47	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_13847_22752.jpg



WS- seems abandoned or not been used for some time.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	0.63	Rating **	M	Issue No.	16
LM End	0.63	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.974198 °	38.974198 °	
			-121.483150 °	-121.483150 °	
DWR ID	DWR_RD1001_02_s_2012_16				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_16_20160307_00008.jpg



View of the landscaping at the landside levee toe.

LM Start	0.78	Rating **	M	Issue No.	7
LM End	0.78	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.973605 °	38.973605 °	
			-121.485728 °	-121.485728 °	
DWR ID	DWR_RD1001_02_s_2012_7				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_7_20160404_00022.jpg



Prunings at landside toe.

LM Start	1.11	Rating **	M	Issue No.	8
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.971547 °	38.971547 °	
			-121.490968 °	-121.490968 °	
DWR ID	DWR_RD1001_02_s_2015_8				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	1.20	Rating **	M	Issue No.	9
LM End	1.20	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.970712 °	38.970712 °	
			-121.492348 °	-121.492348 °	
DWR ID	DWR_RD1001_02_f_2013_9				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_9_20160307_00004.jpg



View of the prunings at the landside levee toe.

LM Start	1.31	Rating **	M	Issue No.	12
LM End	1.31	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.969830 °	38.969830 °	
			-121.493994 °	-121.493994 °	
DWR ID	DWR_RD1001_02_s_2015_12				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_12_20160307_00007.jpg



View of the material on the waterside of the levee from the crown.

LM Start	1.33	Rating **	M	Issue No.	1
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.969740 °	38.969640 °	
			-121.494327 °	-121.494829 °	
DWR ID	DWR_RD1001_02_s_2016_1				
Comment Code					
Inspector Comment					
2011 - New erosion site. Steep eroding slope. Fairly old scarp with vegetation growth. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YAS_1-7_L]					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	1.71	Rating **	M	Issue No.	18
LM End	1.71	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.970264 °	38.970264 °	
			-121.501343 °	-121.501343 °	
DWR ID	DWR_RD1001_02_s_2016_18				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_18_20160404_00021.jpg



Shed at landside toe.

LM Start	1.74	Rating **	U	Issue No.	10
LM End	1.74	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.970353 °	38.970353 °	
			-121.501935 °	-121.501935 °	
DWR ID	DWR_RD1001_02_s_2012_10				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_10_20160307_00005.jpg



RD 1001 Unit 2 - L/S -Landscaping - Trees

LM Start	1.75	Rating **	U	Issue No.	11
LM End	1.75	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.970347 °	38.970347 °	
			-121.502027 °	-121.502027 °	
DWR ID	DWR_RD1001_02_s_2012_11				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_11_20160307_00006.jpg



RD 1001 Unit 2 - L/S -Building @ toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	1.76	Rating **	A/W	Issue No.	5
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.970265 °	38.970265 °	
			-121.502348 °	-121.502348 °	
DWR ID	DWR_RD1001_02_f_2015_5				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	1.88	Rating **	N	Issue No.	6
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.969489 °	38.969489 °	
			-121.504155 °	-121.504155 °	
DWR ID	DWR_RD1001_02_f_2015_6				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.89	Rating **	N	Issue No.	13
LM End	1.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.969423 °	38.969423 °	
			-121.504225 °	-121.504225 °	
DWR ID	DWR_RD1001_02_f_2015_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	2.28	Rating **	M	Issue No.	52
LM End	2.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.967402 °	38.967515 °
				-121.510850 °	-121.515270 °
DWR ID	DWR_RD1001_02_s_2012_52				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_35_52_20160307_00009.jpg



RD 1001 Unit 2 - L/S - Drainage Ditch @ toe.

LM Start	2.28	Rating **	M	Issue No.	54
LM End	2.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.967403 °	38.967403 °
				-121.510953 °	-121.510953 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14008 DS_ID:22543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate in inlet pipe on landside - pits on pipe due to corrosion FIELD_STRUCT_DESC: 36-inch corrugated-metal drainage pipe through the levee, 15.0 feet below the crown, concrete-U headwall and flap gate at outfall on the waterward end and slide gate on landside inlet (R.D. No. 1001). O&M Manual Sac 141, August 1955. FS Date: 5/23/2013					

Photo 1 of 2 : UCIP_SP_2016_14008_23108.jpg



WS- overview of waterside of the levee.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	2.28	Rating **	M	Issue No.	54 (cont)
LM End	2.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.967403 °	38.967403 °
				-121.510953 °	-121.510953 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14008 DS_ID:22543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate in inlet pipe on landside - pits on pipe due to corrosion FIELD_STRUCT_DESC: 36-inch corrugated-metal drainage pipe through the levee, 15.0 feet below the crown, concrete-U headwall and flap gate at outfall on the waterward end and slide gate on landside inlet (R.D. No. 1001). O&M Manual Sac 141, August 1955. FS Date: 5/23/2013					

Photo 2 of 2 : UCIP_SP_2016_14008_23107.jpg



WS- outfall pipe with flap gate in concrete wing wall.

LM Start	2.53	Rating **	M	Issue No.	19
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.967477 °	38.965770 °
				-121.515579 °	-121.533511 °
DWR ID	DWR_RD1001_02_s_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/25/2016 03/25/2016	Sterling York

LM Start	3.08	Rating **	U	Issue No.	20
LM End	3.08	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.964849 °	38.964849 °	
			-121.524123 °	-121.524123 °	
DWR ID	DWR_RD1001_02_s_2016_20				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Reclamation District No. 1001 Nicolaus

Waterway		Bank	Unit Miles
Unit No. 03 Bear River		Left	12.58

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/25/2016 - 3/25/2016			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

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 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	0.05	Rating **	M	Issue No.	16
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.006602 °	38.992066 °	
			-121.375968 °	-121.433237 °	
DWR ID	DWR_RD1001_03_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.05	Rating **	M	Issue No.	18
LM End	3.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.006602 °	38.992066 °	
			-121.375968 °	-121.433237 °	
DWR ID	DWR_RD1001_03_s_2016_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	0.11	Rating **	A/W	Issue No.	2
LM End	0.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.006569 °	39.006569 °	
			-121.377037 °	-121.377037 °	
DWR ID	DWR_RD1001_03_f_2013_2				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Rutting caused by vehicles driving up the landward levee slope.					

LM Start	0.11	Rating **	A/W	Issue No.	2 (cont)
LM End	0.11	Issue Type +	Ma	Location *	CR

Photo 1 of 2 : SP_2016_RD1001_37_2_20160307_00002.jpg



This photo was taken from the crown of the levee facing west looking down the slope at rutting caused by vehicles driving up the landward levee slope.

Photo 2 of 2 : SP_2016_RD1001_37_2_20160307_00003.jpg



View of the rutting on the landside of the levee facing upstream.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	0.14	Rating **	M	Issue No.	23
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.006351 °	39.006351 °
				-121.377313 °	-121.377313 °
DWR ID	DWR_RD1001_03_s_2015_23				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_23_20160307_00011.jpg



View of the rutting on the landside of the levee from the toe facing downstream.

LM Start	0.88	Rating **	M	Issue No.	911
LM End	0.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006508 °	39.006508 °
				-121.391086 °	-121.391086 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14128 DS_ID:22549 EP_NO: 958 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate on WS not found- needs abandoned properly. FIELD_STRUCT_DESC: Abandoned 24-inch irrigation pipe through the levee.(Permit No. 958, 1944) FS Date: 5/21/2013					

Photo 1 of 2 : UCIP_SP_2016_14128_23308.jpg



WS- abandoned CMP on berm of the levee.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	0.88	Rating **	M	Issue No.	911 (cont)
LM End	0.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006508 °	39.006508 °
				-121.391086 °	-121.391086 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14128 DS_ID:22549 EP_NO: 958 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate on WS not found- needs abandoned properly. FIELD_STRUCT_DESC: Abandoned 24-inch irrigation pipe through the levee.(Permit No. 958, 1944) FS Date: 5/21/2013					

Photo 2 of 2 : UCIP_SP_2016_14128_23307.jpg



WS- abandoned CMP and depression around it.

LM Start	1.16	Rating **	M	Issue No.	3
LM End	1.78	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.005730 °	38.999534 °
				-121.396111 °	-121.404395 °
DWR ID	DWR_RD1001_03_s_2012_3				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_3_20160307_00004.jpg



RD 1001 Unit 3 - Power Poles along W/S shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	1.85	Rating **	U	Issue No.	669
LM End	1.85	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.998811 °	38.998811 °	
			-121.405285 °	-121.405285 °	
DWR ID	DWR_RD1001_03_s_2014_669				
Comment Code					
PI : Pipe					
Inspector Comment					
2 pipes within 1 30" pipe through the levee.					

LM Start	1.85	Rating **	U	Issue No.	669 (cont)
LM End	1.85	Issue Type +	En	Location *	WS

Photo 1 of 2 : SP_2016_RD1001_37_669_20160307_00021.jpg



This photo shows a pipe within a pipe on the on the waterward side of the levee. Spring 2014.

Photo 2 of 2 : SP_2016_RD1001_37_669_20160307_00022.jpg



This photo shows a pipe within a pipe on the on the landward side of the levee. Spring 2014.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	1.85	Rating **	M	Issue No.	913
LM End	1.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998780 °	38.998780 °
				-121.405322 °	-121.405322 °
DWR ID					

Comment Code					

Inspector Comment					
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FS_ID:41727
 DS_ID:22561
 EP_NO: 4505
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Two small steel pipes sleeved through 30-inch CMP may be a compliance issue as slidegate cannot close.- this may have been converted into drainage pipe (?)- big CMP standpipe on WS.
 FIELD_STRUCT_DESC: 30-inch concrete-encased corrugated-metal irrigation pipe through the levee, 11.0 feet below the crown, concrete headwall at the waterward toe, metal walkway on the waterward side to the slide gate, pipe discharges into a 48-inch concrete standpipe at the landward toe, two vertical pumps (Permit No. 4505, 1964). O&M Manual Sac 141.1, August 1955.
 FS Date: 5/21/2013

LM Start	1.85	Rating **	M	Issue No.	913 (cont)
LM End	1.85	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_41727_23325.jpg



WS- steel walkway, CMP and concrete headwall

Photo 2 of 2 : UCIP_SP_2016_41727_23324.jpg



WS- CMP standpipe, pipes and concrete headwall.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	1.87	Rating **	A/W	Issue No.	28
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.998608 °	38.998608 °
				-121.405570 °	-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_37_28_20160307_00013.jpg



Damage caused by vehicles Spring 2013

LM Start	1.87	Rating **	A/W	Issue No.	28 (cont)
LM End	1.87	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_RD1001_37_28_20160307_00014.jpg



Damage caused by vehicles. Spring 2013

LM Start	1.87	Rating **	A/W	Issue No.	29
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.998608 °	38.998608 °
				-121.405570 °	-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_37_29_20160307_00015.jpg



Damage caused by vehicles going around the gate. Spring 2013

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	1.87	Rating **	A/W	Issue No.	29 (cont)
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.998608 °	38.998608 °
				-121.405570 °	-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 2 of 2 : SP_2016_RD1001_37_29_20160307_00016.jpg



Damage caused by vehicles. Spring 2013

LM Start	2.28	Rating **	A/W	Issue No.	30
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.996302 °	38.996302 °
				-121.412285 °	-121.412285 °
DWR ID	DWR_RD1001_03_s_2013_30				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_30_20160307_00017.jpg



Damage caused by vehicles. Spring 2013

LM Start	2.41	Rating **	A/W	Issue No.	33
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.995895 °	38.995895 °
				-121.414622 °	-121.414622 °
DWR ID	DWR_RD1001_03_s_2015_33				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	2.59	Rating **	M	Issue No.	912 (cont)
LM End	2.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995584 °	38.995584 °
				-121.417982 °	-121.417982 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41722 DS_ID:22562 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify pipe has been abandoned properly.- pump mounted on the riverbank not found, - butterfly valve in a 30-inch concrete riser at the waterward toe not found,- concrete box on landside not found- a big tree inside concrete standpipe on landside found. FIELD_STRUCT_DESC: Abandoned 22-inch steel pipe through the levee, 18.3 feet below the crown, pump mounted on the riverbank, butterfly valve in a 30-inch concrete riser at the waterward toe, pipe discharges into a concrete box and concrete standpipe on the landward side, steel plate bolted on the waterward end of the pipe during the winter months (California Packing Co.) FS Date: 5/21/2013					

Photo 2 of 2 : UCIP_SP_2016_41722_23337.jpg



LS- a big tree inside concrete standpipe.

LM Start	2.59	Rating **	A/W	Issue No.	36
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.995583 °	38.995583 °
				-121.417995 °	-121.417995 °
DWR ID	DWR_RD1001_03_s_2015_36				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	2.76	Rating **	M	Issue No.	5
LM End	2.76	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.994999 °	38.994999 °	
			-121.421047 °	-121.421047 °	
DWR ID	DWR_RD1001_03_f_2015_5				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_5_20160307_00006.jpg



View of the prunings at the landside levee toe.

LM Start	2.76	Rating **	M	Issue No.	37
LM End	2.76	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.994983 °	38.994983 °	
			-121.421069 °	-121.421069 °	
DWR ID	DWR_RD1001_03_s_2015_37				
Comment Code					
PI : Pipe					
Inspector Comment					
Irrigation pipe piled up at levee toe.					

No Photos

LM Start	2.96	Rating **	M	Issue No.	42
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.994157 °	38.994157 °	
			-121.424520 °	-121.424520 °	
DWR ID	DWR_RD1001_03_f_2013_42				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	3.52	Rating **	M	Issue No.	906
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.991745 °	38.991745 °	
			-121.434398 °	-121.434398 °	
DWR ID	DWR_RD1001_03_s_2012_906				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.55	Rating **	M	Issue No.	21
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.991454 °	38.991217 °	
			-121.435031 °	-121.436057 °	
DWR ID	DWR_RD1001_03_s_2016_21				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_21_20160404_00033.jpg



Erosion on waterside slope.

LM Start	3.62	Rating **	M	Issue No.	41
LM End	3.72	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.991212 °	38.991208 °	
			-121.436158 °	-121.437995 °	
DWR ID	DWR_RD1001_03_s_2015_41				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	3.68	Rating **	M	Issue No.	24
LM End	4.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.991200 °	38.991822 °	
			-121.437283 °	-121.452422 °	
DWR ID	DWR_RD1001_03_s_2016_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_24_20160404_00034.jpg



View of vegetation on landside slope.

LM Start	3.82	Rating **	M	Issue No.	35
LM End	3.82	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.991208 °	38.991208 °	
			-121.439943 °	-121.439943 °	
DWR ID	DWR_RD1001_03_s_2013_35				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_35_20160307_00018.jpg



Firewood piled up at the levee toe. Spring 2013

LM Start	4.03	Rating **	M	Issue No.	7
LM End	4.09	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.991299 °	38.991413 °	
			-121.443830 °	-121.444865 °	
DWR ID	DWR_RD1001_03_s_2012_7				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_7_20160307_00007.jpg



Irrigation pipe equipment and plastic cans within the easement of the levee. Spring 2013

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	4.46	Rating **	M	Issue No.	9
LM End	4.46	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.991867 °	38.991867 °	
			-121.451743 °	-121.451743 °	
DWR ID	DWR_RD1001_03_s_2013_9				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_9_20160307_00008.jpg



Drip irrigation tubing within the easement of the levee. Spring 2013

LM Start	4.65	Rating **	M	Issue No.	58
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.991513 °	38.991513 °	
			-121.455220 °	-121.455220 °	
DWR ID	DWR_RD1001_03_s_2012_58				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.69	Rating **	M	Issue No.	12
LM End	4.69	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.991413 °	38.991413 °	
			-121.455866 °	-121.455866 °	
DWR ID	DWR_RD1001_03_s_2012_12				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	4.82	Rating **	M	Issue No.	910
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.990773 °	38.990773 °	
			-121.458203 °	-121.458203 °	
DWR ID	DWR_RD1001_03_s_2012_910				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_910_20160307_00023.jpg



RD 1001 Unit 3 - L/S slope -Elderberries

LM Start	4.86	Rating **	M	Issue No.	32
LM End	5.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.990524 °	38.988374 °	
			-121.458838 °	-121.466025 °	
DWR ID	DWR_RD1001_03_s_2016_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.86	Rating **	M	Issue No.	31
LM End	12.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.990524 °	38.941398 °	
			-121.458838 °	-121.567436 °	
DWR ID	DWR_RD1001_03_s_2016_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	5.64	Rating **	M	Issue No.	43
LM End	5.64	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.986637 °	38.986637 °	
			-121.472467 °	-121.472467 °	
DWR ID	DWR_RD1001_03_s_2016_43				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	6.47	Rating **	M	Issue No.	38
LM End	6.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.984010 °	38.983955 °	
			-121.487420 °	-121.488083 °	
DWR ID	DWR_RD1001_03_s_2013_38				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_38_20160307_00019.jpg



Erosion caused by run off from the roadway. Spring 2013

LM Start	6.50	Rating **	M	Issue No.	44
LM End	12.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.983957 °	38.941399 °	
			-121.487984 °	-121.567437 °	
DWR ID	DWR_RD1001_03_s_2016_44				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	6.85	Rating **	M	Issue No.	39
LM End	6.85	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.983328 °	38.983328 °	
			-121.494400 °	-121.494400 °	
DWR ID	DWR_RD1001_03_s_2013_39				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_39_20160307_00020.jpg



Walnut stumps within the easement of the levee. Spring 2013

LM Start	7.07	Rating **	M	Issue No.	46
LM End	7.07	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.982850 °	38.982850 °	
			-121.498516 °	-121.498516 °	
DWR ID	DWR_RD1001_03_s_2016_46				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_46_20160404_00035.jpg



Prunings at landside toe.

LM Start	7.22	Rating **	M	Issue No.	17
LM End	7.31	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.982737 °	38.982572 °	
			-121.501144 °	-121.502797 °	
DWR ID	DWR_RD1001_03_s_2016_17				
Comment Code					
Inspector Comment					
2008 - Sandy/silty banks with rotational slab failures creating near vertical bank with pop-outs due to tree failures. Narrow berm. 2015: Last observed in 2013. [2015 Site ID: BER_5-7_L]					

Photo 1 of 1 : SP_2016_RD1001_37_17_20160307_00010.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	7.54	Rating **	M	Issue No.	45
LM End	7.54	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.981824 °	38.981824 °	
			-121.507072 °	-121.507072 °	
DWR ID	DWR_RD1001_03_s_2015_45				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_45_20160404_00036.jpg



PVC pipe and debris at landside toe.

LM Start	9.22	Rating **	M	Issue No.	8
LM End	9.34	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.970024 °	38.970719 °	
			-121.531848 °	-121.533859 °	
DWR ID	DWR_RD1001_03_f_2015_8				
Comment Code					
PI : Pipe					
Inspector Comment					
Large CM pipe laying on the waterside slope.					

Photo 1 of 1 : SP_2016_RD1001_37_8_20160404_00037.jpg



View of large CM pipe lying on the waterside toe.

LM Start	10.36	Rating **	M	Issue No.	10
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.964583 °	38.964010 °	
			-121.544967 °	-121.545228 °	
DWR ID	DWR_RD1001_03_s_2016_10				
Comment Code					
Inspector Comment					
2011 - Large section of bank has slumped off. RD has flagged and appears to be watching. 2012 - Slopes slightly steeper. 2013 - Minor new erosion observed. 2015: Last observed in 2013. [2015 Site ID: BER_2-5_L]					

Photo 1 of 1 : SP_2016_RD1001_37_10_20160307_00009.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	10.49	Rating **	M	Issue No.	11
LM End	10.49	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.962770 °	38.962770 °	
			-121.545741 °	-121.545741 °	
DWR ID	DWR_RD1001_03_f_2015_11				
Comment Code					
BU : Building					
Inspector Comment					

No Photos

LM Start	10.58	Rating **	A/W	Issue No.	47
LM End	10.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.961602 °	38.961602 °	
			-121.546464 °	-121.546464 °	
DWR ID	DWR_RD1001_03_s_2015_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	10.75	Rating **	A/W	Issue No.	50
LM End	10.96	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.959066 °	38.956212 °	
			-121.546964 °	-121.547953 °	
DWR ID	DWR_RD1001_03_f_2013_50				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	11.08	Rating **	M	Issue No.	1
LM End	11.16	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.955070 °	38.954227 °	
			-121.549528 °	-121.550592 °	
DWR ID	DWR_RD1001_03_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Large slumped sections of bank. 2012 - Slopes slightly steeper. 2015: Last observed in 2013. [2015 Site ID: BER_1-9_L]					

Photo 1 of 1 : SP_2016_RD1001_37_1_20160307_00001.jpg



USACE 2013 Photo #1

LM Start	11.15	Rating **	M	Issue No.	6
LM End	11.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.954167 °	38.954167 °	
			-121.550304 °	-121.550304 °	
DWR ID	DWR_RD1001_03_s_2016_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_6_20160404_00038.jpg



View of wild growth at landside toe.

LM Start	11.23	Rating **	M	Issue No.	22
LM End	11.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.953367 °	38.953025 °	
			-121.551428 °	-121.551808 °	
DWR ID	DWR_RD1001_03_s_2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	11.59	Rating **	A/W	Issue No.	25
LM End	11.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.951302 °	38.950960 °	
			-121.556872 °	-121.560717 °	
DWR ID	DWR_RD1001_03_s_2013_25				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_37_25_20160307_00012.jpg



Revegetation site in progress. Spring 2013

LM Start	11.84	Rating **	A/W	Issue No.	52
LM End	11.84	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.950478 °	38.950478 °	
			-121.561227 °	-121.561227 °	
DWR ID	DWR_RD1001_03_f_2013_52				
Comment Code					
BU : Building					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/25/2016 03/25/2016	Sterling York

LM Start	12.07	Rating **	M	Issue No.	4
LM End	12.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.947591 °	38.946477 °
				-121.563390 °	-121.564094 °
DWR ID	DWR_RD1001_03_s_2016_4				
Comment Code					
Inspector Comment					
2006 - Multiple rotational failures in the berm. Erosion is into the levee toe and lower slope. Tension cracks extensive at top of bank. Cohesive toe creates a bench on which failures occur. 2007 - Still steep bank with some berm with pistol-butted reeds. 2012 - Site extended upstream due to additional slumping. Slopes slightly steeper. 2015: Last observed in 2013. [2015 Site ID: BER_0-8_L]					

Photo 1 of 1 : SP_2016_RD1001_37_4_20160307_00005.jpg



USACE 2013 Photo #1

LM Start	12.18	Rating **	M	Issue No.	27
LM End	12.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.946248 °	38.946248 °
				-121.564220 °	-121.564220 °
DWR ID	DWR_RD1001_03_s_2012_27				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles
Unit No. 04 Feather River	Left	13.27

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/25/2016 - 3/30/2016			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

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 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	0.00	Rating **	M	Issue No.	61
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.941122°	38.938875°	
			-121.567554°	-121.567750°	
DWR ID	DWR_RD1001_04_s_2016_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	62
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.941125°	38.938874°	
			-121.567555°	-121.567750°	
DWR ID	DWR_RD1001_04_s_2016_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.18	Rating **	M	Issue No.	63
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.938534°	38.938534°	
			-121.567729°	-121.567729°	
DWR ID	DWR_RD1001_04_s_2016_63				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_63_20160404_00043.jpg



Landside slope erosion caused by vehicles.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	0.37	Rating **	M	Issue No.	64
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.935903 °	38.935903 °	
			-121.567250 °	-121.567250 °	
DWR ID	DWR_RD1001_04_s_2016_64				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_64_20160404_00044.jpg



Livestock trail cut into landside slope.

LM Start	0.39	Rating **	A/W	Issue No.	16
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.935519 °	38.935519 °	
			-121.567042 °	-121.567042 °	
DWR ID	DWR_RD1001_04_f_2015_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.39	Rating **	M	Issue No.	65
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.935517 °	38.935517 °	
			-121.567026 °	-121.567026 °	
DWR ID	DWR_RD1001_04_s_2016_65				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	0.51	Rating **	N	Issue No.	21
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.933796 °	38.933796 °	
			-121.567047 °	-121.567047 °	
DWR ID	DWR_RD1001_04_f_2015_21				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.55	Rating **	M	Issue No.	66
LM End	1.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.933334 °	38.926948 °	
			-121.567067 °	-121.568113 °	
DWR ID	DWR_RD1001_04_s_2016_66				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.55	Rating **	M	Issue No.	67
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.933329 °	38.926948 °	
			-121.567070 °	-121.568110 °	
DWR ID	DWR_RD1001_04_s_2016_67				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	0.55	Rating **	M	Issue No.	68
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.933299 °	38.933299 °	
			-121.567069 °	-121.567069 °	
DWR ID	DWR_RD1001_04_s_2016_68				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.78	Rating **	M	Issue No.	31
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.930026 °	38.930026 °	
			-121.567918 °	-121.567918 °	
DWR ID	DWR_RD1001_04_f_2015_31				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_31_20160307_00018.jpg



View of the tall vegetation at the landside levee toe.

LM Start	1.06	Rating **	N	Issue No.	69
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.926128 °	38.926128 °	
			-121.568241 °	-121.568241 °	
DWR ID	DWR_RD1001_04_s_2016_69				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	2.05	Rating **	A/W	Issue No.	39
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.912664 °	38.912664 °	
			-121.572928 °	-121.572928 °	
DWR ID	DWR_RD1001_04_s_2015_39				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.17	Rating **	M	Issue No.	70
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.911156 °	38.911156 °	
			-121.574031 °	-121.574031 °	
DWR ID	DWR_RD1001_04_s_2016_70				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.27	Rating **	A/W	Issue No.	19
LM End	2.27	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.909790 °	38.909790 °	
			-121.574449 °	-121.574449 °	
DWR ID	DWR_RD1001_04_s_2013_19				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_19_20160307_00011.jpg



Power pole and guy wire on the levee slope. Spring 2013

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	2.41	Rating **	M	Issue No.	72
LM End	2.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.907839 °	38.906066 °	
			-121.575061 °	-121.606831 °	
DWR ID	DWR_RD1001_04_s_2016_72				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.41	Rating **	M	Issue No.	71
LM End	2.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.907839 °	38.906066 °	
			-121.575061 °	-121.576757 °	
DWR ID	DWR_RD1001_04_s_2016_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.44	Rating **	M	Issue No.	32
LM End	2.44	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.907506 °	38.907506 °	
			-121.575390 °	-121.575390 °	
DWR ID	DWR_RD1001_04_f_2015_32				
Comment Code					
FW : Firewood					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	2.44	Rating **	N	Issue No.	33
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.907506 °	38.907506 °
				-121.575390 °	-121.575390 °
DWR ID	DWR_RD1001_04_f_2015_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.44	Rating **	M	Issue No.	35
LM End	2.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.907517 °	38.907517 °
				-121.575391 °	-121.575391 °
DWR ID	DWR_RD1001_04_f_2015_35				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood blocking view of landside toe.					

Photo 1 of 1 : SP_2016_RD1001_38_35_20160307_00019.jpg



View of the firewood at the landside levee toe.

LM Start	2.61	Rating **	M	Issue No.	20
LM End	2.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.905591 °	38.905591 °
				-121.577432 °	-121.577432 °
DWR ID	DWR_RD1001_04_s_2013_20				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_20_20160307_00012.jpg



Buildings along the toe within the easement of the levee. Spring 2013

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	2.68	Rating **	M	Issue No.	157
LM End	2.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.905089 °	38.905089 °
				-121.578477 °	-121.578477 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41987 DS_ID:22568 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Dense vegetation on slopes should be cleared. FIELD_STRUCT_DESC: 4-inch steel swimming-pool drainage pipe through the levee, 3.0 feet below the crown, open on waterward end (Nate Wise) Swimming pool on LS toe. FS Date: 5/16/2013					

Photo 1 of 1 : UCIP_SP_2016_41987_24126.jpg



LS- only a private swimming pool found.

LM Start	2.76	Rating **	M	Issue No.	34
LM End	2.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.904351 °	38.904351 °
				-121.579718 °	-121.579718 °
DWR ID	DWR_RD1001_04_f_2015_34				
Comment Code					
BU : Building					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	2.79	Rating **	M	Issue No.	74
LM End	3.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.903971 °	38.899182 °	
			-121.579859 °	-121.584924 °	
DWR ID	DWR_RD1001_04_s_2016_74				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.79	Rating **	M	Issue No.	73
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.903965 °	38.899182 °	
			-121.579858 °	-121.584924 °	
DWR ID	DWR_RD1001_04_s_2016_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.10	Rating **	M	Issue No.	75
LM End	4.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.892533 °	38.892533 °	
			-121.598700 °	-121.598700 °	
DWR ID	DWR_RD1001_04_s_2016_75				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_75_20160404_00045.jpg



Landside slope damage caused by a vehicle.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	4.26	Rating **	M	Issue No.	76
LM End	5.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.891391 °	38.872987 °	
			-121.601378 °	-121.615663 °	
DWR ID	DWR_RD1001_04_s_2016_76				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.26	Rating **	M	Issue No.	77
LM End	5.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.891392 °	38.882147 °	
			-121.601379 °	-121.611294 °	
DWR ID	DWR_RD1001_04_s_2016_77				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.22	Rating **	M	Issue No.	78
LM End	5.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.881768 °	38.881768 °	
			-121.611302 °	-121.611302 °	
DWR ID	DWR_RD1001_04_s_2016_78				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_78_20160404_00046.jpg



Ruts on waterside slope due to vehicles.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	5.55	Rating **	M	Issue No.	79
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.877256 °	38.877256 °	
			-121.613073 °	-121.613073 °	
DWR ID	DWR_RD1001_04_s_2016_79				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.71	Rating **	M	Issue No.	27
LM End	5.71	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.874984 °	38.874984 °	
			-121.614242 °	-121.614242 °	
DWR ID	DWR_RD1001_04_s_2015_27				
Comment Code					
PO : Pole					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	5.78	Rating **	M	Issue No.	154
LM End	5.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.874113 °	38.874113 °
				-121.614846 °	-121.614846 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14604 DS_ID:22573 EP_NO: 10389 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - water leakage causes erosion on LS slope - may be pressure breaker valve not closed properly on LS.- a 36-inch concrete standpipe at the landward toe not found. FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee, 10.0 feet below the crown, slant pump on the bank, siphon breaker in a 24-inch corrugated metal pipe riser on the landward slope, pipe discharges into a 36-inch concrete standpipe at the landward toe, pipe installed by the U.S.C.E. in 1963, switch panel and service pole at the landward toe (Permit No. 10389, 1974) FS Date: 5/16/2013					

Photo 1 of 2 : UCIP_SP_2016_14604_24107.jpg



WS- slanted pump station on steel platform on levee berm.

LM Start	5.78	Rating **	M	Issue No.	154 (cont)
LM End	5.78	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14604_24106.jpg



WS- inlet pipe on the river bank.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	5.80	Rating **	M	Issue No.	2
LM End	5.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.874113 °	38.872373 °
				-121.615380 °	-121.616504 °
DWR ID	DWR_RD1001_04_s_2016_2				
Comment Code					
Inspector Comment					
2011 - Erosion pockets from tree popouts. Sections of the lower bank have slumped off. 2013 - Scallop from tree popouts no longer visible on site. Minor new erosion at the middle of the bank. 2015: Fresh erosion from human use. [2015 Site ID: FHR_6-6_L]					

Photo 1 of 1 : SP_2016_RD1001_38_2_20160307_00002.jpg



USACE 2013 Photo #1

LM Start	5.96	Rating **	A/W	Issue No.	40
LM End	5.96	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.871770 °	38.871770 °
				-121.616304 °	-121.616304 °
DWR ID	DWR_RD1001_04_s_2015_40				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

No Photos

LM Start	6.42	Rating **	M	Issue No.	5
LM End	6.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.865875 °	38.864706 °
				-121.619983 °	-121.620813 °
DWR ID	DWR_RD1001_04_s_2016_5				
Comment Code					
Inspector Comment					
2011 - Tall slumping sections. Scour around trees has exposed most of the roots. 2015: Recent large slope failure observed. [2015 Site ID: FHR_6-0_L]					

Photo 1 of 1 : SP_2016_RD1001_38_5_20160307_00005.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	6.42	Rating **	U	Issue No.	17
LM End	6.42	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.865653 °	38.865653 °	
			-121.619742 °	-121.619742 °	
DWR ID	DWR_RD1001_04_s_2012_17				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_38_17_20160307_00009.jpg



Landscaping on the landside shoulder and slope.

LM Start	6.42	Rating **	U	Issue No.	17 (cont)
LM End	6.42	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD1001_38_17_20160307_00010.jpg



Landscaping on the landside shoulder and slope.

LM Start	6.57	Rating **	M	Issue No.	4
LM End	6.77	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.863946 °	38.861558 °	
			-121.621388 °	-121.623316 °	
DWR ID	DWR_RD1001_04_s_2016_4				
Comment Code					
Inspector Comment					
2011 - Large slumped sections on the lower bank. 2012 - New cracks observed. 2015: No observed changes. [2015 Site ID: FHR_5-8_L]					

Photo 1 of 1 : SP_2016_RD1001_38_4_20160307_00004.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	6.80	Rating **	A/W	Issue No.	28
LM End	6.80	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.861071 °	38.861071 °	
			-121.623332 °	-121.623332 °	
DWR ID	DWR_RD1001_04_s_2013_28				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_28_20160307_00015.jpg



Revegetation site. Spring 2013

LM Start	6.81	Rating **	M	Issue No.	84
LM End	6.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.860818 °	38.860818 °	
			-121.623476 °	-121.623476 °	
DWR ID	DWR_RD1001_04_s_2016_84				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	6.87	Rating **	C	Issue No.	18
LM End	6.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.860127 °	38.860127 °	
			-121.624077 °	-121.624077 °	
DWR ID	DWR_RD1001_04_s_2015_18				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	7.41	Rating **	M	Issue No.	43
LM End	7.41	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.853221 °	38.853221 °	
			-121.628469 °	-121.628469 °	
DWR ID	DWR_RD1001_04_f_2013_43				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_43_20160404_00050.jpg



View of vegetation on landside slope, looking downstream.

LM Start	7.47	Rating **	M	Issue No.	8
LM End	7.79	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.852394 °	38.848004 °	
			-121.629231 °	-121.630873 °	
DWR ID	DWR_RD1001_04_s_2016_8				
Comment Code					
Inspector Comment					
2000 - Steep bank off berm with some slumps and fallen trees, continued erosion. 2002 - Site lengthened upstream and downstream due to vertical bank along most of the reach. 2010 - Site extended upstream. 2011 - Minimal new erosion. 2012 - Site extended on the upstream end, new tree pop-out, and bank erosion continues to worsen. 2013 - Minor new erosion at the toe and top of bank. 2015: No observed changes. [2015 Site ID: FHR_5-0_L]					

Photo 1 of 1 : SP_2016_RD1001_38_8_20160307_00008.jpg



USACE 2013 Photo #1

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	7.56	Rating **	M	Issue No.	42
LM End	7.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.851080 °	38.851080 °	
			-121.629217 °	-121.629217 °	
DWR ID	DWR_RD1001_04_s_2015_42				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	7.60	Rating **	M	Issue No.	36
LM End	7.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.850521 °	38.850521 °	
			-121.629423 °	-121.629423 °	
DWR ID	DWR_RD1001_04_f_2015_36				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Ramp has vertical cut into the levee prism.					

No Photos

LM Start	7.66	Rating **	M	Issue No.	56
LM End	7.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.849621 °	38.849621 °	
			-121.629685 °	-121.629685 °	
DWR ID	DWR_RD1001_04_f_2015_56				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Vertical cut into the landside levee slope from the ramp.					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	8.57	Rating **	M	Issue No.	7
LM End	8.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.836966 °	38.831498 °
				-121.634128 °	-121.636371 °
DWR ID	DWR_RD1001_04_s_2016_7				
Comment Code					
Inspector Comment					
2006 - Sandy, silty bank with intermittent pockets of erosion. Rotational failure and tree pop outs are most of the problem. Some upper slope fluvial erosion. 2010 - Site extended upstream. The lower Feather may benefit from a regional repair. 2011 - Site combined with 3.6. Minimal new erosion. 2013 - New erosion observed at bank toe. Trees on site now have exposed roots. 2015: No observed changes. [2015 Site ID: FHR_3-8_L]					

Photo 1 of 1 : SP_2016_RD1001_38_7_20160307_00007.jpg



USACE 2013 Photo #1

LM Start	8.60	Rating **	N	Issue No.	83
LM End	8.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.836398 °	38.836398 °
				-121.633621 °	-121.633621 °
DWR ID	DWR_RD1001_04_s_2016_83				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_83_20160404_00049.jpg



View of tree stump on the landside toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	8.65	Rating **	M	Issue No.	12
LM End	8.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.835766 °	38.834778 °
				-121.633966 °	-121.634316 °
DWR ID	DWR_RD1001_04_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	9.15	Rating **	M	Issue No.	156
LM End	9.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.828893 °	38.828893 °
				-121.637219 °	-121.637219 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14563 DS_ID:22577 EP_NO: 12828 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs detailed investigation for road surface cracks FIELD_STRUCT_DESC: 16-inch asphalt-coated steel irrigation pipe through the levee, 4.3 feet below the crown, 30-horsepower slant pump and platform on the bank (Permit No. 12828, 1979). O&M Manual Sac 141.1, August 1955. FS Date: 5/16/2013					

Photo 1 of 2 : UCIP_SP_2016_14563_24002.jpg



WS- slanted pipe in steel structure on river bank.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	9.15	Rating **	M	Issue No.	156 (cont)
LM End	9.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.828893 °	38.828893 °
				-121.637219 °	-121.637219 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14563 DS_ID:22577 EP_NO: 12828 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs detailed investigation for road surface cracks FIELD_STRUCT_DESC: 16-inch asphalt-coated steel irrigation pipe through the levee, 4.3 feet below the crown, 30-horsepower slant pump and platform on the bank (Permit No. 12828, 1979). O&M Manual Sac 141.1, August 1955. FS Date: 5/16/2013					

Photo 2 of 2 : UCIP_SP_2016_14563_24001.jpg



WS- inlet pipe and main pipe in pump station on river bank.

LM Start	9.44	Rating **	M	Issue No.	153
LM End	9.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.825107 °	38.825107 °
				-121.639369 °	-121.639369 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14544 DS_ID:22592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - seems abandoned pipe crossing.- needs properly abandoned.- a 48" steel tank not found on landside. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5.0 feet below the crown, pump on the bank, pipe discharges into a 48-inch steel tank at the landward toe (Johnston) FS Date: 5/16/2013					

Photo 1 of 2 : UCIP_SP_2016_14544_23966.jpg



WS- damaged pipe with holes, cracks on levee slope. River bank is not visible due to dense vegetation (top)

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	9.44	Rating **	M	Issue No.	153 (cont)
LM End	9.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.825107°	38.825107°
				-121.639369°	-121.639369°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14544 DS_ID:22592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - seems abandoned pipe crossing.- needs properly abandoned.- a 48" steel tank not found on landside. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5.0 feet below the crown, pump on the bank, pipe discharges into a 48-inch steel tank at the landward toe (Johnston) FS Date: 5/16/2013					

Photo 2 of 2 : UCIP_SP_2016_14544_23965.jpg



WS- abandoned damaged pipe with holes, cracks on levee slope.

LM Start	9.44	Rating **	M	Issue No.	45
LM End	9.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.825008°	38.825008°
				-121.639361°	-121.639361°
DWR ID	DWR_RD1001_04_s_2015_45				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	9.52	Rating **	M	Issue No.	80
LM End	9.52	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.823911 °	38.823911 °	
			-121.639869 °	-121.639869 °	
DWR ID	DWR_RD1001_04_s_2016_80				
Comment Code					
PO : Pole					
Inspector Comment					

No Photos

LM Start	9.58	Rating **	M	Issue No.	82
LM End	9.58	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.823049 °	38.823049 °	
			-121.639942 °	-121.639942 °	
DWR ID	DWR_RD1001_04_s_2016_82				
Comment Code					
DE : Debris					
Inspector Comment					
Old fence post pile at landside levee toe.					

No Photos

LM Start	9.61	Rating **	U	Issue No.	37
LM End	9.61	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.822725 °	38.822725 °	
			-121.640018 °	-121.640018 °	
DWR ID	DWR_RD1001_04_f_2015_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_37_20160307_00020.jpg



View of the landscaping at the landside levee toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	9.92	Rating **	M	Issue No.	152
LM End	9.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.818341 °	38.818341 °
				-121.638890 °	-121.638890 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14627 DS_ID:22578 EP_NO: 3297 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs properly abandoned.- dismantled standpipe found on LS levee slope FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.0 feet below the crown, slant pump mounted on a steel structure on the bank, siphon breaker on the landward shoulder, pipe discharges into a 24-inch concrete standpipe at the landward toe (Permit No. 3297, 1960). FS Date: 5/16/2013					

LM Start	9.92	Rating **	M	Issue No.	152 (cont)
LM End	9.92	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_14627_24134.jpg



WS- exposed pipe on levee slope and pump station in river bank.

Photo 2 of 2 : UCIP_SP_2016_14627_24133.jpg



WS- exposed pipe on levee slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	10.14	Rating **	M	Issue No.	158
LM End	10.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.815530 °	38.815530 °
				-121.636918 °	-121.636918 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41723 DS_ID:22572 EP_NO: 1881 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - burried slide gate found on WS slope.- concrete box at the landward toe not found. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 5.0 feet below the crown, slant pump mounted on a pile structure on the bank, gate valve on the waterward slope, siphon breaker on the landward shoulder, pipe discharges into a concrete box at the landward toe (Permit No. 1881, 1954). FS Date: 5/16/2013					

Photo 1 of 2 : UCIP_SP_2016_41723_23977.jpg



WS- slant pump on steel structure in river bank.

LM Start	10.14	Rating **	M	Issue No.	158 (cont)
LM End	10.14	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_41723_23976.jpg



WS- main steel pipe on levee surface (without paint).

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	10.61	Rating **	M	Issue No.	30
LM End	10.61	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.809212 °	38.809212 °	
			-121.633910 °	-121.633910 °	
DWR ID	DWR_RD1001_04_s_2013_30				
Comment Code					
RW : Retaining Wall					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_30_20160307_00017.jpg



A retaining wall is within the profile of the slope. Spring 2013

LM Start	10.61	Rating **	M	Issue No.	29
LM End	10.61	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.809211 °	38.809211 °	
			-121.633910 °	-121.633910 °	
DWR ID	DWR_RD1001_04_s_2013_29				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_29_20160307_00016.jpg



The building is within the easement of the levee. Spring 2013

LM Start	10.72	Rating **	C	Issue No.	47
LM End	10.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.807638 °	38.807638 °	
			-121.633675 °	-121.633675 °	
DWR ID	DWR_RD1001_04_s_2015_47				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	10.88	Rating **	M	Issue No.	48
LM End	10.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.805312°	38.805312°	
			-121.633300°	-121.633300°	
DWR ID	DWR_RD1001_04_s_2015_48				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	11.01	Rating **	M	Issue No.	55
LM End	11.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.803458°	38.803458°	
			-121.632843°	-121.632843°	
DWR ID	DWR_RD1001_04_f_2015_55				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.07	Rating **	M	Issue No.	22
LM End	11.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.802508°	38.802508°	
			-121.632862°	-121.632862°	
DWR ID	DWR_RD1001_04_s_2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	11.09	Rating **	M	Issue No.	81
LM End	11.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.802270 °	38.802270 °	
			-121.632818 °	-121.632818 °	
DWR ID	DWR_RD1001_04_s_2016_81				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	11.10	Rating **	M	Issue No.	49
LM End	11.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.802092 °	38.802092 °	
			-121.632753 °	-121.632753 °	
DWR ID	DWR_RD1001_04_s_2015_49				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	11.13	Rating **	A/W	Issue No.	50
LM End	11.13	Issue Type +	Ob	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.801689 °	38.801689 °	
			-121.632667 °	-121.632667 °	
DWR ID	DWR_RD1001_04_s_2015_50				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	11.18	Rating **	M	Issue No.	6
LM End	11.37	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.800920 °	38.798165 °	
			-121.633050 °	-121.631939 °	
DWR ID	DWR_RD1001_04_s_2016_6				
Comment Code					
Inspector Comment					
2000 - Site is relatively stable except for some toe erosion at the upstream end, recommend monitoring the upstream end. 2004 - Some new block failures (10ft deep) at the toe of the upstream end. 2007 - Some minor new slumping at the waterline. 2013 - Minor new erosion along the bank toe. 2015: No observed changes. [2015 Site ID: FHR_1-0_L]					

Photo 1 of 1 : SP_2016_RD1001_38_6_20160307_00006.jpg



USACE 2013 Photo #1

LM Start	11.20	Rating **	M	Issue No.	51
LM End	11.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.800697 °	38.800697 °	
			-121.632382 °	-121.632382 °	
DWR ID	DWR_RD1001_04_s_2015_51				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	11.24	Rating **	M	Issue No.	23
LM End	11.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.800112°	38.800112°	
			-121.632242°	-121.632242°	
DWR ID	DWR_RD1001_04_s_2012_23				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	11.26	Rating **	M	Issue No.	52
LM End	11.26	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.799820°	38.799820°	
			-121.632070°	-121.632070°	
DWR ID	DWR_RD1001_04_s_2015_52				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	11.28	Rating **	M	Issue No.	41
LM End	11.28	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.799635°	38.799635°	
			-121.631986°	-121.631986°	
DWR ID	DWR_RD1001_04_f_2015_41				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_41_20160307_00021.jpg



View of the material at the landside levee toe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	11.28	Rating **	M	Issue No.	155
LM End	11.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.799561 °	38.799561 °
				-121.631964 °	-121.631964 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14548 DS_ID:22580 EP_NO: 3489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breaker on the landward shoulder not found.- cracked road surface along the pipe alienment. Needs more investigations. FIELD_STRUCT_DESC: 16-inch pipe through the levee, 3.0 feet below the crown, 40-horsepower slant pump mounted on a steel structure on the bank, pipe discharges into a 36-inch concrete standpipe on the landward toe (Permit No. 3489, 1960). FS Date: 5/16/2013					

Photo 1 of 2 : UCIP_SP_2016_14548_23970.jpg



WS- sland pump on river bank.

LM Start	11.28	Rating **	M	Issue No.	155 (cont)
LM End	11.28	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14548_23969.jpg



Levee Crown- surface crack along pipe crossing. Needs more investigation.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	11.38	Rating **	C	Issue No.	53
LM End	11.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.798294 °	38.798294 °
				-121.631328 °	-121.631328 °
DWR ID	DWR_RD1001_04_s_2015_53				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	11.59	Rating **	M	Issue No.	1
LM End	11.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.795455 °	38.793394 °
				-121.629903 °	-121.628156 °
DWR ID	DWR_RD1001_04_s_2016_1				
Comment Code					
Inspector Comment					
1997- Deposits over top of cobble on the upper slope. 2000 - Old cobble site in poor shape; some toe retreat, but little change; steep bank. 2010 - Site extended upstream due to new toe erosion. 2012 - Minor new erosion at toe, new slumping, animals holes and cracks observed. 2015: No observed changes. [2015 Site ID: FHR_0-6_L]					

Photo 1 of 1 : SP_2016_RD1001_38_1_20160307_00001.jpg



USACE 2013 Photo #1

LM Start	11.74	Rating **	M	Issue No.	54
LM End	11.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.793770 °	38.793770 °
				-121.627791 °	-121.627791 °
DWR ID	DWR_RD1001_04_s_2015_54				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	11.89	Rating **	U	Issue No.	38
LM End	11.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.792080 °	38.792080 °	
			-121.626195 °	-121.626195 °	
DWR ID	DWR_RD1001_04_f_2015_38				
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_2016_RD1001_38_38_20160404_00048.jpg



View of rodent hole on landside slope.

LM Start	12.32	Rating **	M	Issue No.	24
LM End	12.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.787355 °	38.786507 °	
			-121.621165 °	-121.619837 °	
DWR ID	DWR_RD1001_04_s_2012_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	12.42	Rating **	M	Issue No.	85
LM End	12.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.786506 °	38.784898 °	
			-121.619626 °	-121.616653 °	
DWR ID	DWR_RD1001_04_s_2016_85				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	12.42	Rating **	M	Issue No.	86
LM End	12.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.786503 °	38.784898 °	
			-121.619616 °	-121.616653 °	
DWR ID	DWR_RD1001_04_s_2016_86				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.48	Rating **	U	Issue No.	25
LM End	12.48	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.786073 °	38.786073 °	
			-121.618522 °	-121.618522 °	
DWR ID	DWR_RD1001_04_s_2012_25				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_38_25_20160307_00013.jpg



A short section of the levee has limited access. Spring 2013

LM Start	12.48	Rating **	U	Issue No.	25 (cont)
LM End	12.48	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD1001_38_25_20160307_00014.jpg



A building is at the toe of the levee. Spring 2013

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	12.51	Rating **	A/W	Issue No.	57
LM End	12.51	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.785850 °	38.785850 °	
			-121.618071 °	-121.618071 °	
DWR ID	DWR_RD1001_04_f_2015_57				
Comment Code					
BU : Building					
Inspector Comment					
New construction pending.					

Photo 1 of 1 : SP_2016_RD1001_38_57_20160307_00022.jpg



View of the house pad at the landside levee toe.

LM Start	12.65	Rating **	M	Issue No.	26
LM End	13.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.784513 °	38.781862 °	
			-121.616045 °	-121.607855 °	
DWR ID	DWR_RD1001_04_s_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	12.67	Rating **	M	Issue No.	11
LM End	13.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.784579 °	38.782150 °	
			-121.615689 °	-121.607918 °	
DWR ID	DWR_RD1001_04_f_2013_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/25/2016 03/30/2016	Sterling York

LM Start	12.82	Rating **	M	Issue No.	151
LM End	12.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.783930 °	38.783930 °	
			-121.612952 °	-121.612952 °	
DWR ID	DWR_RD1001_04_s_2012_151				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_38_151_20160307_00023.jpg



Trees need to be trimmed up at least 5 feet. Spring 2013

LM Start	13.13	Rating **	M	Issue No.	58
LM End	13.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.782172 °	38.782172 °	
			-121.607842 °	-121.607842 °	
DWR ID	DWR_RD1001_04_f_2015_58				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Reclamation District No. 1001 Nicolaus

Waterway		Bank	Unit Miles
Unit No. 05 Natomas Cross Canal		Right	5.39

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2016 - 3/30/2016			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

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 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	0.01	Rating **	M	Issue No.	17
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.781358 °	38.822131 °	
			-121.605399 °	-121.544497 °	
DWR ID	DWR_RD1001_05_s_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	M	Issue No.	19
LM End	4.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.781358 °	38.822131 °	
			-121.605399 °	-121.544497 °	
DWR ID	DWR_RD1001_05_s_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.06	Rating **	M	Issue No.	16
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.781999 °	38.781999 °	
			-121.605182 °	-121.605182 °	
DWR ID	DWR_RD1001_05_f_2015_16				
Comment Code					
RW : Retaining Wall					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	0.19	Rating **	M	Issue No.	5
LM End	0.85	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.783758 °	38.791058 °	
			-121.604189 °	-121.596562 °	
DWR ID	DWR_RD1001_05_s_2012_5				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_39_5_20160307_00005.jpg



RD 1001 Unit 5 - L/S Levee Toe - Poles

LM Start	0.19	Rating **	M	Issue No.	5 (cont)
LM End	0.85	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD1001_39_5_20160307_00006.jpg



Poles at the land side toe.

LM Start	0.34	Rating **	M	Issue No.	20
LM End	0.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.785609 °	38.785609 °	
			-121.602750 °	-121.602750 °	
DWR ID	DWR_RD1001_05_s_2016_20				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_39_20_20160404_00031.jpg



Vehicle rut on landside crown.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	0.77	Rating **	U	Issue No.	28
LM End	0.77	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.790374 °	38.790374 °
				-121.597689 °	-121.597689 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43047 DS_ID:22599 EP_NO: 2835A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate not fully closed. FIELD_STRUCT_DESC: 2 of 2: 36-inch and 42-inch steel drainage pipes through the levee, 5.0 feet below the crown, two vertical pumps mounted on a steel structure in the drainage canal on the landward side, metal walkway to the pumps, concrete steps on the landward slope, siphon breakers on the waterward shoulder, flap gates on the waterward end (Permit Nos. 2835 and 2835A, 1958 and 1959) FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_43047_23784.jpg



WS- two siphon breakers covered with steel screen.

LM Start	0.77	Rating **	U	Issue No.	28 (cont)
LM End	0.77	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_43047_23783.jpg



WS- siphon breaker covered with steel screen.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	0.79	Rating **	M	Issue No.	27
LM End	0.79	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.790556°	38.790556°	
			-121.597477°	-121.597477°	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14393 DS_ID:22610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs repair of concrete piers on waterside. Rebar exposed from the pier. Even though this pier is functionally not linked to the pipe, it needs repair. FIELD_STRUCT_DESC: 5 of 8: A 24-inch pipe through levee, 25 ft. below the levee crown. Five 5-foot-by-7-foot concrete tunnels through the levee, 25.0 feet below the crown, one tunnel has a 60-inch pump installed inside and is gated on the waterward end, two 50-inch pipes through the levee, 25.0 feet below the crown, all tunnels and pipes are gated, concrete headwall and railing along the landward side (R.D. No. 1001) FS Date: 5/15/2013					

LM Start	0.79	Rating **	M	Issue No.	27 (cont)
LM End	0.79	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_14393_23697.jpg



Location of pipes and tunnels. 24-inch steel pipe located at 5th from the left.

Photo 2 of 2 : UCIP_SP_2016_14393_23696.jpg



LS- Drainage structure with tunnels, pipes and pump house. Tunnel 1 at far right and tunnel 5 at far left. The pipe is located inside tunnel 3.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	0.84	Rating **	A/W	Issue No.	18
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.794589 °	38.794589 °
				-121.590603 °	-121.590603 °
DWR ID	DWR_RD1001_05_s_2015_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_39_18_20160307_00015.jpg



View of the cracks from erosion on the waterside of the levee facing upstream.

LM Start	1.14	Rating **	M	Issue No.	6
LM End	1.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.793613 °	38.793613 °
				-121.592230 °	-121.592230 °
DWR ID	DWR_RD1001_05_s_2012_6				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 2 : SP_2016_RD1001_39_6_20160307_00007.jpg



Pole on land side shoulder.

LM Start	1.14	Rating **	M	Issue No.	6 (cont)
LM End	1.14	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_RD1001_39_6_20160307_00008.jpg



Pole on land side shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	1.54	Rating **	M	Issue No.	21
LM End	1.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.797132 °	38.797132 °	
			-121.586400 °	-121.586400 °	
DWR ID	DWR_RD1001_05_s_2016_21				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_39_21_20160404_00032.jpg



Vehicle ruts on levee crown where there is minimal aggregate.

LM Start	2.31	Rating **	M	Issue No.	1
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.803877 °	38.804206 °	
			-121.575053 °	-121.574529 °	
DWR ID	DWR_RD1001_05_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Noted old saturation slumping of upper levee slope that is into the levee core (near high water line). 2011 - Erosion is into the top of the levee. This site is actually located at LM 2.5. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: NCC_3-0_R]					

No Photos

LM Start	3.56	Rating **	M	Issue No.	7
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.814919 °	38.817178 °	
			-121.556712 °	-121.552965 °	
DWR ID	DWR_RD1001_05_s_2012_7				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_39_7_20160307_00009.jpg



Poles on the landside shoulder.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	3.81	Rating **	M	Issue No.	25 (cont)
LM End	3.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.817175 °	38.817175 °
				-121.552946 °	-121.552946 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14484 DS_ID:22595 EP_NO: 1896 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate in concrete box on waterside levee toe.- cracked headwall on landside- working during field survey FIELD_STRUCT_DESC: 1 of 3: A 20-inch steel pipe of three pipes (a 30-inch and two 20-inch corrugated-metal asbestos-bonded pipe) through the levee, 2.13 feet below the crown, three vertical pumps on a wooden piling structure in the stream, walkway to the pumps, slide gate in a concrete box on the waterward side (Permit No. 1896) FS Date: 5/15/2013					

Photo 2 of 2 : UCIP_SP_2016_14484_23898.jpg



WS- slide gate in concrete box on levee toe.

LM Start	3.81	Rating **	M	Issue No.	24
LM End	3.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.817175 °	38.817175 °
				-121.552946 °	-121.552946 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14472 DS_ID:22613 EP_NO: 1896 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate in concrete box on waterside levee toe.- cracked headwall on landside- working during field survey FIELD_STRUCT_DESC: 2 of 3: Three pipes, a 32-inch and two 20-inch steel pipe through the levee, 2.13 feet below the crown, two vertical pumps on a wooden piling structure in the stream, walkway to the pumps, slide gate in a concrete box on the waterward side (Permit No. 1896) FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_14472_23891.jpg



WS- pump station, walkway, and slide gate in concrete box on levee toe

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	3.81	Rating **	M	Issue No.	24 (cont)
LM End	3.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.817175 °	38.817175 °
				-121.552946 °	-121.552946 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14472 DS_ID:22613 EP_NO: 1896 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate in concrete box on waterside levee toe.- cracked headwall on landside- working during field survey FIELD_STRUCT_DESC: 2 of 3: Three pipes, a 32-inch and two 20-inch steel pipe through the levee, 2.13 feet below the crown, two vertical pumps on a wooden piling structure in the stream, walkway to the pumps, slide gate in a concrete box on the waterward side (Permit No. 1896) FS Date: 5/15/2013					

Photo 2 of 2 : UCIP_SP_2016_14472_23890.jpg



WS- slide gate in concrete box on levee toe

LM Start	4.51	Rating **	M	Issue No.	23
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.823413 °	38.831047 °
				-121.542661 °	-121.529834 °
DWR ID	DWR_RD1001_05_s_2016_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2016 03/30/2016	Sterling York

LM Start	4.51	Rating **	M	Issue No.	22
LM End	5.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.823413 °	38.831047 °	
			-121.542660 °	-121.529834 °	
DWR ID	DWR_RD1001_05_s_2016_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Reclamation District No. 1001 Nicolaus

Waterway		Bank	Unit Miles
Unit No. 06 East Side Canal		Right	4.74

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2016 - 3/30/2016			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

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 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	0.01	Rating **	M	Issue No.	18
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.831192 °	38.831192 °
				-121.529580 °	-121.529580 °
DWR ID	DWR_RD1001_06_s_2016_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_40_18_20160404_00034.jpg



View of trees that need to be trimmed for visibility on the landside looking upstream.

LM Start	0.02	Rating **	M	Issue No.	14
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.831314 °	38.836243 °
				-121.529417 °	-121.527038 °
DWR ID	DWR_RD1001_06_f_2015_14				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_40_14_20160404_00035.jpg



Ditch at landside levee toe, view looking upstream.

LM Start	0.03	Rating **	M	Issue No.	20
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831409 °	38.849194 °
				-121.529333 °	-121.524376 °
DWR ID	DWR_RD1001_06_s_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	0.03	Rating **	M	Issue No.	21
LM End	4.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.831409 °	38.896352 °	
			-121.529333 °	-121.520361 °	
DWR ID	DWR_RD1001_06_s_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.95	Rating **	M	Issue No.	46
LM End	0.95	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.844013 °	38.844013 °	
			-121.524320 °	-121.524320 °	
DWR ID	DWR_RD1001_06_s_2012_46				
Comment Code					
TA : Tank					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_40_46_20160307_00007.jpg



A propane tank is within the easement of the levee. Spring 2013

LM Start	1.36	Rating **	M	Issue No.	6
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.850042 °	38.850042 °	
			-121.524359 °	-121.524359 °	
DWR ID	DWR_RD1001_06_s_2012_6				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_40_6_20160307_00003.jpg



Equipment at the landside toe LM 1.37.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	1.43	Rating **	M	Issue No.	3
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.850945 °	38.852445 °	
			-121.524392 °	-121.524809 °	
DWR ID	DWR_RD1001_06_s_2012_3				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_40_3_20160307_00001.jpg



View of the equipment at the landside levee toe.

LM Start	1.55	Rating **	M	Issue No.	5
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.852643 °	38.859333 °	
			-121.524871 °	-121.524891 °	
DWR ID	DWR_RD1001_06_s_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	1.72	Rating **	M	Issue No.	50
LM End	1.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.855186°	38.855186°
				-121.524895°	-121.524895°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14244 DS_ID:22617 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - visible damage to pipe on opening at inlet due to high corrosion.- video inspection recommended. FIELD_STRUCT_DESC: 36-inch corrugated-metal drainage pipe through the levee, 12.5 feet below the crown, slide gate in a 48-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel. FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_14244_23467.jpg



WS- slide gate in CMP riser on levee slope.

LM Start	1.72	Rating **	M	Issue No.	50 (cont)
LM End	1.72	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14244_23466.jpg



WS- slide gate, air vent pipe in CMP riser on levee slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	2.03	Rating **	M	Issue No.	49
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.859601 °	38.859601 °
				-121.524885 °	-121.524885 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14223 DS_ID:22616 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe burried/submerged on LS- needs cleaning of LS pipe end opening. FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 15.5 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_14223_23445.jpg



WS- slide gate in CMP riser on levee slope.

LM Start	2.03	Rating **	M	Issue No.	49 (cont)
LM End	2.03	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14223_23444.jpg



LS- concrete wing wall on levee toe

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	2.05	Rating **	M	Issue No.	8
LM End	2.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.860002 °	38.860002 °	
			-121.524873 °	-121.524873 °	
DWR ID	DWR_RD1001_06_s_2012_8				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Subsidence due to traffic across levee crown.					

Photo 1 of 1 : SP_2016_RD1001_40_8_20160307_00005.jpg



RD 1001 Unit 6 - Levee Crown - Subsidence due to vehicle traffic.

LM Start	2.07	Rating **	M	Issue No.	22
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.860262 °	38.896353 °	
			-121.524881 °	-121.520361 °	
DWR ID	DWR_RD1001_06_s_2016_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	2.29	Rating **	U	Issue No.	54
LM End	2.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.863385 °	38.863385 °
				-121.524866 °	-121.524866 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14204 DS_ID:22622 EP_NO: 12208 Repair Type: Urgent Crossing Status: Found UCIP Comments: - large pit at pipe daylight on WS berm, may be due to pipe leakage.- siphon breaker on LS shoulder not found. FIELD_STRUCT_DESC: 16-inch irrigation pipe through the levee, 3.0 feet below the crown, 16-inch low-lift pump in the channel, 36-inch corrugated-metal pipe riser on the bank, siphon breaker on the landward shoulder (Permit No. 12208, 1977) FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_14204_23427.jpg



WS- pump and pipe on river bank

LM Start	2.29	Rating **	U	Issue No.	54 (cont)
LM End	2.29	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_14204_23429.jpg



WS- large depression on levee berm

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	2.92	Rating **	C	Issue No.	17
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.872524 °	38.872524 °
				-121.524808 °	-121.524808 °
DWR ID	DWR_RD1001_06_s_2015_17				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	3.03	Rating **	M	Issue No.	57
LM End	3.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.874217 °	38.874217 °
				-121.524807 °	-121.524807 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41674 DS_ID:22629 EP_NO: 2768 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly.- Pipe capped on waterside.- a concrete pipe support saddle found on waterside levee slope.- also, an abandoned pipe found on landside levee slope. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 1.3 feet below the crown, pump on the waterward toe removed, gate valve on the waterward slope removed, the pipe is exposed on both slopes and discharges into a culvert on the landward toe across and under Pacific Avenue (Permit No. 2768, 1958) FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_41674_23382.jpg



WS- an abandoned pipe on levee slope

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	3.03	Rating **	M	Issue No.	57 (cont)
LM End	3.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.874217 °	38.874217 °
				-121.524807 °	-121.524807 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41674 DS_ID:22629 EP_NO: 2768 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly.- Pipe capped on waterside.- a concrete pipe support saddle found on waterside levee slope.- also, an abandoned pipe found on landside levee slope. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 1.3 feet below the crown, pump on the waterward toe removed, gate valve on the waterward slope removed, the pipe is exposed on both slopes and discharges into a culvert on the landward toe across and under Pacific Avenue (Permit No. 2768, 1958) FS Date: 5/15/2013					

Photo 2 of 2 : UCIP_SP_2016_41674_23381.jpg



WS- an abandoned end capped pipe on levee slope

LM Start	3.28	Rating **	M	Issue No.	53
LM End	3.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.877706 °	38.877706 °
				-121.524787 °	-121.524787 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14167 DS_ID:22630 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe opens in irrigation ditch on landside.- vegetation cleaning on LS pipe opening. FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.0 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_14167_23396.jpg



LS- vegetation on CMP end.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	3.28	Rating **	M	Issue No.	53 (cont)
LM End	3.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.877706°	38.877706°
				-121.524787°	-121.524787°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14167 DS_ID:22630 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe opens in irrigation ditch on landside.- vegetation cleaning on LS pipe opening. FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.0 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel FS Date: 5/15/2013					

Photo 2 of 2 : UCIP_SP_2016_14167_23395.jpg



LS- CMP opens in irrigation ditch.

LM Start	3.43	Rating **	M	Issue No.	52
LM End	3.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.879960°	38.879960°
				-121.524780°	-121.524780°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:13523 DS_ID:22619 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs filling/plugging gap between 4-inch and 10- inch pipes. FIELD_STRUCT_DESC: 1 of 2: A capped 4-inch steel pipe sleeved through a 10-inch steel pipe, located just off the top of the slope on waterside of the levee. FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_13523_22121.jpg



WS- a 4-inch steel pipe sleeved through 10-inch steel pipe.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	3.43	Rating **	M	Issue No.	52 (cont)
LM End	3.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.879960 °	38.879960 °
				-121.524780 °	-121.524780 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:13523 DS_ID:22619 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs filling/plugging gap between 4-inch and 10-inch pipes. FIELD_STRUCT_DESC: 1 of 2: A capped 4-inch steel pipe sleeved through a 10-inch steel pipe, located just off the top of the slope on waterside of the levee. FS Date: 5/15/2013					

Photo 2 of 2 : UCIP_SP_2016_13523_22120.jpg



WS- gap between two pipes needs to be filled.

LM Start	3.59	Rating **	M	Issue No.	51
LM End	3.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.882247 °	38.882247 °
				-121.524762 °	-121.524762 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:13509 DS_ID:22631 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only a small section of head wall visible, almost buried. FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.0 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_13509_22086.jpg



WS- fixed slide gate in CMP riser on levee slope.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	3.59	Rating **	M	Issue No.	51 (cont)
LM End	3.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.882247 °	38.882247 °
				-121.524762 °	-121.524762 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:13509 DS_ID:22631 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only a small section of head wall visible, almost buried. FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.0 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel FS Date: 5/15/2013					

Photo 2 of 2 : UCIP_SP_2016_13509_22085.jpg



LS- almost buried concrete headwall. Only upper portion of the wall is visible.

LM Start	3.70	Rating **	M	Issue No.	48
LM End	3.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.883804 °	38.883804 °
				-121.524766 °	-121.524766 °
DWR ID	DWR_RD1001_06_s_2012_48				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD1001_40_48_20160307_00008.jpg



RD 1001 Unit 6 - L/S Slope - Pole

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	3.92	Rating **	U	Issue No.	56
LM End	3.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.887003 °	38.887003 °
				-121.524746 °	-121.524746 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43048 DS_ID:22632 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - mud/soil debris on LS pipe end.- highly corroded pipe in outlet.- may require video inspection or pressure test. FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.2 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_43048_22046.jpg



WS- slide gate, air vent in CMP riser on levee slope

LM Start	3.92	Rating **	U	Issue No.	56 (cont)
LM End	3.92	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_43048_22045.jpg



LS- CMP in concrete head/wing wall outlet

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	4.04	Rating **	M	Issue No.	7
LM End	4.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.888821 °	38.888821 °	
			-121.524733 °	-121.524733 °	
DWR ID	DWR_RD1001_06_s_2012_7				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Levee crown subsided due to vehicle traffic across crown.					

Photo 1 of 1 : SP_2016_RD1001_40_7_20160307_00004.jpg



RD 1001 Unit 6 - Levee Crown - Subsidence due to vehicle traffic.

LM Start	4.33	Rating **	M	Issue No.	19
LM End	4.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.893045 °	38.893045 °	
			-121.524701 °	-121.524701 °	
DWR ID	DWR_RD1001_06_f_2013_19				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Levee crown subsided due to vehicle traffic across crown.					

Photo 1 of 1 : SP_2016_RD1001_40_19_20160307_00006.jpg



This photo was taken from the levee crown facing north looking at subsidence due to vehicle traffic across crown. Fall 2013.

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

Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2016 03/30/2016	Sterling York

LM Start	4.36	Rating **	M	Issue No.	55
LM End	4.36	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.893448 °	38.893448 °
				-121.524719 °	-121.524719 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41724 DS_ID:22618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - damaged head/wing wall in inlet structure. FIELD_STRUCT_DESC: 30-inch corrugated-metal gravity irrigation pipe through the levee, 15.9 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, the pipe discharges into a large irrigation ditch on the west side of Pacific Avenue (Joplin and South Sutter Water District) FS Date: 5/15/2013					

Photo 1 of 2 : UCIP_SP_2016_41724_22034.jpg



WS- slide gate in CMP riser.

LM Start	4.36	Rating **	M	Issue No.	55 (cont)
LM End	4.36	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_41724_22033.jpg



WS- inlet wing wall with trashrack

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